Panreac

General Catalogue 2009/10

Analytical Reagents & Fine Chemicals

Panreac

Dear Reader, you have here the Panreac Catalogue. This book is the result of the work of the Panreac Team and we can say that it is the fruit of our lengthy experience.

But here at Panreac we are not satisfied with a brilliant history, but in addition, with our work we have placed the Company in a very competitive position for the future.

Panreac has been evolving its organisation and the profile of the team so as to be able to respond to the times ahead of us. In the last few months we have fine tuned a new Marketing organisation that is already reaping rewards, also in innovation. The commercial organisation has made a significant effort along the road to systemising its tasks. In Italy, the young Panreac-Nova Chimica family has succeeded with enthusiasm in providing for the entire country.

We have a more agile Service and Planning Department (as a result of the reorganisation and introduction of the new SAP system) and all of this to look after the needs of our customers with the maximum efficiency and thoroughness. The recently opened Montcada i Reixac warehouse for finished products is another additional support tool so as to consolidate the sustained growth of Panreac, both in Spain and equally in Italy and France, in addition to the rest of the European and World markets.

Finally, we have to highlight the fact that the amazing progress of Panreac would not have been possible without the enthusiasm of all of those who make up the Panreac Team and whose daily efforts contribute towards making Panreac a reference in the market of Reagents.

Mr. Joan Roget,
CEO
Panreac Química S.A.U.

Summary

Company and Services 3
Product Information
- Catalogue Number 6
- Label 7
- Technical Data Sheet and Certificate of analysis 8
- MSDS 8
- Catalogue Guide: example 9
- Packaging symbols and abbreviations 9

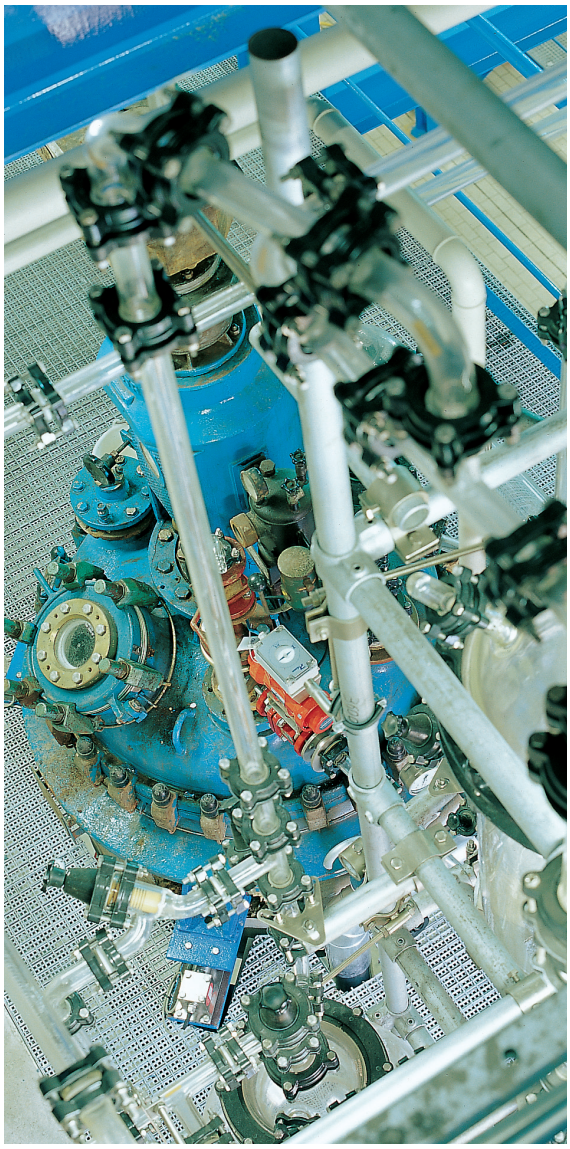
Range of products by qualities 10
General sales conditions 14
New products and changes 16
Panreac Reagents 19
Panreac Síntesis - Custom and Contract Synthesis 491
Cultimed. Microbiology 495
Index 531
- CAS No. 532
- Qualities - product code 543
- Classification in specific fields of application 557

We are targeting the service to our customers' requirements

Panreac Química S.A.U's commercial policy is directed at allowing the end user to get the best service from our products via our distribution network. This means that we are capable of supplying any laboratory in any location around the world.

Our priority is to continue improving the logistics flow and to achieve this we have added a new logistics centre to our modern factory built in 2000. This centre is equipped with the latest applied materials handling technology allowing us to ensure the highest degree of availability for our distributors.

We manufacture to our customers' requirements



Our status as a manufacturer with over 65 years experience allows us to offer our customers the widest range of laboratory reagents and high quality industrial chemical products.

Our experience and knowledge in production, synthesis and purification of thousands of chemical products has allowed us to become specialists in the manufacture of inorganic salts, high purity acids, organic chemical products, high purity solvents plus other products for specific applications, ensuring that our customers meet their required specifications in demanding international markets.

We are committed to meeting our customers' needs with maximum quality

Our quality commitment seeks to satisfy our customers' requirements within a framework of employees' health and safety, respect for the environment, plus managing and guaranteeing the quality of our processes, services and products.

Our Integrated Management System which has been completely implemented throughout every activity in our company is based on meeting official standards:

OHSAS 18001:2007 on occupational health and safety management systems.
UNE-EN-ISO 14001:2004 on environmental management systems.
UNE-EN-ISO 9001:2000 on quality management.

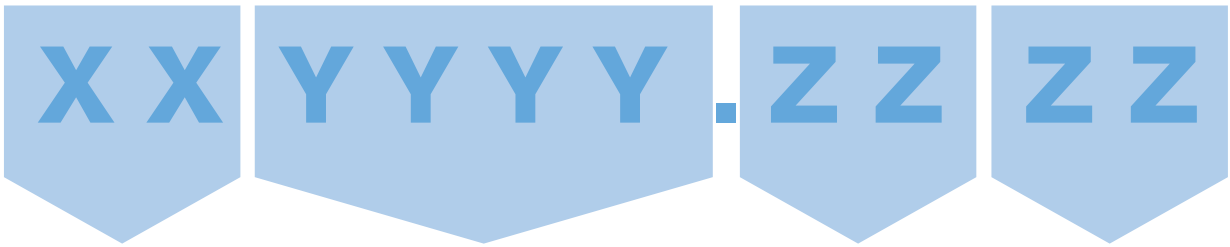
Our laboratories check specifications and compliance with raw material and finished product standards by applying general analysis techniques, trace metal impurity checks, chromatography to check solvent content, impurities and pesticide residues, in addition to microbiological tests to inspect raw materials and culture methods.

We wish to assure our customers that we are working in close cooperation with them in a global commitment to respect the environment and quality assurance.

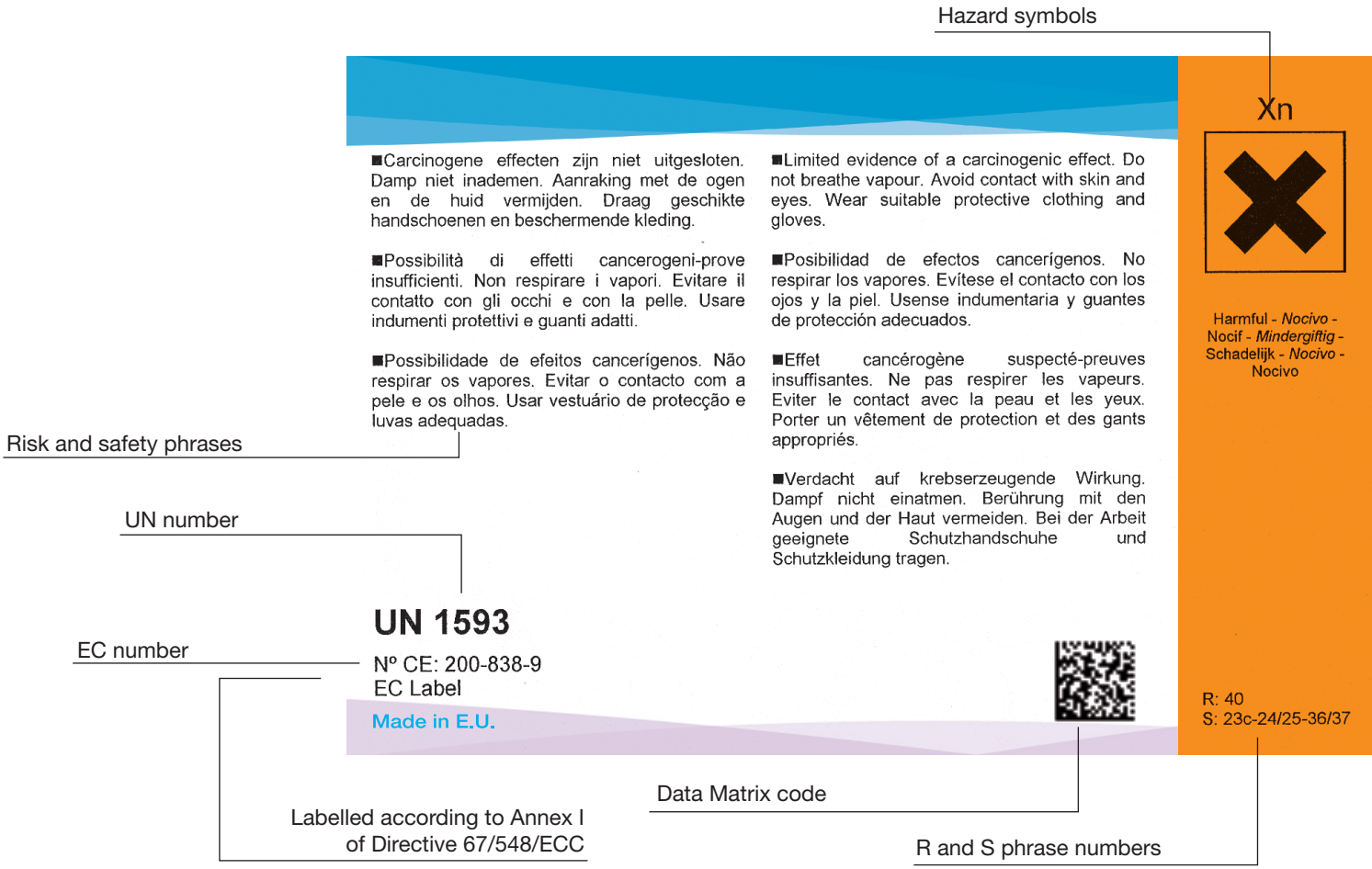
Product Information

Catalogue Number

Our Product Code shown in our catalogue in addition to labels, certificates, technical data sheets and safety sheets provide a unique definition for the substance with a specific quality and a predetermined packaging material.

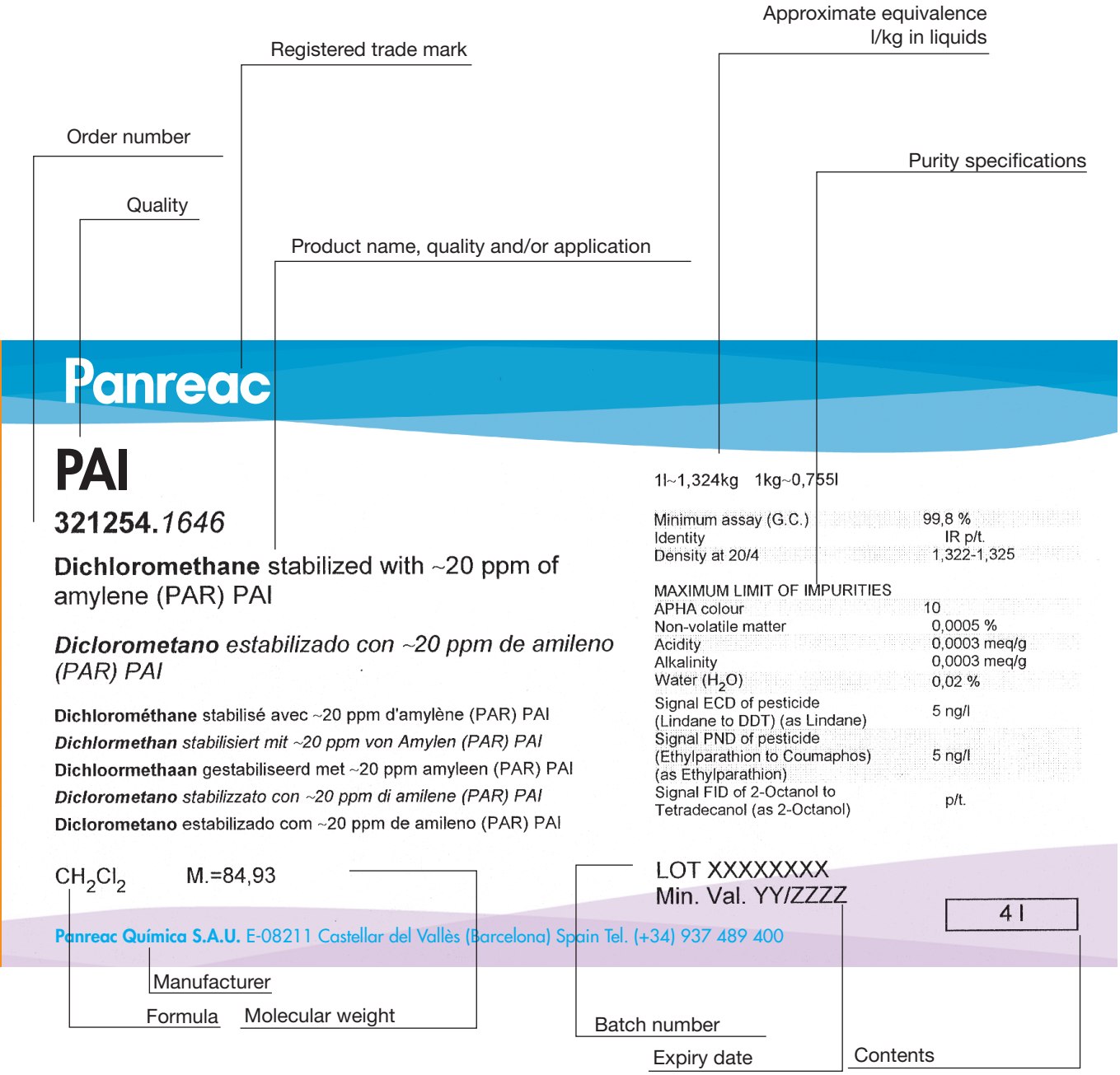


Quality	Substance	Packaging Material	Size
12: PA	1091: Methanol	16: Glass	03: 1ml/g
13: PA-ACS-ISO	1881: Acetonitrile	12: Plastic	04: 5 ml/g
15: PS	1007: Acetone	06: Steel	08: 100 ml/g
...	...	...	...



Label

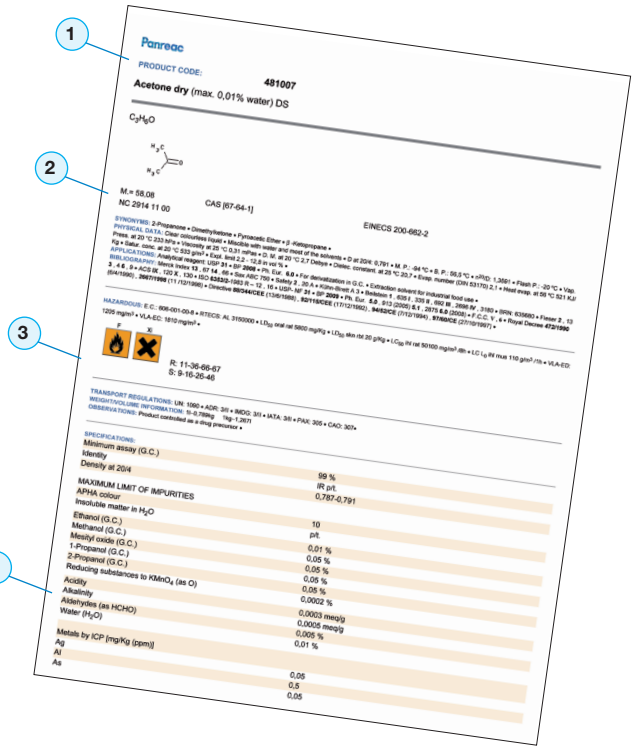
Panreac, as a manufacturer of reagents and chemical products, has a modern, flexible system for producing labels in accordance with the requirements established in current European Union Directives concerned with marking and labelling of chemical products. The computer program supporting the label edition system enables the name of the products and the text of the R and S phrases to be printed in up to 7 languages, depending on the size of the label.

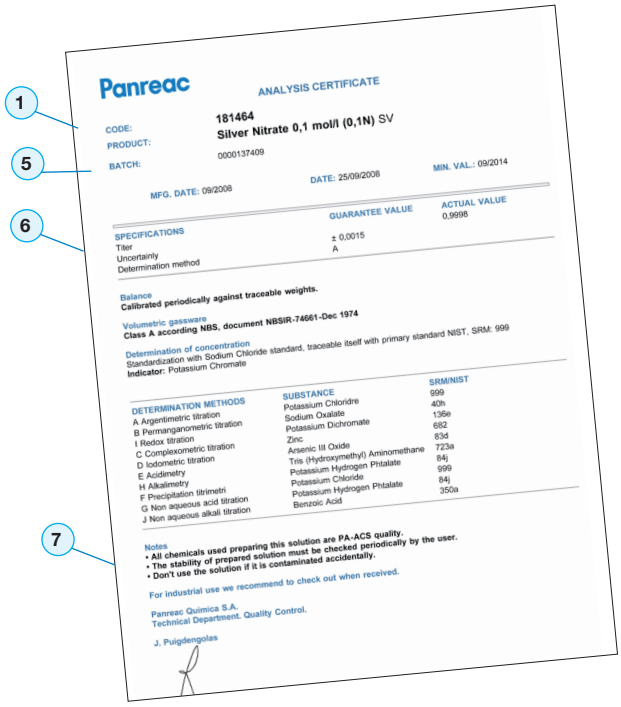


Technical Data Sheet and Certificate of analysis

The technical data sheets for our products are shown on our website. Here you will also find Panreac's quality certificate and batch number for the product you require.

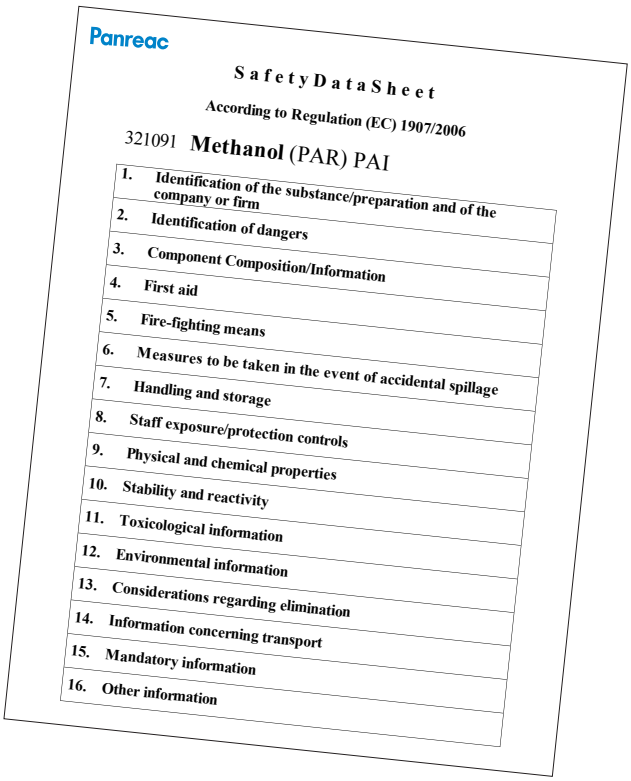
1.- Product Code (quality + substance). Name of product, quality and standards met
2.- General information about the substance. This physical data, applications and notes are general references stated in the bibliography
3.- Information on hazard level
4.- Product specifications
5.- Batch number, date of manufacture, certificate's date of issue and expiry date information
6.- Analysis information, guaranteed value compared with actual value information
7.- Recommendations where applicable and sign off by the Technical Department





MSDS

Our website also shows the fully updated Material Safety Data Sheets in accordance with current standards indicating the substance and required quality under the following information headers:



Catalogue Guide

The catalogue contains all information and specifications for each article in our product range so you can place your orders

1.- Product name and quality
2.- Molecular formula
3.- Molecular weight
4.- Registry numbers: CAS, EINECS, NC, UN
5.- Transport regulations: IMDG, ADR, IATA, PAX, CAO
6.- Harzard Symbols, R and S phrase numbers
7.- EC number
8.- Equivalence kg/l
9.- Specifications
10.- Order code / Package size / Packaging material / Units per standard box / Price per unit / Price per unit (box)

1 **Acetone dry (max. 0,01% water) DS**

2 CH_3COCH_3

3 **M: 58,08 CAS: 67-64-1 EINECS: 200-662-2 NC: 2914 11 00 UN: 1090**

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

5 4

6 F Xi **R: 11-36-66-67 S: 9-16-26-46 CE: 606-001-00-8** 7

8 **1l~0,789kg 1kg~1,267l**

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,787-0,791

9 **MAXIMUM LIMIT OF IMPURITIES**

APHA colour 10
Insoluble matter in H_2O ..... p/t.
Ethanol (G.C.) ..... 0,01 %
Methanol (G.C.) ..... 0,05 %
Mesityl oxide (G.C.) ..... 0,05 %
1-Propanol (G.C.) ..... 0,05 %
2-Propanol (G.C.) ..... 0,05 %
Reducing substances to $KMnO_4$ (as O) ..... 0,0002 %
Acidity ..... 0,0003 meq/g
Alkalinity ..... 0,0005 meq/g
Aldehydes (as HCHO) ..... 0,005 %
Water (H_2O) ..... 0,01 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

10

Order code	Package	Units/Box st.
481007.1611	1000 ml	6

Packaging symbols and abbreviations

- Glass bottle
- Glass bottle coated with PE or PVC
- Glass bottle with outer can
- Glass bottle with outer packaging
- Polyethylene bottle
- Polyethylene bottle with outer can
- Polyethylene canister
- Carton drum with inner polyethylene bag
- Carton box with inner polyethylene bag
- Polyethylene bottle with dropper
- Glass tube with stopper and screw top
- Glass or plastic ampoule
- Crimp top vial with septum
- Fluorinated polymer bottle with outer polystyrene box
- Box
- Aluminium bottle
- Aluminium bottle with outer packaging
- Tin-plated can
- Polyethylene drum with inner polyethylene bag
- Steel-plated drum
- Drum with polyethylene lining inside and metal outside
- Polyethylene container with removable tap
- Expanded polystyrene box
- Polypropylene bucket with handle
- Stainless steel drum
- Co-extrusion jerrycan (multilayer)
- Co-extrusion bottle (multilayer)

ACS	American Chemical Society
ADR	Classification for carriage by road
BP	British Pharmacopoeia
CAO	Instructions for aerial cargo transport
CAS	Chemicals Abstracts Registry No.
CE	EC No.
C.I.	Colour Index No.
DAB	Deutsches Arzneibuch
DAC	Deutscher Arzneimittel-Codex
EINECS	European Inventory of Existing Chemical Substances No.
F.C.C.	Food Chemicals Codex
g	Gram(s)
IATA	Classification of aerial transport
IMDG	Classification of sea transport
ISO	International Standard Organization
JP	Japanese Pharmacopoeia
kg	Kilogram(s)
l	Litre(s)
ml	Mililitre(s)
NC	Combined Nomenclature
w/w	weight/weight
w/v	weight/volume
PAX	Instructions for aerial passenger transport
Ph. Eur.	European Pharmacopoeia
Ph. Fr.	French Pharmacopoeia
Ph. Helv.	Suiss Pharmacopoeia
ppm	parts per million
RFE	Spanish Pharmacopoeia
UN	UN number for hazardous substances
USP-NF	The United States Pharmacopeia - National Formulary
v/v	volume/volume

Range of Products

Laboratory application products

Analytical Reagents and Chemicals for Laboratory

Analytical Reagents
Reagents for the analysis of metallic traces
Reagents and solvents for instrumental analysis
Reagents for volumetric analysis
Reference standards
Reagents and solvents for general applications
Reagents and solvents for specific applications
Reagents and solvents for organic synthesis

Products for Microbiology

Dehydrated Culture Media
Prepared Media
Contact Plates
Other products for Microbiology

Packaging

Bottles for solids and liquids
Aluminium, plastic, metal and carton containers
Other products

Products for Industrial Application

Products for Pharmaceutical Industry

Products and solutions that meet the purity requirements for products to be used in the pharmaceutical industry according to:

- European Pharmacopoeia (Ph. Eur.)
- United States Pharmacopeia (USP)
- British Pharmacopoeia (BP)

Food Industry Products

Food additives that meet the purity requirements for products to be used in the food industry according to:

- European Directives
- Food Chemicals Codex (FCC)

Organic Synthesis

Our experience as manufacturers of organic fine chemicals, the knowledge of our specialized staff in organic synthesis and a modern multipurpose plant provides the perfect mix for being your European partner in contract and custom synthesis, providing quick and clear answers to your requirements in a competitive way.

Other products for Industrial Application

Electronic Grade Chemicals
Other custom Products

Laboratory application products

The different PANREAC product groups are identified by their qualities. These are quickly recognised by the first two digits in the article number.

A diagram of these qualities is shown below. For more information check the items in the catalogue or request brochures summarising the different qualities. These are also available from our website.

Analytical Reagents

12 PA (for analysis)

13 PA-ACS-ISO / PA-ACS / PA-ISO

Reagents for the analysis of metallic traces

38 ANALPUR (AA)

47 PA (low content in Hg)

71 HIPERPUR – PLUS (< 100 ppt)

72 HIPERPUR (< 100 ppb)

Reagents and solvents for instrumental analysis

22 PAI (HPLC gradient)

26 PAI (HPLC preparative)

32 PAI (PAR)

33 PAI (IR)

35 CG (derivatization reagents for gas chromatography)

36 PAI (UV-IR, HPLC, HPLC isocratic, GPC)

70 LC-MS

74 PAI - NMR

Reagents for volumetric analysis

18 SV (volumetric solutions ready-to-use)

24 EQP (reference substances for standardization of titrated solutions)

27 ST (buffer solutions)

28 RV (indicator solutions) / AQUAMETRIC

29 STc (concentrated buffer solutions)

30 SVc (concentrated volumetric solutions)

Reference standards

31 AA

39 RS

34 CRS

76, 77 ICP

78 IC

Reagents and solvents for general applications

14 PRS

21 QP

Reagents and solvents for specific applications

17 RE (Pepsine, Kjeldahl catalyst...)

23 DIDACTIC (Products for chemistry practices at schools)

25 DC (Clinical Diagnosis. Reagents for histology)

37 PB (Reagents for biochemistry)

50 DERQUIM (Detergents for washing laboratory material)

52 pH Indicator papers

62 Vinikit (Kits and reagents for analysis of wines)

Reagents and solvents for organic synthesis

15,16 PS (Solvents, reagents and intermediates for organic synthesis)

48 DS (Dry solvents)

73 BS (Solvents and reagents for biosynthesis)

Culture Media and products for Microbiology CULTIMED

40 Ingredients

41 Dehydrated culture media and supplements

42 Prepared plates 55 mm and filters

43 Contact plates

44 Prepared plates 55 mm

45 Prepared plates 90 mm

46 Prepared tubes

49 Prepared bottles

Packaging

Bottles for solids and liquids

Aluminium, plastic, metal and carton containers

Products for Industrial Application

Products for Pharmaceutical Industry

14 PRS-CODEX

19 CODEX

Food Industry Products

20 ADITIO

Organic Synthesis

15,16 PS (Solvents, reagents and intermediates for organic synthesis)

48 DS (Dry solvents)

73 BS (Solvents and reagents for biosynthesis)

Electronic Grade Chemicals

86 EG (MOS) (Solvents and acids used to manufacture integrated circuits. Metal Oxide Semiconductor)

87 EG (VLSI) (Solvents and acids used to manufacture integrated circuits. Very Large Scale Integrated Circuits)

General Sales Conditions

1. Previous considerations.

The buyer recognizes and accepts the content of the present general sales conditions, one copy of which they have in their possession, as supply regulators of Panreac Química, S.A.U. (hereafter denominated "Panreac"). Likewise it is understood that the buyer knows and accepts the present general sales conditions as regulating successive orders placed with Panreac.

Any modification to the present conditions will only have validity if so convened in writing and by common agreement between Panreac and the buyer, no clause or general sales condition included by the buyer in their documentation or correspondence being considered valid.
In the case that any or several of the stipulations of the present general sales conditions or that any others that modify or substitute them are annulled or become unable to be executed due to legal motives, the validity of the other stipulations will not be affected, and under all circumstances remain in force.

In the case of legal or extra judicial insolvency, declaration of bankruptcy or temporary receivership of the buyer as well as cases of total or partial non-compliance of the agreed terms, Panreac reserves the right to terminate the contract without need for previous notice and with the possibility of claiming the corresponding indemnity for damages and prejudicial consequences.

2. Orders and supplies.

Orders placed with Panreac are not binding unless they contain the following details:

- Complete code, size of the container (according to current tariffs), quantity of product or if applicable, number of units to acquire.
- Order number.
- Product address and delivery system.
- Invoice delivery address.
- Payment conditions agreed and direct bank debit.

On request, Panreac can supply products or qualities in uncatalogued measures, and uncatalogued products or qualities, whenever previously negotiated and agreed on by Panreac.

3. Order acceptance.

Acceptance of the order must necessarily be made expressly and in writing. However, the order will be treated as accepted by Panreac if it proceeds to process the corresponding application. In any case it will be understood that the buyer recognizes and accepts the content of the present general sales conditions with the order fulfilment, likewise declaring that the buyer has been able to revise it with sufficient priority to give their total and complete acceptance.

If the buyer does not provide all the information indicated in Condition 2 above and which necessarily must appear on the order, Panreac reserves the right not to accept it and/or ask the buyer for the necessary data for correct processing. In this last case, if in the term of 10 days the additional required information has not been provided, Panreac may accept the order, processing the corresponding order according to available data, or reject it, remaining in both cases exempt of all responsibility. Once the order has been processed and accepted expressly or tacitly according to the indicated terms, this will be absolute and legally binding for buyer and Panreac, respectively.

4. Prices and Payment conditions.

As a general rule, unless otherwise stated, the prices established in the catalogues, price lists and current offers are net retail prices, including standard containers and packaging. The cost of non-standard containers or packaging will be charged separately. Prices, offers and price lists may vary. They may be subject to modification consequent to costs of raw materials, production process and/or force majeure, and should therefore be considered in any case to be without commitment. All taxes will be chargeable to the Purchaser, in particular Value Added Tax, import and export duties, any charges or rates applicable to the sale, despatch and entry of Products, and Special Taxes, and likewise any costs or charges unless expressly accepted by Panreac pursuant to these Terms.

Panreac and the Purchaser will agree the payment terms for each order. Products will be payable in cash upon delivery, except in case of special arrangement.

5. Delivery.

The products are made available to the buyer ExWorks (Incoterms 2000) in the Panreac warehouses, at which time they are deemed delivered to all the effects and purposes.

Export shipments are made from Barcelona, except when this is not possible due to causes outside Panreac's control.
Deliveries are made freight forward by the means the buyer indicates. If no means has been specified, Panreac can choose the system or means of transport it considers the most ideal.

If freight is paid by Panreac, it may use the transport company of its choice. Panreac will not be held responsible for delays due to processing prescribed export licences or for restrictions to export, whatever its cause or origin. The products that obligatorily require license or export control or that are subject to voluntary controls will be identified as such in the catalogues. In any case, the buyer will be responsible for obtaining licences, permission, etc. necessary for product export and import, exempting Panreac of all duties along with any responsibility whatsoever where the corresponding licenses, permission, etc. cannot be obtained.

6. Domain reserve.

Panreac reserves the vested property of the products delivered to the buyer while the latter has not credited the entirety of the amount of the corresponding invoice.

Where the buyer has proceeded to resell or alter the products with respect to Panreac attempting to exercise their right of domain reserve through payment pending, Panreac may freely seize other goods used by the same buyer up to the corresponding amount owing in payment.

7. Insurance.

In freight forward deliveries within Spanish territory, insurance must be contracted and is charged to the buyer. In deliveries to other countries, the buyer must take out insurance, except where expressly requesting Panreac in writing to include insurance in the invoice according to sale conditions agreed in each order as per Incoterms 2000.

8. Containers and Packaging.

The containers and packaging used by Panreac are the most adequate for each product, complying in each case with current legislation, including dangerous goods transport homologation. However, it is the responsibility of the buyer to check whether the containers comply to local product storage conditions along with any another local regulations with the object of ensuring their compliance to which Panreac is committed. If different, the buyer will expressly inform Panreac in the order, exonerating Panreac from this moment and until then of any responsibility for the said concept where the buyer makes no specific mention. Panreac agrees to inform the carrier on the fragility and/or dangerous nature of the goods delivered, both through documentation and through delivery and packaging labels. The buyer, on their side, is

responsible for inspecting the boxes on reception before sealing them with the conformity of the transport agency.

9. Inspected products.

• Ethanols: EC Regulations on special taxes 92/12/CEE-92/38/CEE-92/84/CEE . Spanish Law 38/1992–40/1995,Royal Decree RD 1165/1995, Regulation on special taxes
• Psychotropics: International Convention on Psychotropic Substances, Viena 21,02,71. Spanish Royal Decree RD 2829/1977, on Regulation of Psychotropic Products.
• Discouraging the diversion of certain substances to the illicit manufacture of precursor drugs and psychotropic substances: CE 273/2004, 111/2005 and 1277/2005. Spanish Law 3/1996 – RD 865/1997 & 293/2004
• Ionizers: Directive 96/29/EURATOM, Spanish Legislation RD 783/2001, on Health Protection against Ionizing Radiations.
• Dual Use Substances: Regulation (EC) no. 1334/2000, Regulation (EC) no. 1504/2004 & RD 1782/2004
• Export and import of dangerous chemicals: Regulation (EC) 304/2003, 775/2004 & 777/2006
• Substances that Deplete the Ozone Layer: Regulation (EC) no. 2037/2000

Note: All these dispositions are for Spain and/or the EC, please consult modifications, corrections and/or extensions. We recommend to consult the equivalent regulations in purchaser's country.

10. Returns and Claims.

The buyer is obliged to check that the products supplied conform to the contracted characteristics and are adequate to the aims to which they will be applied. The products are considered accepted and agreed upon by the buyer regarding quality and quantity except when, within a thirty-day maximum term from reception, the buyer notifies in writing of their non-acceptance, indicating the cause.

Panreac will not accept product returns except when
i) The products justifiably do not correspond to the characteristics contracted. In this case, in addition to the justification and technical argument, the buyer must indicate the manufacturing batch number that appears on the label and must send Panreac one of the sealed containers from the same box together with the claim object.
ii) The return is previously agreed in writing with the buyer, specifying those aspects regarding number of units, price payable, demerit for reconditioning and all other details considered necessary. In this case, freight will always be at the buyer's expense.
Once the products object of return have been studied and checked by Panreac, the latter will remit a detailed technical answer to the buyer, accepting or rejecting the claim presented. If accepting it, the products will be replaced. If not, the parties agree to subject the question to the official competent body in the materia, chosen by Panreac to carry out an alternative analysis and/or act as mediator. The parts agree that this resolution is of a binding nature, obligating compliance. The costs will be paid by the party whose claim has not been accepted. In the case of partial acceptance, the costs are split equally.
Containers and packaging may not be an object of return in any case.

11. Use-Responsibilities.

Panreac guarantees that their products are manufactured for analytical, scientific, didactic and industrial uses and always by qualified technicians in accordance with the uses to which they are destined. The purity specifications of the products can be modified without previous warning to the buyer. The specifications appearing on the container labels are binding for both parties.

Panreac is not responsible for inadequate or negligent use of the products by the buyer (including non-observance of the recommendations included in these conditions) nor of the non-observance of the safety instructions printed on each label, along with the placing of the products within reach of children or minors. For applications not strictly within analytic laboratories, Panreac expressly recommends that they are consulted in each case to advise on the most ideal quality to this end, and decline all responsibility in the case of this recommendation not being followed.

Panreac is not responsible for damage that can be caused during transport and unloading of products.
According to the Spanish Law 31/95 of Occupational Hazard Prevention and their regulations or the equivalent in each country of destination, the buyer must evaluate, instruct and inform their employees about the identified risks on the handling of chemical products, and provide the collective or individual and adequate protection equipments and establish the necessary patterns on carefulness of health indicated for each case.

12. Recommendations.

Panreac recommends that the buyer consult the maximum impurity limit, the analysis type and any other specification appearing on the product labels and, if possible, confirm data fundamental for the use to which the product is destined, so that, without prejudice to catalogue indications or price lists, the buyer must verify for themselves whether the products are adequate and answer the needs of the buyer in each case.

Panreac recommends that the buyer consult the legislation applicable at all times on material handling, storage and dangerous goods transport, along with incompatibilities between products that can react violently together.
In this area, the current regulations are:

• Spanish Law - Royal Decree 379/2001 (Ministry of Sciences & Technology) on chemical product storage.
• European Agreement on the International Transport of Dangerous Goods by Road/Rail, (ADR/RID).
• International Maritime Code on Dangerous Goods, IMDG.
• Regulations on Dangerous Goods by the International Air Transport Association, IATA.
• Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

Note: All these dispositions are for Spain and/or the EC, please consult modifications, corrections and/or extensions. We recommend to consult the equivalent regulations in purchaser's country .

Panreac will answer all queries referring to the questions related to the current legislation with the object that the buyer has all necessary information and/or documentation available for correct product use. Panreac can also indicate the manner to obtain the entire texts of the regulations in question.

13. Force Majeure.

Panreac will in no case be responsible for delay in product delivery when this is caused by Force Majeure or when the delay is not imputable solely to Panreac. In purely informative terms, Force Majeure is considered to be fires, explosions, lightening, sudden incapacity to obtain raw materials, manpower, etc.

14. Litigation.

In cases of litigation on the compliance of specifications and quality characteristics, the regulations and verification methods of Panreac will prevail. For the resolution of any legal question derived from the present general sales conditions, the parties will submit to the Courts of the city of Barcelona (Spain), with express waiver to any other jurisdiction that might correspond to them. The applicable legislation will be Spanish legislation with express exclusion of any another that could be applied.

New Products

New Products. Marked with N

CODE	DESCRIPTION	PACKAGE
701881	Acetonitrile (LC-MS) PAI	1000 ml, 2,5 l
136423	Carbon Tetrachloride (ACS VIII, Reag. Ph. Eur.) (B.D.N.) PA-ACS-ISO	1000 ml, 2,5 l
146423	Carbon Tetrachloride (B.D.N.) PRS	1000 ml, 2,5 l
191937	Di-n-Butyl Phthalate (RFE, BP, Ph. Eur., JP) CODEX	1000 ml
374229	Guanidinium Chloride PB	250 g, 1000 g
701091	Methanol (LC-MS) PAI	1000 ml, 2,5 l
156416	2-Methyltetrahydrofuran stabilized with ~300 ppm of BHT PS	1000 ml
176415	Pepsin 1:10.000 NF Plus RE	1000 g
176408	Liquid Pepsin RE	5 l
142438	Polyethylene Glycol 4000 flakes (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX	1000 g, 5 kg
206401	Potassium Nitrate with anticaking (E-252, F.C.C.) ADITIO	25 kg
176418	Reagent of heavy metals A RE	250 ml
176419	Reagent of heavy metals B RE	60 ml
494855	Rose Bengal Chloramphenicol Agar (Prepared Bottles) CULTIMED	10x100 ml
146421	1,1,1-Trichloroethane (B.D.N.) PRS	1000 ml, 2,5 l
136422	1,1,2-Trichlorotrifluoroethane (ACS IX, Reag. USP, Ph. Eur.) (B.D.N.) PA-ACS	1000 ml, 2,5 l
701074	Water (LC-MS) PAI	1000 ml, 2,5 l

Standards for ICP dissolved in oil:

766428	Barium standard dissolved in oil Ba=1000±5 µg/g ICP	50 g
766427	Calcium standard dissolved in oil Ca=1000±5 µg/g ICP	50 g
766429	Chromium standard dissolved in oil Cr=1000±5 µg/g ICP	50 g
766430	Cobalt standard dissolved in oil Co=1000±5 µg/g ICP	50 g
766431	Copper standard dissolved in oil Cu=1000±5 µg/g ICP	50 g
766433	Iron standard dissolved in oil Fe=1000±5 µg/g ICP	50 g
766434	Magnesium standard dissolved in oil Mg=1000±5 µg/g ICP	50 g
766436	Lead standard dissolved in oil Pb=1000±5 µg/g ICP	50 g
766435	Nickel standard dissolved in oil Ni=1000±5 µg/g ICP	50 g
766432	Phosphorus standard dissolved in oil P=1000±5 µg/g ICP	50 g
766437	Potassium standard dissolved in oil K=1000±5 µg/g ICP	50 g
766438	Sodium standard dissolved in oil Na=1000±5 µg/g ICP	50 g
766440	Sulphur standard dissolved in oil S=1000±5 µg/g ICP	50 g
766439	Zinc standard dissolved in oil Zn=1000±5 µg/g ICP	50 g

CUSTOM SYNTHESIS NEW PRODUCTS

CODE	DESCRIPTION
15C708	S-2-Aminobutyramide Hydrochloride
15C422	D,L-2-Aminosuberic Acid
15C706	(R)-2-Aminosuberic Acid
15C413	(S)-2-Aminosuberic Acid
15C701	(S)-Boc-2-Aminosuberic Acid
15C702	(S)-Fmoc-2-Aminosuberic Acid
15C703	Fmoc-L-2-Aminosuberic Acid, 8-tert-Butyl Ester
15C689	(R)- 2-Amino-1,1,2-Triphenylethanol
15C688	(S)- 2-Amino-1,1,2-Triphenylethanol
15C696	(R)-(3-Benzenesulfonyl-1-Phenylallyl)-Carbamic Acid tert-Butyl Ester
15C695	(S)-(3-Benzenesulfonyl-1-Phenylallyl)-Carbamic Acid tert-Butyl Ester
15C697	(R) tert-Butoxycarbonylamino-(2,4,6-Trimethylphenyl)-Acetic Acid
15C698	(S) tert-Butoxycarbonylamino-(2,4,6-Trimethylphenyl)-Acetic Acid
15C517	(1R,2R)-Diaminocyclohexane, ≤0,1% cis, ee ≥ 99,8%
15C671	(1R,2R)-Diaminocyclohexane, ≤0,5% cis, ee ≥ 99%
15C385	(1R,2R)-Diaminocyclohexane, ≤2% cis, ee ≥ 96%
15C516	(1S,2S)-Diaminocyclohexane, ≤0,1% cis, ee ≥ 99,8%
15C668	(1S,2S)-Diaminocyclohexane, ≤0,5% cis, ee ≥ 99%
15C384	(1S,2S)-Diaminocyclohexane, ≤2% cis, ee ≥ 96%
15C693	(2R)-3,6-Dihydro-2H-Pyridine-1,2-Dicarboxylic Acid 1-tert-Butyl Ester
15C694	(2S)-3,6-Dihydro-2H-Pyridine-1,2-Dicarboxylic Acid 1-tert-Butyl Ester
15C700	(R, R)- 2-(2,2-Diphenyl-[1,3]-Dioxolan-4-yl)-Piperidine
15C699	(S, S)- 2-(2,2-Diphenyl-[1,3]-Dioxolan-4-yl)-Piperidine
15C690	(1R, 2S)-2-Phenyl-1-Cyclohexanol
15C691	(1S, 2R)-2-Phenyl-1-Cyclohexanol
15C687	(R)-2-Piperidino-1,1,2-Triphenylethanol
15C686	(S)-2-Piperidino-1,1,2-Triphenylethanol
15C692	(3aR, 4R, 7S, 7aS)-3a, 4, 7, 7a-Tetrahydro-2-(Trimethylsilyl)-4,7-Methano-1H-Inden-1-one
15C709	(3aR*, 4R*, 7S*, 7aS*)-3a, 4, 7, 7a-Tetrahydro-2-(Trimethylsilyl)-4,7-Methano-1H-Inden-1-one
15C707	(3aS, 4S, 7R, 7aR)-3a, 4, 7, 7a-Tetrahydro-2-(Trimethylsilyl)-4,7-Methano-1H-Inden-1-one
15C478	(R)-1,1,2-Triphenyl-1,2-Ethanediol
15C477	(S)-1,1,2-Triphenyl-1,2-Ethanediol
15C705	(R)-Triphenyloxirane
15C704	(S)-Triphenyloxirane
15C588	Z-D-N-MeLeu-OH

PRODUCTS WHICH HAVE CHANGED SIZE PACK

CODE	DESCRIPTION	BEFORE	NOW
435895.0922	Slide PCA/PCA CULTIMED	10 units	20 units
435896.0922	Slide PCA/RB CULTIMED	10 units	20 units
435897.0922	Slide PCA/VRBG CULTIMED	10 units	20 units

PRODUCTS WHICH HAVE CHANGED QUALITY OR NAME

BEFORE		NOW
202824	Calcium Chloride solution 45% w/w (as $CaCl_2.2H_2O$) (E-509, F.C.C.) ADITIO	Calcium Chloride solution 45% w/w (as $CaCl_2.2H_2O$) (F.C.C.) ADITIO
142400	Calcium Hydroxide, powder (RFE, USP, BP, Ph. Eur.) PRS-CODEX	Calcium Hydroxide, powder (RFE, USP, BP, Ph. Eur., JP) PRS-CODEX
361245	Carbon Tetrachloride (UV-HPLC-GPC) PAI	Carbon Tetrachloride (UV-HPLC-GPC) (E.U.) PAI
331245	Carbon Tetrachloride (IR) PAI	Carbon Tetrachloride (IR) (E.U.) PAI
131245	Carbon Tetrachloride (ACS VIII, Reag. Ph. Eur.) PA-ACS-ISO	Carbon Tetrachloride (ACS VIII, Reag. Ph. Eur.) (E.U.) PA-ACS-ISO
141245	Carbon Tetrachloride PRS	Carbon Tetrachloride (E.U.) PRS
141937	Di-n-Butyl Phthalate (RFE, BP, Ph. Eur.) PRS-CODEX	Di-n-Butyl Phthalate PRS
481296	1,4-Dioxan dry (max. 0,005% water) stabilized with ~25 ppm of BHT DS-ACS-ISO	1,4-Dioxan dry (max. 0,01% water) stabilized with ~25 ppm of BHT DS-ACS-ISO
201034	L(+)-Lactic Acid (E-270, F.C.C) ADITIO	L(+)-Lactic Acid (F.C.C.) ADITIO
433799	Plate Count Agar (PCA) (Contact Plate) CULTIMED	Plate Count Agar (PCA) (ISO 4833:2003) (Contact Plate) CULTIMED
453799	Plate Count Agar (Prepared Plate (Ø 90 mm)) CULTIMED	Plate Count Agar (ISO 4833:2003) (Prepared Plate (Ø 90 mm)) CULTIMED
463799	Plate Count Agar (Prepared Tubes) CULTIMED	Plate Count Agar (ISO 4833:2003) (Prepared Tubes) CULTIMED
493799	Plate Count Agar (Prepared Bottles) CULTIMED	Plate Count Agar (ISO 4833:2003) (Prepared Bottles) CULTIMED
131524	Potassium Nitrate (Reag. Ph. Eur.) PA-ISO	Potassium Nitrate without anticaking (Reag. Ph. Eur.) PA-ISO
141524	Potassium Nitrate (RFE, BP, Ph. Eur.) PRS-CODEX	Potassium Nitrate without anticaking (RFE, BP, Ph. Eur.) PRS-CODEX
201524	Potassium Nitrate (E-252, F.C.C.) ADITIO	Potassium Nitrate without anticaking (E-252, F.C.C.) ADITIO
143646	L-Proline (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX	L-Proline (RFE, USP, BP, Ph. Eur.) PRS-CODEX
202512	Stearic Acid 50 (fatty acids mixture) (E-570, F.C.C.) ADITIO	Stearic Acid 50 (fatty acids mixture) (F.C.C.) ADITIO
721058	Sulphuric Acid 94-98% (TMA) HIPERPUR	Sulphuric Acid 93-98% (TMA) HIPERPUR
201058	Sulphuric Acid 95-98% (E-513, F.C.C.) ADITIO	Sulphuric Acid 95-98% (F.C.C.) ADITIO
142925	1,1,1-Trichloroethane PRS	1,1,1-Trichloroethane (E.U.) PRS
363266	1,1,2-Trichlorotrifluoroethane (UV-IR-HPLC) PAI	1,1,2-Trichlorotrifluoroethane (UV-IR-HPLC) (E.U.) PAI
133266	1,1,2-Trichlorotrifluoroethane (ACS IX, Reag. USP, Ph. Eur.) PA-ACS	1,1,2-Trichlorotrifluoroethane (ACS IX, Reag. USP, Ph. Eur.) (E.U.) PA-ACS
163266	1,1,2-Trichlorotrifluoroethane, 99,8% PS	1,1,2-Trichlorotrifluoroethane, 99,8% (E.U.) PS

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ACAC
(see 2,4-Pentanedione)

Acacia
(see Arabic Gum)

ACES
(see N-(2-Acetamido) 2-Aminoethanesulphonic Acid)

Acetaldehyde, 99% PS
C_2H_4O
M: 44,05 CAS: 75-07-0 EINECS: 200-836-8 NC: 2912 12 00 UN: 1089
IMDG: 3/I ADR: 3/I IATA: 3/I PAX: P CAO: 304
HAZARDOUS:
F+ Xn **R: 12-36/37-40 S: 16-33-36/37 CE: 605-003-00-6**
1l~0,780kg 1kg~1,282l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 16/4 0,786-0,790

Order code	Package	Units/Box st.
15A656.1609	250 ml	6
15A656.1611	1000 ml	6

Acetamide PA
C_2H_5NO
M: 59,07 CAS: 60-35-5 EINECS: 200-473-5 NC: 2924 19 00
HAZARDOUS:
Xn **R: 40 S: 36/37 CE: 616-022-00-4**
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Melting range ..... 79-81°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Insoluble matter in C_2H_5OH ..... p/t.
Residue on ignition (as SO_4) ..... 0,01 %
Acidity (as CH_3COOH) ..... 0,05 %
Water (H_2O) ..... 0,2 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,002 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
121004.1210	500 g	6
121004.0914	5 kg	

Acetamide PRS
C_2H_5NO
M: 59,07 CAS: 60-35-5 EINECS: 200-473-5 NC: 2924 19 00
HAZARDOUS:
Xn **R: 40 S: 36/37 CE: 616-022-00-4**
SPECIFICATIONS:
Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 78-81°C
Insoluble matter in H_2O ..... 0,025 %
Acidity (as CH_3COOH) ..... 0,1 %
Water (H_2O) ..... 0,5 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141004.1210	500 g	6
141004.1211	1000 g	6
141004.0914	5 kg	

CMS Cosmos Supply co.,ltd.
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E_mail : cosmos_supply@yahoo.co.th , cosmos_supply@hotmail.com
Tel. 0-2931-8232-3 , Fax. 0-2931-8234 Website : www.cosmos-supply.com

Acetamide, 99% PS
C_2H_5NO
M: 59,07 CAS: 60-35-5 EINECS: 200-473-5 NC: 2924 19 00
HAZARDOUS:
Xn **R: 40 S: 36/37 CE: 616-022-00-4**
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 79-81°C

Order code	Package	Units/Box st.
151004.1208	100 g	6
151004.1210	500 g	6

Acetamidine Hydrochloride
(see Acetamidinium Chloride)

Acetamidinium Chloride, 98% PS
$CH_3C(=NH)NH_2 . HCl$
M: 94,54 CAS: 124-42-5 EINECS: 204-700-9 NC: 2925 19 95
HAZARDOUS:
Xi **R: 36/38 S: 22-26-37/39**
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B668.1208	100 g	6

N-(2-Acetamido) 2-Aminoethanesulphonic Acid PB
$C_4H_{10}N_2O_4S$
M: 182,20 CAS: 7365-82-4 EINECS: 230-908-4 NC: 2924 19 00
SPECIFICATIONS:
Minimum assay ..... 99 %
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Residue on ignition (as SO_4) ..... 0,1 %
Chloride (Cl) ..... 0,1 %
Sulphate (SO_4) ..... 0,005 %
ABS at λ260 nm 0,1 mol/l sol. in H_2O 0,05
ABS at λ280 nm 0,1 mol/l sol. in H_2O 0,05

Order code	Package	Units/Box st.
375505.1206	25 g	6
375505.1209	250 g	6

L-α-Acetamido-β-Mercaptopropionic Acid
(see N-Acetyl-L-Cysteine)

Acetanilide (Reag. USP) PA
C_8H_9NO
M: 135,17 CAS: 103-84-4 EINECS: 203-150-7 NC: 2924 29 95
HAZARDOUS:
Xn **R: 22**
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Melting range ..... 114-116°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in C_2H_5OH ..... p/t.
Loss on drying ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,05 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
121005.1209	250 g	6
121005.0914	5 kg	

Acetanilide PRS
C_8H_9NO
M: 135,17 CAS: 103-84-4 EINECS: 203-150-7 NC: 2924 29 95
HAZARDOUS:
Xn **R: 22**
SPECIFICATIONS:
Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 113-116°C
Insoluble matter in C_2H_5OH ..... p/t.
Loss on drying ..... 0,8 %
Residue on ignition (as SO_4) ..... 0,2 %

Order code	Package	Units/Box st.
141005.1210	500 g	6
141005.1211	1000 g	6
141005.0914	5 kg	
141005.0416	25 kg	

Acetanilide, 99% PS

C_8H_9NO

M: 135,17 CAS: 103-84-4 EINECS: 203-150-7 NC: 2924 29 95

HAZARDOUS:

Xn

R: 22

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 113-116°C

Order code	Package	Units/Box st.
151005.1208	100 g	6
151005.1210	500 g	6

Acetic Acid glacial (TMA) HIPERPUR-PLUS

CH_3COOH

M: 60,05 CAS: 64-19-7 EINECS: 200-580-7 NC: 2915 21 00 UN: 2789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813

HAZARDOUS:

C

R: 10-35 S: 23c-26-45 CE: 607-002-00-6

1l~1,052kg 1kg~0,951l

SPECIFICATIONS:

Minimum assay ..... 99 %

MAXIMUM LIMIT OF IMPURITIES

Metals by ICP (ppt)

Ag	50	Hf	10	Sb	50
Al	50	Ho	1	Sc	10
As	50	In	1	Sm	1
Ba	10	K	50	Sn	50
Be	10	La	1	Sr	10
Bi	10	Li	10	Tb	1
Ca	50	Lu	10	Te	1
Cd	10	Mg	50	Th	1
Ce	10	Mn	10	Ti	10
Co	10	Mo	10	Tl	10
Cr	10	Na	100	Tm	1
Cs	10	Nd	1	U	1
Cu	10	Ni	50	V	10
Dy	1	Pb	10	W	10
Er	1	Pr	1	Y	1
Eu	1	Pt	50	Yb	1
Fe	50	Rb	10	Zn	50
Ga	10	Re	10	Zr	10
Gd	1	Rh	50		
Ge	10	Ru	50		

Analysis Type

Ag	50	Hf	10	Sb	10
Al	20	Ho	0,1	Sc	1
As	20	In	1	Se	50
Ba	1	K	30	Sm	0,1
Be	5	La	0,1	Sn	10
Bi	1	Li	1	Sr	1
Ca	50	Lu	0,1	Tb	0,1
Cd	1	Mg	10	Te	1
Ce	0,1	Mn	1	Th	0,1
Co	1	Mo	10	Ti	10
Cr	10	Na	50	Tl	0,1
Cs	0,1	Nd	0,1	Tm	0,1
Cu	5	Ni	10	U	0,1
Dy	0,1	Pb	2	V	1
Er	0,1	Pr	0,1	W	10
Eu	0,1	Pt	50	Y	1
Fe	20	Rb	1	Yb	0,1
Ga	1	Re	0,1	Zn	20
Gd	0,1	Rh	20	Zr	10
Ge	1	Ru	20		

Order code	Package	Units/Box st.
711008.0009	250 ml	6

Acetic Acid glacial (TMA) HIPERPUR

CH_3COOH

M: 60,05 CAS: 64-19-7 EINECS: 200-580-7 NC: 2915 21 00 UN: 2789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813

HAZARDOUS:

C

R: 10-35 S: 23c-26-45 CE: 607-002-00-6

1l~1,052kg 1kg~0,951l

SPECIFICATIONS:

Minimum assay ..... 99 %

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Reducing substances to $K_2Cr_2O_7$ ..... p/t.
Reducing substances to $KMnO_4$ ..... p/t.
Chloride (Cl) ..... 0,0001 %
Phosphate (PO_4) ..... 0,0001 %
Sulphate (SO_4) ..... 0,00005 %

Metals by ICP (ppb)

Ag	1	Hf	0,1	Ru	0,5
Al	1	Hg	1	Sb	0,5
As	0,5	Ho	0,1	Sc	0,1
Ba	0,5	In	0,1	Se	1
Be	0,1	K	1	Sm	0,1
Bi	0,1	La	0,1	Sn	0,5
Ca	1	Li	0,1	Sr	0,5
Cd	0,5	Lu	0,1	Tb	0,1
Ce	0,1	Mg	0,5	Te	0,5
Co	0,1	Mn	0,5	Th	0,1
Cr	1	Mo	0,5	Ti	0,5
Cs	0,1	Na	1	Tl	0,1
Cu	0,5	Nd	0,1	Tm	0,1
Dy	0,1	Ni	0,5	U	0,1
Er	0,1	Pb	0,1	V	0,5
Eu	0,1	Pr	0,1	W	0,5
Fe	1	Pt	0,5	Y	0,1
Ga	0,1	Rb	0,1	Yb	0,1
Gd	0,1	Re	0,1	Zn	1
Ge	0,5	Rh	0,5	Zr	0,1

Analysis Type

Ag	0,1	Hf	0,1	Ru	0,1
Al	0,5	Hg	0,1	Sb	0,1
As	0,1	Ho	0,1	Sc	0,1
Ba	0,1	In	0,1	Se	0,5
Be	0,1	K	0,5	Sm	0,1
Bi	0,1	La	0,1	Sn	0,1
Ca	1	Li	0,1	Sr	0,1
Cd	0,1	Lu	0,1	Tb	0,1
Ce	0,1	Mg	0,2	Te	0,1
Co	0,1	Mn	0,1	Th	0,1
Cr	0,1	Mo	0,1	Ti	0,1
Cs	0,1	Na	1	Tl	0,1
Cu	0,2	Nd	0,1	Tm	0,1
Dy	0,1	Ni	0,1	U	0,1
Er	0,1	Pb	0,1	V	0,1
Eu	0,1	Pr	0,1	W	0,1
Fe	0,5	Pt	0,1	Y	0,1
Ga	0,1	Rb	0,1	Yb	0,1
Gd	0,1	Re	0,1	Zn	0,5
Ge	0,1	Rh	0,1	Zr	0,1

Order code	Package	Units/Box st.
721008.0010	500 ml	6
721008.0011	1000 ml	6
721008.0012	2,5 l	4

HIPERPUR

Reactivos para análisis de trazas metálicas.
Rango: PPB. Para AAS e ICP-OES
Reagents for analysis of metallic traces.
Range: PPB. For AAS and ICP-OES
Réactifs pour analyse des traces metalliques.
Range: PPB. Pour AAS et ICP-OES

Acetic Acid glacial (HPLC) PAI

CH_3COOH

M: 60,05 CAS: 64-19-7 EINECS: 200-580-7 NC: 2915 21 00 UN: 2789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 10-35 S: 23c-26-45 CE: 607-002-00-6
1l~1,052kg 1kg~0,951l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,8 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,001 %
Water (H_2O) ..... 0,05 %
UV Spectrum (1cm cell; Ref.: water)

λ (nm)	253 (Cut off)	254	280	300-450
A (AU)	1,000	0,602	0,022	0,009
T (%)	10	25	95	98

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 6,0
Sol. H_2O in solv. at 20°C ..... miscible
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361008.1611	1000 ml	6
361008.1612	2,5 l	4

Acetic Acid glacial (Reag. Ph. Eur.) PA-ACS-ISO

CH_3COOH

M: 60,05 CAS: 64-19-7 EINECS: 200-580-7 NC: 2915 21 00 UN: 2789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 10-35 S: 23c-26-45 CE: 607-002-00-6
1l~1,052kg 1kg~0,951l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,7 %
Density at 20/20 1,050-1,052
Freezing point ..... ≥16,0°C

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,001 %
Residue on ignition (as SO_4) ..... 0,0005 %
Reducing substances to $K_2Cr_2O_7$ ..... p/t.
Reducing substances to $KMnO_4$ ..... p/t.
Alkalinity ..... 0,0004 meq/g
Peroxides (H_2O_2) ..... 0,0002 %
Acetaldehyde (CH_3CHO) ..... 0,0002 %
Water (H_2O) ..... 0,2 %
Acetic anhydride [$(CH_3CO)_2O$] (G.C.) ..... 0,01 %
Chloride (Cl) ..... 0,00004 %
Formate (HCOO) ..... 0,01 %
Nitrate (NO_3) ..... 0,0001 %
Phosphate (PO_4) ..... 0,00004 %
Sulphate (SO_4) ..... 0,0001 %
Heavy metals (as Pb) ..... 0,00005 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,01	Cu	0,01	Ni	0,05
Al	0,05	Fe	0,1	Pb	0,5
As	0,5	Ga	0,05	Pt	0,1
Au	0,1	Ge	0,02	Sb	0,02
B	0,05	Hg	0,1	Si	0,1
Ba	0,1	In	0,05	Sn	0,05
Be	0,01	K	0,1	Sr	0,05
Bi	0,05	Li	0,01	Ti	0,05
Ca	0,5	Mg	0,1	Tl	0,02
Cd	0,01	Mn	0,01	V	0,02
Co	0,01	Mo	0,02	Zn	0,05
Cr	0,02	Na	0,5	Zr	0,05

Order code	Package	Units/Box st.
131008.1611	1000 ml	6
131008.1211	1000 ml	6
131008.1612	2,5 l	4
131008.1212	2,5 l	4
131008.1214	5 l	4
131008.0716	25 l	
131008.0718	60 l	
131008.0719	200 l	

Acetic Acid glacial (RFE, USP, BP, Ph. Eur.) PRS-CODEX

CH_3COOH

M: 60,05 CAS: 64-19-7 EINECS: 200-580-7 NC: 2915 21 00 UN: 2789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 10-35 S: 23c-26-45 CE: 607-002-00-6
1l~1,052kg 1kg~0,951l

SPECIFICATIONS:
Assay (Acidim.) 99,5-100,5%
Identity according to Pharmacopoeias ..... p/t.
Density at 20/4 1,048-1,050
Freezing point ..... ≥15,6°C

MAXIMUM LIMIT OF IMPURITIES
Appearance of the substance ..... p/t.
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,005 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Easily oxidable substances ..... p/t.
Reducing substances ..... p/t.
Aldehydes (as CH_3CHO) ..... 0,05 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0001 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141008.1611	1000 ml	6
141008.1211	1000 ml	6
141008.1612	2,5 l	4
141008.1212	2,5 l	4
141008.1214	5 l	4
141008.0716	25 l	
141008.0718	60 l	
141008.0719	200 l	

Acetic Acid glacial (E-260, F.C.C.) ADITIO

CH_3COOH

M: 60,05 CAS: 64-19-7 EINECS: 200-580-7 NC: 2915 21 00 UN: 2789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 10-35 S: 23c-26-45 CE: 607-002-00-6
1l~1,052kg 1kg~0,951l

SPECIFICATIONS:
Assay (as $C_2H_4O_2$) by weight 99,8-100,5%
Arsenic (as As), not more than ..... 1 ppm
Non-volatile Residue, not more than ..... 0,005 %
Easily Oxidizable substances ..... p/t.
Solidification Point, not lower than ..... 15,6°C
Formic Acid, Formates and other oxidizable substances (as Formic Acid), not more than ..... 0,1 %
Lead, not more than ..... 0,5 ppm
Heavy metals (as Pb), not more than ..... 10 ppm
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
201008.1214	5 l	4
201008.0716	25 l	

Acetic Acid glacial, 99,5% PS

CH_3COOH

M: 60,05 CAS: 64-19-7 EINECS: 200-580-7 NC: 2915 21 00 UN: 2789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 10-35 S: 23c-26-45 CE: 607-002-00-6
1l~1,052kg 1kg~0,951l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Density at 20/4 1,048-1,050
Non-volatile matter ..... 0,001 %
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
161008.1611	1000 ml	6
161008.1612	2,5 l	4
161008.1214	5 l	4
161008.0716	25 l	

Acetic Acid glacial QP

CH_3COOH

M: 60,05 CAS: 64-19-7 EINECS: 200-580-7 NC: 2915 21 00 UN: 2789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

R: 10-35 S: 23c-26-45 CE: 607-002-00-6
1l~1,052kg 1kg~0,951l
SPECIFICATIONS:

Assay (G.C.) ..... 99,5 %
Density at 20/4 1,048-1,052
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Fe ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
211008.1211	1000 ml	6
211008.1214	5 l	4
211008.0716	25 l	
211008.0718	60 l	

Acetic Acid glacial DC

for determination of cholesterol and glucose
CH_3COOH

M: 60,05 CAS: 64-19-7 EINECS: 200-580-7 NC: 2915 21 00 UN: 2789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

R: 10-35 S: 23c-26-45 CE: 607-002-00-6
1l~1,052kg 1kg~0,951l
SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,7 %
Density at 20/4 1,048-1,050
Freezing point ..... ≥16,0°C

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter ..... 0,001 %
Residue on ignition (as SO_4) ..... 0,0005 %
Water (H_2O) ..... 0,2 %
Chloride (Cl) ..... 0,0001 %
Nitrate (NO_3) ..... 0,0001 %
Phosphate (PO_4) ..... 0,00005 %
Sulphate (SO_4) ..... 0,0001 %

Ag ..... 0,000001 %	Co ..... 0,000001 %	Mn ..... 0,000001 %
Al ..... 0,000005 %	Cr ..... 0,000002 %	Na ..... 0,00005 %
As ..... 0,00005 %	Cu ..... 0,000001 %	Ni ..... 0,000005 %
Ba ..... 0,00001 %	Fe ..... 0,00001 %	Pb ..... 0,000002 %
Be ..... 0,000001 %	K ..... 0,00001 %	Sr ..... 0,000005 %
Ca ..... 0,00005 %	Li ..... 0,000001 %	Zn ..... 0,000005 %
Cd ..... 0,000001 %	Mg ..... 0,00001 %	

Order code	Package	Units/Box st.
251008.1611	1000 ml	6

Acetic Acid 96% PA

CH_3COOH

M: 60,05 CAS: 64-19-7 EINECS: 200-580-7 NC: 2915 21 00 UN: 2789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

R: 10-35 S: 23c-26-45 CE: 607-002-00-6
1l~1,06kg 1kg~0,94l
SPECIFICATIONS:

Minimum assay (Acidim.) ..... 96,0 %

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,001 %
Residue on ignition (as SO_4) ..... 0,0005 %
Reducing substances to $K_2Cr_2O_7$ ..... p/t.
Reducing substances to $KMnO_4$ ..... p/t.
Peroxides ..... 0,0002 %
Acetaldehyde (CH_3CHO) ..... 0,0002 %
Chloride (Cl) ..... 0,0001 %
Formate (HCOO) ..... 0,01 %
Nitrate (NO_3) ..... 0,0001 %
Sulphate (SO_4) ..... 0,0001 %

Ag ..... 0,000001 %	Co ..... 0,000001 %	Mn ..... 0,000001 %
Al ..... 0,000005 %	Cr ..... 0,000002 %	Na ..... 0,00005 %
As ..... 0,00005 %	Cu ..... 0,000001 %	Ni ..... 0,000005 %
Ba ..... 0,00001 %	Fe ..... 0,00001 %	Pb ..... 0,000002 %
Be ..... 0,000001 %	K ..... 0,00001 %	Sr ..... 0,000005 %
Ca ..... 0,00005 %	Li ..... 0,000001 %	Zn ..... 0,000005 %
Cd ..... 0,000001 %	Mg ..... 0,00001 %	

Order code	Package	Units/Box st.
122703.1611	1000 ml	6
122703.1612	2,5 l	4
122703.1214	5 l	4
122703.0718	60 l	

Acetic Acid 80% PA

CH_3COOH

M: 60,05 CAS: 64-19-7 EINECS: 200-580-7 NC: 2915 21 00 UN: 2789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

R: 34 S: 23c-26-45 CE: 607-002-00-6
1l~1,07kg 1kg~0,93l
SPECIFICATIONS:

Minimum assay (Acidim.) ..... 80,0 %

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,001 %
Residue on ignition (as SO_4) ..... 0,0005 %
Reducing substances to $K_2Cr_2O_7$ ..... p/t.
Reducing substances to $KMnO_4$ ..... p/t.
Peroxides ..... 0,0002 %
Acetaldehyde (CH_3CHO) ..... 0,0002 %
Chloride (Cl) ..... 0,0001 %
Formate (HCOO) ..... 0,01 %
Nitrate (NO_3) ..... 0,0001 %
Sulphate (SO_4) ..... 0,0001 %
Heavy metals (as Pb) ..... 0,0001 %

Ag ..... 0,000001 %	Co ..... 0,000001 %	Mn ..... 0,000001 %
Al ..... 0,000005 %	Cr ..... 0,000002 %	Na ..... 0,00005 %
As ..... 0,00005 %	Cu ..... 0,000001 %	Ni ..... 0,000005 %
Ba ..... 0,00001 %	Fe ..... 0,00001 %	Pb ..... 0,000002 %
Be ..... 0,000001 %	K ..... 0,00001 %	Sr ..... 0,000005 %
Ca ..... 0,00005 %	Li ..... 0,000001 %	Zn ..... 0,000005 %
Cd ..... 0,000001 %	Mg ..... 0,00001 %	

Order code	Package	Units/Box st.
121556.1611	1000 ml	6
121556.1214	5 l	4
121556.0716	25 l	

ACETIC ACID SOLUTIONS

Acetic Acid 0,1 mol/l (0,1N) SV

Indicator: Phenolphthalein
CH_3COOH

M: 60,05 CAS: 64-19-7 EINECS: 200-580-7 NC: 2915 21 00
1l~1,002kg 1kg~0,998l
SPECIFICATIONS:

Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
181011.1211	1000 ml	6

Acetic Acid 0,5 mol/l (0,5N) SV

Indicator: Phenolphthalein
CH_3COOH

M: 60,05 CAS: 64-19-7 EINECS: 200-580-7 NC: 2915 21 00
1l~1,002kg 1kg~0,998l
SPECIFICATIONS:

Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
182118.1211	1000 ml	6

Acetic Acid 1 mol/l (1N) SV

Indicator: Phenolphthalein
CH_3COOH

M: 60,05 CAS: 64-19-7 EINECS: 200-580-7 NC: 2915 21 00
1l~1,009kg 1kg~0,991l
SPECIFICATIONS:

Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
181009.1211	1000 ml	6

Acetic Acid Benzyl Ester

(see Benzyl Acetate)

Acetic Acid Dimethylamide

(see N,N-Dimethylacetamide)

Acetic Acid 2-Phenylethyl Ester

(see 2-Phenylethyl Acetate)

Acetic Aldehyde

(see Acetaldehyde)

Acetic Anhydride (Reag. Ph. Eur.) PA-ACS-ISO

$(CH_3CO)_2O$

M: 102,09 CAS: 108-24-7 EINECS: 203-564-8 NC: 2915 24 00 UN: 1715
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 10-20/22-34 S: 26-36/37/39-45 CE: 607-008-00-9
1l~1,08kg 1kg~0,93l

SPECIFICATIONS:

Minimum assay ..... 99 %

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter ..... 0,003 %
Reducing substances to $KMnO_4$ ..... p/t.
Chloride (Cl) ..... 0,0005 %
Phosphate (PO_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,0005 %
Heavy metals (as Pb) ..... 0,0002 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,1	Fe	0,1	Pb	0,1
Al	0,05	Ga	0,05	Pt	0,1
As	0,1	Ge	0,02	Sb	0,02
Au	0,1	Hg	0,1	Si	0,1
B	0,05	In	0,05	Sn	0,05
Ba	0,1	K	0,1	Sr	0,05
Bi	0,05	Li	0,02	Ti	0,05
Ca	5	Mg	0,1	Tl	0,02
Cd	0,02	Mn	0,02	V	0,05
Co	0,02	Mo	0,02	Zn	0,1
Cr	0,02	Na	0,5	Zr	0,02
Cu	0,02	Ni	0,02		

Order code	Package	Units/Box st.
131147.1611	1000 ml	6
131147.1612	2,5 l	4
131147.1214	5 l	4
131147.0716	25 l	

Acetic Anhydride PRS

$(CH_3CO)_2O$

M: 102,09 CAS: 108-24-7 EINECS: 203-564-8 NC: 2915 24 00 UN: 1715
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 10-20/22-34 S: 26-36/37/39-45 CE: 607-008-00-9
1l~1,08kg 1kg~0,93l

SPECIFICATIONS:

Assay (Morpholine Met.) ..... 98 %
Non-volatile matter ..... 0,01 %
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141147.1611	1000 ml	6
141147.1612	2,5 l	4
141147.1214	5 l	4
141147.0716	25 l	

Acetic Anhydride, 98% PS

$(CH_3CO)_2O$

M: 102,09 CAS: 108-24-7 EINECS: 203-564-8 NC: 2915 24 00 UN: 1715
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 10-20/22-34 S: 26-36/37/39-45 CE: 607-008-00-9
1l~1,08kg 1kg~0,93l

SPECIFICATIONS:

Minimum assay (Morpholine meth.) ..... 98 %

Order code	Package	Units/Box st.
161147.1211	1000 ml	6
161147.1212	2,5 l	4
161147.1214	5 l	4
161147.0716	25 l	
161147.0718	60 l	

Acetoacetic Acid Ethyl Ester

(see Ethyl Acetoacetate)

Acetone (VLSI) EG

CH_3COCH_3

M: 58,08 CAS: 67-64-1 EINECS: 200-662-2 NC: 2914 11 00 UN: 1090
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi

R: 11-36-66-67 S: 9-16-26-46 CE: 606-001-00-8
1l~0,789kg 1kg~1,267l

SPECIFICATIONS:

Minimum assay ..... 99,7 %
Density at 20/4 0,787-0,791

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,0005 %
Chloride (Cl) ..... 0,00001 %
Phosphate (PO_4) ..... 0,00005 %
Acidity ..... 0,2 µeq/g
Alkalinity ..... 0,5 µeq/g
Water (H_2O) ..... 0,3 %
0,5 µm particles ..... 250 /ml

Metals by ICP [µ g/Kg (ppb)]

Ag	10	Co	10	Na	50
Al	50	Cr	10	Ni	10
As	10	Cu	10	Pb	10
Au	10	Fe	50	Sb	10
B	20	Ga	10	Sn	10
Ba	20	K	20	Sr	10
Be	10	Li	10	Ti	10
Bi	10	Mg	20	V	10
Ca	50	Mn	10	Zn	20
Cd	10	Mo	10	Zr	10

Order code	Package	Units/Box st.
871007.1212	2,5 l	4

Acetone (MOS) EG

CH_3COCH_3

M: 58,08 CAS: 67-64-1 EINECS: 200-662-2 NC: 2914 11 00 UN: 1090
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi

R: 11-36-66-67 S: 9-16-26-46 CE: 606-001-00-8
1l~0,789kg 1kg~1,267l

SPECIFICATIONS:

Minimum assay ..... 99,7 %
Density at 20/4 0,787-0,791

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,0005 %
Chloride (Cl) ..... 0,00002 %
Acidity ..... 0,5 µeq/g
Alkalinity ..... 0,5 µeq/g
Water (H_2O) ..... 0,3 %
0,5 µm particles* ..... 1000 /ml

Metals by ICP [µg/Kg (ppb)]

Al	50	Fe	100	Pb	100
As	10	K	100	Sb	10
Au	50	Mg	100	Sn	50
B	100	Mn	50	Ti	50
Ca	100	Na	100	Zn	100
Cr	50	Ni	50		

*Indicative value

Order code	Package	Units/Box st.
861007.1212	2,5 l	4

SV

Soluciones valoradas
Volumetric solutions
Solutions volumétriques

Acetone (UV-IR-HPLC-GPC) PAI-ACS

CH_3COCH_3

M: 58,08 CAS: 67-64-1 EINECS: 200-662-2 NC: 2914 11 00 UN: 1090
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 9-16-26-46 CE: 606-001-00-8**

1l~0,789kg 1kg~1,267l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,9 %
Density at 20/4 0,787-0,791

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,0003 %
Methanol (G.C.) ..... 0,05 %
2-Propanol (G.C.) ..... 0,05 %
Reducing substances to $KMnO_4$ (as O) ..... 0,0002 %
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Aldehydes (as HCHO) ..... 0,002 %
Water (H_2O) ..... 0,2 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	329 (Cut off)	330	335	340	345	350-450
A (AU)	1,000	0,824	0,222	0,071	0,022	0,009
T (%)	10	15	60	85	95	98

Fluorescence (as quinine):

λ (nm)	365
ppb	2

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 5,1
Eluotropic value ε°(Al_2O_3) 0,56
Sol. H_2O in solv. at 20°C ..... miscible
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361007.1611	1000 ml	6
361007.1612	2,5 l	4

Acetone (PAR) PAI

CH_3COCH_3

M: 58,08 CAS: 67-64-1 EINECS: 200-662-2 NC: 2914 11 00 UN: 1090
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 9-16-26-46 CE: 606-001-00-8**

1l~0,789kg 1kg~1,267l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,8 %
Identity ..... IR p/t.
Density at 20/4 0,787-0,791

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,0005 %
Acidity ..... 0,0003 meq/g
Alkalinity ..... 0,0005 meq/g
Water (H_2O) ..... 0,2 %
Signal ECD of pesticide (Lindane to DDT) (as Lindane) ..... 5 ng/l
Signal PND of pesticide (Ethylparathion to Coumaphos)
(as Ethylparathion) ..... 5 ng/l
Signal FID of 2-Octanol to Tetradecanol (as 2-Octanol) ..... p/t.

Order code	Package	Units/Box st.
321007.1611	1000 ml	6
321007.1612	2,5 l	4
321007.1646	4 l	4

VINIKIT

Análisis de vinos
Wine analysis
Analyse des vins

Acetone dry (max. 0,01% water) DS

CH_3COCH_3

M: 58,08 CAS: 67-64-1 EINECS: 200-662-2 NC: 2914 11 00 UN: 1090
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 9-16-26-46 CE: 606-001-00-8**

1l~0,789kg 1kg~1,267l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,787-0,791

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Insoluble matter in H_2O ..... p/t.
Ethanol (G.C.) ..... 0,01 %
Methanol (G.C.) ..... 0,05 %
Mesityl oxide (G.C.) ..... 0,05 %
1-Propanol (G.C.) ..... 0,05 %
2-Propanol (G.C.) ..... 0,05 %
Reducing substances to $KMnO_4$ (as O) ..... 0,0002 %
Acidity ..... 0,0003 meq/g
Alkalinity ..... 0,0005 meq/g
Aldehydes (as HCHO) ..... 0,005 %
Water (H_2O) ..... 0,01 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
481007.1611	1000 ml	6

Acetone (Reag. Ph. Eur.) PA-ACS-ISO

CH_3COCH_3

M: 58,08 CAS: 67-64-1 EINECS: 200-662-2 NC: 2914 11 00 UN: 1090
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 9-16-26-46 CE: 606-001-00-8**

1l~0,789kg 1kg~1,267l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/20 0,790-0,793
Boiling range ..... ≤1,5°C

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,001 %
Ethanol (G.C.) ..... 0,01 %
4-Hydroxy-4-Methyl-2-Pentanone (G.C.) ..... 0,05 %
Methanol (G.C.) ..... 0,05 %
Mesityl oxide (G.C.) ..... 0,05 %
1-Propanol (G.C.) ..... 0,05 %
2-Propanol (G.C.) ..... 0,05 %
Reducing substances to $KMnO_4$ (as O) ..... 0,0002 %
Acidity ..... 0,0003 meq/g
Alkalinity ..... 0,0005 meq/g
Aldehydes (as HCHO) ..... 0,002 %
Water (H_2O) ..... 0,2 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131007.1611	1000 ml	6
131007.1211	1000 ml	6
131007.1612	2,5 l	4
131007.1212	2,5 l	4
131007.1214	5 l	4
131007.0716	25 l	
131007.0719	200 l	

Acetone (RFE, USP, BP, Ph. Eur.) PRS-CODEX

CH_3COCH_3

M: 58,08 CAS: 67-64-1 EINECS: 200-662-2 NC: 2914 11 00 UN: 1090
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 9-16-26-46 CE: 606-001-00-8**

1l~0,789kg 1kg~1,267l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity according to Pharmacopoeias ..... p/t.
Density at 20/20 0,790-0,792

MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,004 %
Related substances ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t.
Ethanol (G.C.) ..... 0,05 %
Reducing substances to $KMnO_4$ ..... p/t.
Acidity ..... p/t.
Alkalinity ..... p/t.
Water (H_2O) ..... 0,3 %
Cu ..... 0,00002 %
Fe ..... 0,00002 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141007.1611	1000 ml	6
141007.1211	1000 ml	6
141007.1612	2,5 l	4
141007.1212	2,5 l	4
141007.1214	5 l	4
141007.0716	25 l	
141007.0719	200 l	

Acetone (F.C.C.) ADITIO

extraction solvent for industrial food use
CH_3COCH_3

M: 58,08 CAS: 67-64-1 EINECS: 200-662-2 NC: 2914 11 00 UN: 1090
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 9-16-26-46 CE: 606-001-00-8**

1l~0,789kg 1kg~1,267l

SPECIFICATIONS:
Assay (C_3H_6O) ..... 99,5-100,5 %
Acidity (as CH_3COOH), not more than ..... 0,002 %
Alkalinity (as NH_3), not more than ..... 10 ppm
Aldehydes (as HCHO), not more than ..... 0,002 %
Density at 20/20, not more than 0,7930
Refractive index n 25/D 1,358-1,360
Distillation range (including 56,1°C) ..... 1°C
Heavy Metals (as Pb), not more than ..... 1 ppm
Methanol, not more than ..... 0,05 %
Non-volatile matter, not more than ..... 10 ppm
Phenols ..... p/t.
Solubility in water ..... p/t.
Substances Reducing $KMnO_4$ ..... p/t.
Water, not more than ..... 0,5 %
Arsenic, not more than ..... 1 ppm
Lead, not more than ..... 1 ppm
Specifications Dir. 88/344/CEE, F.C.C. 6

Order code	Package	Units/Box st.
201007.1214	5 l	4
201007.0716	25 l	

Acetone, 99,5% PS

CH_3COCH_3

M: 58,08 CAS: 67-64-1 EINECS: 200-662-2 NC: 2914 11 00 UN: 1090
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 9-16-26-46 CE: 606-001-00-8**

1l~0,789kg 1kg~1,267l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,787-0,791
Non-volatile matter ..... 0,002 %
Water (H_2O) ..... 0,3 %

Order code	Package	Units/Box st.
161007.1211	1000 ml	6
161007.1212	2,5 l	4
161007.1714	5 l	4
161007.0616	25 l	

Acetone QP

CH_3COCH_3

M: 58,08 CAS: 67-64-1 EINECS: 200-662-2 NC: 2914 11 00 UN: 1090
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 9-16-26-46 CE: 606-001-00-8**

1l~0,789kg 1kg~1,267l

SPECIFICATIONS:
Assay (G.C.) ..... 99,5 %
Density at 20/4 0,787-0,791
Acidity ..... 0,008 meq/g
Alkalinity ..... 0,006 meq/g
Water (H_2O) ..... 0,3 %

Order code	Package	Units/Box st.
211007.1211	1000 ml	6
211007.1214	5 l	4
211007.0716	25 l	
211007.0717	50 l	
211007.0719	200 l	

Acetone-D6 deuteration degree min. 99,95% (NMR) PAI

CD_3COCD_3

M: 64,12 CAS: 666-52-4 EINECS: 211-563-9 NC: 2845 90 10 UN: 1090
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 9-16-26**

1l~0,88kg 1kg~1,14l

SPECIFICATIONS:
Deuteration degree min. ..... 99,95 %
NMR suitability ..... p/t.

MAXIMUM LIMIT OF IMPURITIES
Water (H_2O+D_2O) ..... 0,02 %

Order code	Package	Units/Box st.
745839.02130	10 x 0,75 ml	6
745839.1605	10 ml	6

Acetone-D6 deuteration degree min. 99,8% (NMR) PAI

CD_3COCD_3

M: 64,12 CAS: 666-52-4 EINECS: 211-563-9 NC: 2845 90 10 UN: 1090
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 9-16-26**

1l~0,88kg 1kg~1,14l

SPECIFICATIONS:
Deuteration degree min. ..... 99,8 %
NMR suitability ..... p/t.

MAXIMUM LIMIT OF IMPURITIES
Water (H_2O+D_2O) ..... 0,03 %

Order code	Package	Units/Box st.
745838.02130	10 x 0,75 ml	6
745838.1605	10 ml	6
745838.1606	25 ml	6

Acetone-D6 deuteration degree min. 99,5% (NMR) PAI

CD_3COCD_3

M: 64,12 CAS: 666-52-4 EINECS: 211-563-9 NC: 2845 90 10 UN: 1090
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 9-16-26**

1l~0,88kg 1kg~1,14l

SPECIFICATIONS:
Deuteration degree min. ..... 99,5 %
NMR suitability ..... p/t.

MAXIMUM LIMIT OF IMPURITIES
Water (H_2O+D_2O) ..... 0,05 %

Order code	Package	Units/Box st.
745837.1605	10 ml	6
745837.1606	25 ml	6

Acetone Chloroform

(see 1,1,1-Trichloro-2-Methyl-2-Propanol 1/2-hydrate)

Acetone Dimethylacetal

(see 2,2-Dimethoxypropane)

Acetonitrile (HPLC-hypergradient grade) HIPERPUR

CH_3CN

M: 41,05 CAS: 75-05-8 EINECS: 200-835-2 NC: 2926 90 95 UN: 1648
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn **R: 11-20/21/22-36 S: 16-36/37 CE: 608-001-00-3**

1l~0,781kg 1kg~1,280l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,9 %
Identity ..... IR p/t.
Density at 20/4 0,779-0,783

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,0001 %
Acidity ..... 0,0001 meq/g
Alkalinity ..... 0,0001 meq/g
Water (H_2O) ..... 0,01 %
Suitability for PAH analysis (HPLC fluorescence detection) ..... p/t.
Suitability for pesticide analysis (HPLC UV detection) ..... p/t.
Suitability for fluorescence detection (NIST SRM 1647B) ..... p/t.
UV Spectrum (1cm cell; Ref.: water)

λ (nm)	190	195	200	215	230-400
A (AU)	0,523	0,071	0,018	0,009	0,004
T (%)	30	85	96	98	99

Microfiltered product (0,2 µm) and bottled under argon atmosphere.
Data of interest in HPLC:
UV-Cut off ..... 190 nm
Rohrschneider Polarity 5,8
Eluotropic value ε° (Al_2O_3) 0,65
Sol. H_2O in solv. at 20°C ..... miscible

Order code	Package	Units/Box st.
721881.1611	1000 ml	6
721881.1612	2,5 l	4

Acetonitrile (HPLC-gradient grade) PAI-ACS

CH_3CN

M: 41,05 CAS: 75-05-8 EINECS: 200-835-2 NC: 2926 90 95 UN: 1648
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn **R: 11-20/21/22-36 S: 16-36/37 CE: 608-001-00-3**

1l~0,781kg 1kg~1,280l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,9 %
Identity ..... IR p/t.
Density at 20/4 0,779-0,783

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,0002 %
Acidity ..... 0,0005 meq/g
Alkalinity ..... 0,0001 meq/g
Water (H_2O) ..... 0,02 %
Suitability for gradient elution according to ACS ..... p/t.
Gradient:

λ (nm)	210	254
A (mAU)	1,0	0,5

UV Spectrum (1cm cell; Ref.: water)

λ (nm)	190 (Cut off)	193	195	230-400
A (AU)	1,000	0,222	0,097	0,009
T (%)	10	60	80	98

Fluorescence (as quinine):

λ (nm)	254	365
ppb	1,0	0,5

Microfiltered product (0,2 µm) and bottled under argon atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 5,8
Eluotropic value E° (Al_2O_3) 0,65
Sol. H_2O in solv. at 20°C ..... miscible

Order code	Package	Units/Box st.
221881.1611	1000 ml	6
221881.1612	2,5 l	4
221881.1646	4 l	4
221881.0314	5 l	4
221881.0515	10 l	
221881.0516	25 l	
221881.0537	30 l	

Acetonitrile (UV-IR-HPLC-isocratic) PAI-ACS

CH_3CN

M: 41,05 CAS: 75-05-8 EINECS: 200-835-2 NC: 2926 90 95 UN: 1648
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn **R: 11-20/21/22-36 S: 16-36/37 CE: 608-001-00-3**

1l~0,781kg 1kg~1,280l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,9 %
Density at 20/4 0,779-0,783

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,0004 %
Acidity ..... 0,0005 meq/g
Alkalinity ..... 0,0001 meq/g
Water (H_2O) ..... 0,02 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	190 (Cut off)	195	200	230-400
A (AU)	1,000	0,155	0,046	0,009
T (%)	10	70	90	98

Fluorescence (as quinine):

λ (nm)	254	365
ppb	1,0	1,0

Microfiltered product (0,2 µm) and bottled under argon atmosphere.

Order code	Package	Units/Box st.
361881.1611	1000 ml	6
361881.1612	2,5 l	4
361881.0515	10 l	
361881.0537	30 l	

Acetonitrile (HPLC-preparative) PAI

CH_3CN

M: 41,05 CAS: 75-05-8 EINECS: 200-835-2 NC: 2926 90 95 UN: 1648
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn **R: 11-20/21/22-36 S: 16-36/37 CE: 608-001-00-3**

1l~0,781kg 1kg~1,280l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,8 %
Identity ..... IR p/t.
Density at 20/4 0,779-0,783

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,0005 %
Acidity ..... 0,0005 meq/g
Alkalinity ..... 0,0001 meq/g
Water (H_2O) ..... 0,05 %
UV Spectrum (1cm cell; Ref.: water)

λ (nm)	210	220	240-400
A (AU)	0,097	0,046	0,009
T (%)	80	90	98

Microfiltered product (0,2 µm) and bottled under argon atmosphere.

Order code	Package	Units/Box st.
261881.1646	4 l	4
261881.0314	5 l	4
261881.0515	10 l	
261881.0316	25 l	
261881.0537	30 l	
261881.0519	200 l	

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Acetonitrile (LC-MS) PAI

CH_3CN

M: 41,05 CAS: 75-05-8 EINECS: 200-835-2 NC: 2926 90 95 UN: 1648
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn **R: 11-20/21/22-36 S: 16-36/37 CE: 608-001-00-3**

1l~0,781kg 1kg~1,280l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Identity ..... IR p/t.
Density at 20/4 0,779-0,783

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0002 %
Acidity ..... 0,0003 meq/g
Alkalinity ..... 0,0001 meq/g
Water (H_2O) ..... 0,01 %
Suitability for LC-MS ..... p/t.
Gradient:

λ (nm)	210	254
A (mAU)	1	0,2

UV Spectrum (1cm cell; Ref.: water)

λ (nm)	193	195	200	230-400
A (AU)	0,222	0,097	0,046	0,009
T (%)	60	80	90	98

Fluorescence (as quinine):

λ (nm)	254	365
ppb	1,0	0,5

Metals [in mg/Kg (ppm)]

Ag	0,05	Cr	0,02	Na	0,1
Al	0,5	Cu	0,02	Ni	0,02
Ba	0,1	Fe	0,1	Pb	0,1
Ca	0,05	K	0,1	Sn	0,1
Cd	0,05	Mg	0,1	Zn	0,1
Co	0,02	Mn	0,02		

Microfiltered product (0,2 µm) and bottled under argon atmosphere.

Order code	Package	Units/Box st.
701881.1611	1000 ml	6
701881.1612	2,5 l	4

Acetonitrile (PAR) PAI-ACS

CH_3CN

M: 41,05 CAS: 75-05-8 EINECS: 200-835-2 NC: 2926 90 95 UN: 1648
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn **R: 11-20/21/22-36 S: 16-36/37 CE: 608-001-00-3**

1l~0,781kg 1kg~1,280l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,8 %
Identity ..... IR p/t.
Density at 20/4 0,779-0,783

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0003 %
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0001 meq/g
Water (H_2O) ..... 0,02 %
Signal ECD of pesticide (Lindane to DDT) (as Lindane) ..... 5 ng/l
Signal PND of pesticide (Ethylparathion to Coumaphos)
(as Ethylparathion) ..... 5 ng/l
Signal FID of 2-Octanol to Tetradecanol (as 2-Octanol) ..... p/t.

Order code	Package	Units/Box st.
321881.1612	2,5 l	4

Acetonitrile dry (max. 0,005% water) DS-ACS

CH_3CN

M: 41,05 CAS: 75-05-8 EINECS: 200-835-2 NC: 2926 90 95 UN: 1648
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn **R: 11-20/21/22-36 S: 16-36/37 CE: 608-001-00-3**

1l~0,781kg 1kg~1,280l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,7 %
Identity ..... IR p/t.
Density at 20/4 0,779-0,783

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,001 %
Acrylonitrile (G.C.) ..... 0,05 %
Allyl alcohol (G.C.) ..... 0,05 %
Benzene (G.C.) ..... 0,05 %
Propionitrile (G.C.) ..... 0,1 %
Reducing substances to $KMnO_4$ ..... p/t.
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0001 meq/g
Water (H_2O) ..... 0,005 %
Hydrogen Cyanide (HCN) ..... 0,005 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,05	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
481881.1611	1000 ml	6

Acetonitrile (Reag. Ph. Eur.) PA-ACS

CH_3CN

M: 41,05 CAS: 75-05-8 EINECS: 200-835-2 NC: 2926 90 95 UN: 1648
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn **R: 11-20/21/22-36 S: 16-36/37 CE: 608-001-00-3**

1l~0,781kg 1kg~1,280l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,779-0,783

MAXIMUM LIMIT OF IMPURITIES
APHA Colour 10
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,001 %
Acrylonitrile (G.C.) ..... 0,05 %
Allyl Alcohol (G.C.) ..... 0,05 %
Benzene (G.C.) ..... 0,05 %
Propionitrile (G.C.) ..... 0,1 %
Reducing substances to $KMnO_4$ ..... p/t.
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0001 meq/g
Water (H_2O) ..... 0,1 %
Hydrogen Cyanide (HCN) ..... 0,005 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,05	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131881.1611	1000 ml	6
131881.1612	2,5 l	4

Acetonitrile BS

for synthesis of DNA
CH_3CN
M: 41,05 CAS: 75-05-8 EINECS: 200-835-2 NC: 2926 90 95 UN: 1648
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn **R: 11-20/21/22-36 S: 16-36/37 CE: 608-001-00-3**
1l~0,781kg 1kg~1,280l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,7 %
Identity ..... IR p/t.
Density at 20/4 0,779-0,783
MAXIMUM LIMIT OF IMPURITIES
Water (H_2O) ..... 0,001 %

Order code	Package	Units/Box st.
731881.1611	1000 ml	6
731881.1612	2,5 l	4

Acetonitrile, 99,7% PS

CH_3CN
M: 41,05 CAS: 75-05-8 EINECS: 200-835-2 NC: 2926 90 95 UN: 1648
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn **R: 11-20/21/22-36 S: 16-36/37 CE: 608-001-00-3**
1l~0,781kg 1kg~1,280l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,7 %
Identity ..... IR p/t.
Density at 20/4 0,779-0,783
Non-volatile matter ..... 0,003 %
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
161881.1611	1000 ml	6
161881.1612	2,5 l	4
161881.1714	5 l	4
161881.0616	25 l	
161881.0619	200 l	

Acetonitrile-D3 deuteration degree min. 99,95% (NMR) PAI

CD_3CN
M: 44,05 CAS: 2206-26-0 EINECS: 218-616-5 NC: 2845 90 10 UN: 1648
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn **R: 11-20/21/22-36 S: 16-36/37**
1l~0,84kg 1kg~1,19l
SPECIFICATIONS:
Deuteration degree min. ..... 99,95 %
NMR suitability ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Water (H_2O+D_2O) ..... 0,02 %

Order code	Package	Units/Box st.
745842.02130	10 x 0,75 ml	6

Acetonitrile-D3 deuteration degree min. 99,8% (NMR) PAI

CD_3CN
M: 44,05 CAS: 2206-26-0 EINECS: 218-616-5 NC: 2845 90 10 UN: 1648
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn **R: 11-20/21/22-36 S: 16-36/37**
1l~0,84kg 1kg~1,19l
SPECIFICATIONS:
Deuteration degree min. ..... 99,8 %
NMR suitability ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Water (H_2O+D_2O) ..... 0,03 %

Order code	Package	Units/Box st.
745841.02130	10 x 0,75 ml	6
745841.1605	10 ml	6

Acetonitrile-D3 deuteration degree min. 99,5% (NMR) PAI

CD_3CN
M: 44,05 CAS: 2206-26-0 EINECS: 218-616-5 NC: 2845 90 10 UN: 1648
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn **R: 11-20/21/22-36 S: 16-36/37**
1l~0,84kg 1kg~1,19l
SPECIFICATIONS:
Deuteration degree min. ..... 99,5 %
NMR suitability ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Water (H_2O+D_2O) ..... 0,05 %

Order code	Package	Units/Box st.
745840.1605	10 ml	6
745840.1606	25 ml	6

Acetophenone (F.C.C.) ADITIO

C_8H_8O
M: 120,15 CAS: 98-86-2 EINECS: 202-708-7 NC: 2914 39 00
HAZARDOUS:
Xn **R: 22-36 S: 26 CE: 606-042-00-1**
1l~1,03kg 1kg~0,97l
SPECIFICATIONS:
Assay (C_8H_8O) (G.C.), not less than ..... 98,0 %
Solidification Point, not less than ..... 19°C
IR ..... p/t.
Insoluble matter in 50% ethanol ..... p/t.
Chlorinated compounds ..... p/t.
Density 1,025-1,028
Refractive Index 1,533-1,535
Specifications F.C.C. 6

Order code	Package	Units/Box st.
204333.1214	5 l	4
204333.0716	25 l	

Acetophenone, 98% PS

C_8H_8O
M: 120,15 CAS: 98-86-2 EINECS: 202-708-7 NC: 2914 39 00
HAZARDOUS:
Xn **R: 22-36 S: 26 CE: 606-042-00-1**
1l~1,03kg 1kg~0,97l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 25/4 1,025-1,028
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
164333.1608	100 ml	6
164333.1611	1000 ml	6

Acetophenone-4-Carboxylic Acid

(see 4-Acetylbenzoic Acid)

p-Acetotoluide

(see 4'-Methylacetanilide)

p-Acetotoluidide

(see 4'-Methylacetanilide)

2-Acetoxybenzoic Acid

(see Acetylsalicylic Acid)

4-Acetoxybenzoic Acid, 99% PS

$C_9H_8O_4$
M: 180,16 CAS: 2345-34-8 EINECS: 219-066-9 NC: 2918 22 00
HAZARDOUS:
Xi **R: 36/37/38 S: 26-36**
SPECIFICATIONS:
Minimum assay (Acidim.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 191-194°C

Order code	Package	Units/Box st.
15A668.0914	5 kg	

Acetoxy Bromide

(see Acetyl Bromide)

Acetylacetone

(see 2,4-Pentanedione)

Acetylbenzene
(see Acetophenone)

4-Acetylbenzoic Acid, 98% PS
$C_9H_8O_3$
M: 164,16 CAS: 586-89-0 EINECS: 209-588-5 NC: 2918 30 00
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B992.1603	1 g	6
15B992.1604	5 g	6

Acetyl Bromide, 98% PS
C_2H_3BrO
M: 122,96 CAS: 506-96-7 EINECS: 208-061-7 NC: 2915 90 80 UN: 1716
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
C
R: 14-34 S: 9-26-36/37/39-45
1l~1,655kg 1kg~0,604l
SPECIFICATIONS:
Minimum assay ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,650-1,660

Order code	Package	Units/Box st.
15A657.1608	100 ml	6

N-Acetyl-4-Bromoaniline
(see 4-Bromoacetanilide)

1-Acetyl-3-Bromobenzene
(see 3'-Bromoacetophenone)

1-Acetyl-4-Bromobenzene
(see 4'-Bromoacetophenone)

Acetyl Chloride (Reag. USP, Ph. Eur.) PA-ACS
C_2H_3ClO
M: 78,50 CAS: 75-36-5 EINECS: 200-865-6 NC: 2812 10 99 UN: 1717
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 306 CAO: 308
HAZARDOUS:
F C
R: 11-14-34 S: 9-16-26-45 CE: 607-011-00-5
1l~1,104kg 1kg~0,906l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98,5 %
Identity ..... IR p/t.
Density at 20/4 1,103-1,105
Boiling range (>94% dist.) ..... 49-53°C
MAXIMUM LIMIT OF IMPURITIES
APHA colour 20
Insoluble matter in H_2O ..... 0,0025 %
Non-volatile matter ..... 0,005 %
Phosphate (PO_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,00001 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

Order code	Package	Units/Box st.
132096.1609	250 ml	6

Acetyl Chloride, 98% PS
C_2H_3ClO
M: 78,50 CAS: 75-36-5 EINECS: 200-865-6 NC: 2812 10 99 UN: 1717
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 306 CAO: 308
HAZARDOUS:
F C
R: 11-14-34 S: 9-16-26-45 CE: 607-011-00-5
1l~1,104kg 1kg~0,906l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,103-1,105

Order code	Package	Units/Box st.
162096.1610	500 ml	6
162096.1611	1000 ml	6
162096.2216	25 l	

Acetylcholine Chloride (USP) PRS-CODEX
$C_7H_{16}ClNO_2$
M: 181,66 CAS: 60-31-1 EINECS: 200-468-8 NC: 2923 90 00
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
SPECIFICATIONS:
Assay calc. a.d.s. ..... 98,0-102,0 %
Assay (Arg.) (as Cl) ..... 19,3-19,8 %
Identity according to Pharmacopoeias ..... p/t.
Melting range ..... 149-152°C
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 105°C ..... 1,0 %
Residue on ignition ..... 0,2 %
Acidity ..... p/t.
Organic volatile impurities ..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
145655.1608	100 g	6

Acetylcholine Chloride, 98% PS
$C_7H_{16}ClNO_2$
M: 181,66 CAS: 60-31-1 EINECS: 200-468-8 NC: 2923 90 00
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
155655.1608	100 g	6
155655.1610	500 g	6

N-Acetyl-L-Cysteine, 98% PS
$C_5H_9NO_3S$
M: 163,19 CAS: 616-91-1 EINECS: 210-498-3 NC: 2930 90 16
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A167.1605	10 g	6
15A167.1607	50 g	6

Acetylene Tetrabromide
(see 1,1,2,2-Tetrabromoethane)

Acetylene Tetrachloride
(see 1,1,2,2-Tetrachloroethane)

2-Acetylmesitylene
(see 2',4',6'-Trimethylacetophenone)

2-Acetyl-6-Methoxynaphthalene, 98% PS
$C_{13}H_{12}O_2$
M: 200,24 CAS: 3900-45-6 EINECS: 223-453-8 NC: 2914 50 00
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B558.1604	5 g	6
15B558.1606	25 g	6

4-Acetylphenol
(see 4-Hydroxyacetophenone)

Acetylsalicylic Acid (RFE, BP, Ph. Eur.) PRS-CODEX
$CH_3COOC_6H_4COOH$
M: 180,16 CAS: 50-78-2 EINECS: 200-064-1 NC: 2918 22 00
HAZARDOUS:
Xn
R: 22
SPECIFICATIONS:
Assay (Acidim.) calc. a.d.s. 99,5-101,0%
Identity according to Pharmacopoeias ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in Na_2CO_3 ..... p/t.
Insoluble matter in C_2H_5OH ..... p/t.
Loss on drying (P_2O_5) ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Related Substances (HPLC) ..... 0,1 %
Salicylic Acid ($C_7H_6O_3$) ..... 0,05 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,04 %
Heavy metals (as Pb) ..... 0,002 %

Order code	Package	Units/Box st.
141012.1210	500 g	6
141012.1211	1000 g	6
141012.0914	5 kg	

Acetylsalicyloyl Chloride, 98% PS

$C_9H_7ClO_3$

M: 198,61 CAS: 5538-51-2 EINECS: 226-899-1 NC: 2918 23 90 UN: 1759
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C

R: 34 S: 26-27-36/37/39

SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A140.1604	5 g	6
15A140.1606	25 g	6

Acid Black 1
(see Amido Black 10B)

Acid Blue 1
(see Disulphine Blue)

Acid Blue 9
(see Brilliant Blue FCF)

Acid Blue 22
(see Aniline Blue WS)

Acid Blue 74
(see Indigo Carmine)

Acid Blue 83
(see Coomassie Brilliant Blue R 250)

Acid Blue 90
(see Coomassie Brilliant Blue G 250)

Acid Green 1
(see Naphthol Green B)

Acid Green 50
(see Lissamine Green B)

Acidimetric Liquor titrated RV
for determination of acidity in milk. 1 ml corresponds to 0,01g of lactic acid (=1° Dornic)

NC: 3822 00 00
1l~1,006kg 1kg~0,994l
SPECIFICATIONS:
Sodium Hydroxide.....0,111 mol/l
Titer .....1,000±0,005

Order code	Package	Units/Box st.
281384.1211	1000 ml	6
281384.1212	2,5 l	4
281384.1214	5 l	4

Acidimetric Liquor titrated RV
for determination of oils and fats acidity. 1 ml corresponds to 0,028245 g of oleic acid

NC: 3822 00 00 UN: 1719
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:

Xi

R: 36/38 S: 26

1l~1,002kg 1kg~0,998l
Composition:
Potassium Hydroxide 50% w/w.....1,4 g
Water s.q.m .....100 ml

Order code	Package	Units/Box st.
281380.1211	1000 ml	6

Acidimetric Liquor titrated RV
for determination of oils and fats acidity in comercial grades. For 10 g of oil, 1 ml corresponds to 1° of acidity (=0,1 g of oleic acid)

NC: 3822 00 00 UN: 1719
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:

Xi

R: 36/38 S: 26

1l~1,010kg 1kg~0,990l
Composition:
Sodium Hydroxide 50% w/w .....2,06 ml
Water s.q.m .....100 ml

Order code	Package	Units/Box st.
281381.1211	1000 ml	6

Acid Orange 7
(see Orange II)

Acid Orange 10
(see Orange G)

Acid Orange 52
(see Methyl Orange)

Acid Red 2
(see Methyl Red)

Acid Red 27
(see Amaranth)

Acid Red 51
(see Erythrosin B)

Acid Red 66
(see Biebrich Scarlet)

Acid Red 87
(see Eosin Yellowish)

Acid Red 91
(see Eosin Bluish)

Acid Red 92
(see Phloxine B)

Acid Red 94
(see Rose Bengal)

Acid Red 112
(see Ponceau S)

Acid Violet 19
(see Fuchsin Acid)

Acid Yellow 23
(see Tartrazine)

Acid Yellow 36
(see Metanil Yellow)

Acid Yellow 73
(see Fluorescein Sodium)

Acridine Orange (C.I. 46005) DC
for microscopy, fluorescent staining

$C_{17}H_{20}ClN_3.½ZnCl_2$

M: 369,94 CAS: 10127-02-3 EINECS: 233-353-6 NC: 3204 13 00
SPECIFICATIONS:
Identity.....IR p/t.
λ of max. ABS in H_2O ..... 489-493 nm
A 1%; 1 cm. λmax.....>950
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C..... 5 %

Order code	Package	Units/Box st.
252321.1605	10 g	6
252321.1606	25 g	6

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Acrylamide PB

for electrophoresis
C_3H_5NO
M: 71,08 CAS: 79-06-1 EINECS: 201-173-7 NC: 2924 19 00 UN: 2074
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:
T
R: 45-46-20/21-25-36/38-43-E48/23/24/25-62 S: 53-45
CE: 616-003-00-0
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Melting range ..... 84-86°C
MAXIMUM LIMIT OF IMPURITIES
Conductivity (5% aq. sol. 20°C) ..... 10 uS/cm
Insoluble matter in H_2O ..... 0,005 %
Residue on ignition (as SO_4) ..... 0,01 %
ABS at λ290 nm 1% sol. in H_2O 0,1
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,001 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
373309.1208	100 g P	6
373309.1209	250 g P	6

Acrylamide, 99% PS

C_3H_5NO
M: 71,08 CAS: 79-06-1 EINECS: 201-173-7 NC: 2924 19 00 UN: 2074
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:
T
R: 45-46-20/21-25-36/38-43-E48/23/24/25-62 S: 53-45
CE: 616-003-00-0
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 84-86°C

Order code	Package	Units/Box st.
163309.1208	100 g P	6
163309.1210	500 g P	6

Acrylic Acid, 99% stabilized with hydroquinone monomethyl ether PS

$C_3H_4O_2$
M: 72,06 CAS: 79-10-7 EINECS: 201-177-9 NC: 2916 11 00 UN: 2218
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
C N
R: 10-20/21/22-35-50 S: 26-36/37/39-45-61 CE: 607-061-00-8
1l~1,051kg 1kg~0,951
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,049-1,051
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
15A673.1610	500 ml	6
15A673.1611	1000 ml	6

Acrylic Acid Methyl Ester

(see Methyl Acrylate)

Acrylic Acid Nitrile

(see Acrylonitrile)

Acrylonitrile, 99% stabilized with hydroquinone mono-methyl ether PS

C_3H_3N
M: 53,06 CAS: 107-13-1 EINECS: 203-466-5 NC: 2926 10 00 UN: 1093
IMDG: 3/I ADR: 3/I IATA: 3/I PAX: P CAO: 303
HAZARDOUS:
F T N
R: 45-11-E23/24/25-37/38-41-43-51/53
S: 9-16-53-45-61 CE: 608-003-00-4
1l~0,806kg 1kg~1,241l
SPECIFICATIONS:
Minimum assay (v/v) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,804-0,808
Water (H_2O) ..... 0,5 %

Order code	Package	Units/Box st.
15A701.0308	100 ml A	6
15A701.0311	1000 ml A	6

Actidione

(see Cycloheximide)

Adamantane, 98% PS

$C_{10}H_{16}$
M: 136,24 CAS: 281-23-2 EINECS: 206-001-4 NC: 2902 19 80
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B669.1606	25 g	6
15B669.1608	100 g	6
15B669.1611	1000 g	6

1-Adamantanol, 99% PS

$C_{10}H_{16}O$
M: 152,24 CAS: 768-95-6 EINECS: 212-202-8 NC: 2906 19 00
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B530.1604	5 g	6
15B530.1606	25 g	6

2-Adamantanone, 98% PS

$C_{10}H_{14}O$
M: 150,22 CAS: 700-58-3 EINECS: 211-847-2 NC: 2914 29 00
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B559.1604	5 g	6
15B559.1606	25 g	6
15B559.1608	100 g	6

Adams Catalyst

(see Platinum(IV) Oxide x-hydrate)

Adipic Acid (USP, BP, Ph. Eur.) PRS-CODEX

$(CH_2CH_2COOH)_2$
M: 146,14 CAS: 124-04-9 EINECS: 204-673-3 NC: 2917 12 10
HAZARDOUS:
Xi
R: 36 CE: 607-144-00-9
SPECIFICATIONS:
Assay (Acidim.) calc. a.d.s. ..... 99,0-101,0 %
Identity according to Pharmacopoeias ..... p/t.
Melting range ..... 151-154°C
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,05 %
Loss on drying at 105°C ..... 0,2 %
Residue on ignition (as SO_4) ..... 0,1 %
Nitrate (NO_3) ..... 0,003 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Related substances:
individual ..... 0,1 %
total ..... 0,5 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0002 %
Cu ..... 0,002 %
Fe ..... 0,001 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
142342.1211	1000 g P	6
142342.0914	5 kg PP	
142342.0416	25 kg PP	

Adipic Acid (E-355, F.C.C.) ADITIO

$(CH_2CH_2COOH)_2$

M: 146,14 CAS: 124-04-9 EINECS: 204-673-3 NC: 2917 12 10

HAZARDOUS:

Xi

R: 36 CE: 607-144-00-9

SPECIFICATIONS:

Assay (as $C_6H_{10}O_4$) calc. a.d.s 99,6-101,0%
Heavy metals (as Pb), not more than ..... 10 ppm
Melting range ..... 151,5-154,0°C
Residue on ignition, not more than ..... 0,002 %
Water, not more than ..... 0,2 %
Arsenic, not more than ..... 3 ppm
Mercury, not more than ..... 1 ppm
Lead, not more than ..... 2 ppm
Specifications Dir. 2008/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
202342.0914	5 kg PP	

Adipic Acid, 99% PS

$(CH_2CH_2COOH)_2$

M: 146,14 CAS: 124-04-9 EINECS: 204-673-3 NC: 2917 12 10

HAZARDOUS:

Xi

R: 36 CE: 607-144-00-9

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 150-153°C

Order code	Package	Units/Box st.
152342.1208	100 g P	6
152342.1210	500 g P	6

Adipic Acid Chloride

(see Adipoyl Chloride)

Agar (prepared for Microbiology)

(see chapter CULTIMED products)

Agar (USP) PRS-CODEX

CAS: 9002-18-0 EINECS: 232-658-1 NC: 1302 31 00

SPECIFICATIONS:

Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 1,0 %
Residue on ignition (as SO_4) a.d.s ..... 6,5 %
Residue on ignition (insol. in acid) a.d.s ..... 0,5 %
Loss on drying at 105°C ..... 20,0 %
Water absorption ..... p/t.
Foreign starch ..... p/t.
Gelatine ..... p/t.
Foreign organic matter ..... 1,0 %
Residual solvents (Ph.Eur./USP) ..... p/t
Heavy metals (as Pb) ..... 0,004 %
Salmonella ..... p/t.
As ..... 0,0003 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141792.1208	100 g P	6
141792.1209	250 g P	6
141792.1211	1000 g P	6
141792.0914	5 kg PP	

Agar (E-406, F.C.C.) ADITIO

CAS: 9002-18-0 EINECS: 232-658-1 NC: 1302 31 00

SPECIFICATIONS:

Arsenic (as As), not more than ..... 3 ppm
Ash (Acid-Insoluble) calc. on the dried basis, not more than ..... 0,5 %
Ash (Total) calc. on the dried basis, not more than ..... 6,5 %
Insoluble matter, not more than ..... 1,0 %
Heavy metals (as Pb), not more than ..... 10 ppm
Lead, not more than ..... 5 ppm
Loss on drying, not more than ..... 20,0 %
Water absorption ..... p/t.
Gelatine and other protein ..... p/t.
Starch ..... p/t.
Cadmium, not more than ..... 1 ppm
Mercury, not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201792.0914	5 kg PP	

Agar, Bacteriological American Type (Ingredient) CULTIMED

Solidifying agent used in bacteriological culture media

CAS: 9002-18-0 EINECS: 232-658-1 NC: 1302 31 00

SPECIFICATIONS:

Gelling range 1,5% ..... 32-38°C
Melting range 1,5% gel ..... 80-95°C
Gel strength 1,5% (Nikan's Method) ..... 600-850 g/cm²
pH in gel 1,5% 6-7

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 20 %
Residue on ignition (as SO_4) ..... 6 %

Order code	Package	Units/Box st.
402303.1210	500 g P	6
402303.0914	5 kg PP	
402303.0416	25 kg	

Agar, Bacteriological European Type (Ingredient) CULTIMED

Solidifying agent used in bacteriological culture media

CAS: 9002-18-0 EINECS: 232-658-1 NC: 1302 31 00

SPECIFICATIONS:

Gelling range of 1,5% solution ..... 32-39,5°C
Melting range of 1,5% solution ..... 80-90°C
Gel strength of 1,5 % solution (Nikan's Method) ..... 800-1100 g/cm²
pH in gel of 1,5% solution 6,0-7,5

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 10 %
Residue on ignition (as SO_4) ..... 5 %

Order code	Package	Units/Box st.
402302.1210	500 g P	6
402302.0914	5 kg PP	
402302.0416	25 kg PP	

Agar, Purified (Ingredient) CULTIMED

for inmunodiffusion, electrophoresis and cell culture

CAS: 9002-18-0 EINECS: 232-658-1 NC: 1302 31 00

SPECIFICATIONS:

Melting range 1,5% gel ..... 80-95°C
Gel strength 1,5% (Nikan's Method) ..... 700-1200 g/cm²
pH in gel 1,5% 5,5-7,4
Loss on drying at 105°C ..... 10 %
Residue on ignition (as SO_4) ..... 5 %

Order code	Package	Units/Box st.
403904.1210	500 g P	6
403904.0914	5 kg PP	
403904.0416	25 kg	

Agar, Technical (Ingredient) CULTIMED

Solidifying agent used in bacteriological culture media

CAS: 9002-18-0 EINECS: 232-658-1 NC: 1302 31 00

SPECIFICATIONS:

Gel strength 1,5% (Nikan's Method) ..... 700-1100 g/cm²
pH in gel 1,5% 6,0-7,5

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 20 %
Residue on ignition (as SO_4) ..... 5 %

Order code	Package	Units/Box st.
401792.1210	500 g P	6
401792.0914	5 kg PP	
401792.0416	25 kg	

Agar Base (prepared for Microbiology)

(see chapter CULTIMED products)

AGAROSES

Agarose Type I standard PB

for immunodiffusion and electrophoresis

CAS: 9012-36-6 EINECS: 232-731-8 NC: 1302 39 00

SPECIFICATIONS:

Gelification range 1,5% ..... 39,5-42,5°C
Melting range 1,5% gel ..... 85,5-88,5°C
Electroendosmosis (-Mr) ..... ≤0,14
Gel strength 1% (Nikan's method) ..... ≥900 g/cm²
Gel strength 1,5% (Nikan's method) ..... ≥1200 g/cm²

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 10 %
Residue on ignition (as SO_4) ..... 0,6 %
Sulphate (SO_4) ..... 0,2 %
Turbidity 1% ..... ≤ 50 NP

Order code	Package	Units/Box st.
374113.1206	25 g	6
374113.1208	100 g	6
374113.1209	250 g	6

Agarose Type II EEO (-Mr): 0,09-0,13 PB

for immunodiffusion and electrophoresis

CAS: 9012-36-6 EINECS: 232-731-8 NC: 3913 90 00

SPECIFICATIONS:

Gelification range 1,5% ..... 34,5-37,5°C
Melting range 1,5% gel ..... 86,5-89,5°C
Electroendosmosis (-Mr) 0,09-0,13
Gel strength 1% (Nikan's method) ..... ≥1200 g/cm²
Gel strength 1,5% (Nikan's method) ..... ≥2500 g/cm²

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 7 %
Residue on ignition (as SO_4) ..... 0,5 %
Sulphate (SO_4) ..... 0,2 %
Turbidity 1% ..... ≤ 40 NP

Order code	Package	Units/Box st.
374114.1206	25 g	6
374114.1208	100 g	6
374114.1209	250 g	6

Agarose Type III EEO (-Mr): 0,16-0,19 PB

for immunodiffusion and electrophoresis

CAS: 9012-36-6 EINECS: 232-731-8 NC: 1302 39 00

SPECIFICATIONS:

Gelification range 1,5% ..... 34,5-37,5°C
Melting range 1,5% gel ..... 86,5-89,5°C
Electroendosmosis (-Mr) 0,16-0,19
Gel strength 1% (Nikan's method) ..... ≥1000 g/cm²
Gel strength 1,5% (Nikan's method) ..... ≥2000 g/cm²

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 7 %
Residue on ignition (as SO_4) ..... 0,5 %
Sulphate (SO_4) ..... 0,25 %
Turbidity 1% ..... ≤40 NP

Order code	Package	Units/Box st.
374115.1206	25 g	6
374115.1208	100 g	6
374115.1209	250 g	6

Agarose Type IV EEO (-Mr): 0,23-0,26 PB

for immunodiffusion and electrophoresis

CAS: 9012-36-6 EINECS: 232-731-8 NC: 1302 39 00

SPECIFICATIONS:

Gelification range 1,5% ..... 34,5-37,5°C
Melting range 1,5% gel ..... 86,5-89,5°C
Electroendosmosis (-Mr) 0,23-0,26
Gel strength 1% (Nikan's method) ..... ≥750 g/cm²
Gel strength 1,5% (Nikan's method) ..... ≥1000 g/cm²

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 7 %
Residue on ignition (as SO_4) ..... 1,1 %
Sulphate (SO_4) ..... 0,25 %
Turbidity 1% ..... ≤40 NP

Order code	Package	Units/Box st.
374116.1206	25 g	6
374116.1208	100 g	6
374116.1209	250 g	6

Agarose Type V EEO (-Mr): ≥0,3 PB

for immunodiffusion and electrophoresis

CAS: 9012-36-6 EINECS: 232-731-8 NC: 1302 39 00

SPECIFICATIONS:

Gelification range 1,5% ..... 34,5-37,5°C
Melting range 1,5% gel ..... 86,5-89,5°C
Electroendosmosis (-Mr) ..... ≥0,3
Gel strength 1% (Nikan's method) ..... ≥700 g/cm²
Gel strength 1,5% (Nikan's method) ..... ≥1100 g/cm²

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 7 %
Residue on ignition (as SO_4) ..... 1,5 %
Sulphate (SO_4) ..... 0,3 %
Turbidity 1% ..... ≤40 NP

Order code	Package	Units/Box st.
374117.1206	25 g	6
374117.1208	100 g	6
374117.1209	250 g	6

Agarose Type VI low melting point of gel PB

for immunodiffusion and electrophoresis

CAS: 9012-36-6 EINECS: 232-731-8 NC: 1302 39 00

SPECIFICATIONS:

Gelling range 1,5% ..... 24-29°C
Melting range 1,5% gel ..... ≤ 65,5°C
Electroendosmosis (-Mr) ..... ≤ 0,130
Gel strength 1% (Nikan's method) ..... ≥200 g/cm²
Gel strength 1,5% (Nikan's method) ..... ≥400 g/cm²

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 7 %
Residue on ignition (as SO_4) ..... 0,4 %
Sulphate (SO_4) ..... 0,15 %
Turbidity 1% ..... ≤ 40 NP

Order code	Package	Units/Box st.
374799.1206	25 g	6
374799.1208	100 g	6
374799.1209	250 g	6

Agarose Type VII low melting point of gel PB

for immunodiffusion and electrophoresis

CAS: 9012-36-6 EINECS: 232-731-8 NC: 1302 39 00

SPECIFICATIONS:

Gelling range 1,5% ..... 24-29°C
Melting range 1,5% gel ..... ≤ 65,5°C
Electroendosmosis (-Mr) ..... ≤ 0,130
Gel strength 1% (Nikan's Method) ..... ≥250 g/cm²
Gel strength 1,5% (Nikan's Method) ..... ≥500 g/cm²

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 7 %
Residue on ignition (as SO_4) ..... 0,3 %
Sulphate (SO_4) ..... 0,15 %
Turbidity 1% ..... ≤ 40 NP

Order code	Package	Units/Box st.
374800.1206	25 g	6
374800.1208	100 g	6
374800.1209	250 g	6

Agarose Type VIII very low melting point of gel PB

for immunodiffusion and electrophoresis

CAS: 9012-36-6 EINECS: 232-731-8 NC: 1302 39 00

SPECIFICATIONS:

Gelling range 1,5% ..... ≤ 17°C
Melting range 1,5% gel ..... ≤ 60°C
Electroendosmosis (-Mr) ..... ≤ 0,120
Gel strength 1% (Nikan's Method) ..... ≥100 g/cm²
Gel strength 1,5% (Nikan's Method) ..... ≥350 g/cm²

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 7 %
Residue on ignition (as SO_4) ..... 0,3 %
Sulphate (SO_4) ..... 0,14 %
Turbidity 1% ..... ≤ 40 NP

Order code	Package	Units/Box st.
374801.1206	25 g	6
374801.1208	100 g	6
374801.1209	250 g	6

Aquametric

Reactivos de Karl Fischer exentos de piridina
Karl Fischer reagents pyridine free
Réactifs de Karl Fischer sans pyridine

Agarose Type IX extra low melting point of gel PB

for immunodiffusion and electrophoresis

CAS: 9012-36-6 EINECS: 232-731-8 NC: 1302 39 00

SPECIFICATIONS:

Gelling range 1,5% ..... ≤ 13°C
Melting range 1,5% gel ..... ≤ 60°C
Electroendosmosis (-Mr) ..... ≤ 0,120
Gel strength 1% (Nikan's Method) ..... ≥ 60 g/cm²
Gel strength 1,5% (Nikan's Method) ..... ≥300 g/cm²

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 7 %
Residue on ignition (as SO_4) ..... 0,35 %
Sulphate (SO_4) ..... 0,1 %
Turbidity 1% ..... ≤ 40 NP

Order code	Package	Units/Box st.
374802.1206	25 g	6
374802.1208	100 g	6
374802.1209	250 g	6

Agarose Type BM V PB

for biochemistry and molecular biology

CAS: 9012-36-6 EINECS: 232-731-8 NC: 1302 39 00

SPECIFICATIONS:

Gelling range 1,5% ..... 34,5-37,5°C
Melting range 1,5% gel ..... 86-90°C
Electroendosmosis (-Mr) ..... ≤0,120
Gel strength 1% (Nikan's method) ..... ≥1800 g/cm²
Gel strength 1,5% (Nikan's method) ..... ≥3200 g/cm²

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 7 %
Residue on ignition (as SO_4) ..... 0,25 %
Sulphate (SO_4) ..... 0,12 %
Turbidity 1,5% ..... ≤40 NP
Suitability for DNA fragments separation ..... p/t.
Background Fluorescence ..... p/t.
Inhibitors to restriction enzymes and ligases ..... p/t.
DNases - RNases ..... p/t.

Order code	Package	Units/Box st.
374798.1206	25 g	6
374798.1208	100 g	6
374798.1209	250 g	6

Agarose Type SD 4 PB

for DNA fragment separation

CAS: 9012-36-6 EINECS: 232-731-8 NC: 1302 39 00

SPECIFICATIONS:

Gelling range 3% ..... 24-28°C
Melting range 3% gel ..... ≤ 72°C
Electroendosmosis (-Mr) ..... ≤ 0,120
Gel strength 3% (Nikan's Method) ..... ≥200 g/cm²
Gel strength 5% (Nikan's Method) ..... ≥300 g/cm²

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 7 %
Residue on ignition (as SO_4) ..... 0,3 %
Sulphate (SO_4) ..... 0,1 %

Order code	Package	Units/Box st.
374805.1206	25 g	6
374805.1208	100 g	6
374805.1209	250 g	6

Agarose Type SD 8 PB

for DNA fragment separation

CAS: 9012-36-6 EINECS: 232-731-8 NC: 1302 39 00

SPECIFICATIONS:

Gelling range 1,5% ..... ≤ 35,5°C
Melting range 1,5% gel ..... ≤ 80°C
Electroendosmosis (-Mr) ..... ≤ 0,120
Gel strength 1,5% (Nikan's Method) ..... ≥ 750 g/cm²
Gel strength 3% (Nikan's Method) ..... ≥1500 g/cm²

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 7 %
Residue on ignition (as SO_4) ..... 0,35 %
Sulphate (SO_4) ..... 0,1 %

Order code	Package	Units/Box st.
374804.1206	25 g	6
374804.1208	100 g	6
374804.1209	250 g	6

Agarose Type SD 12 PB

for DNA fragment separation

CAS: 9012-36-6 EINECS: 232-731-8 NC: 1302 39 00

SPECIFICATIONS:

Gelling range 1,5% ..... ≤ 63,5°C
Gelling range 4% ..... ≤ 40,5°C
Melting range 1,5% gel ..... ≤ 89°C
Melting range 4% gel ..... ≤ 93°C
Electroendosmosis (-Mr) ..... ≤ 0,120
Gel strength 1% (Nikan's Method) ..... ≥2000 g/cm²
Gel strength 4% (Nikan's Method) ..... ≥4250 g/cm²
Approximated separation range
(in buffer 1X TAE)
2% ..... 500-1500 bp
4% ..... 150-600 bp

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 7 %
Residue on ignition (as SO_4) ..... 0,35 %
Sulphate (SO_4) ..... 0,1 %
Suitability for DNA fragments separation ..... p/t.
Background Fluorescence ..... p/t.
DNases and RNases ..... p/t.

Order code	Package	Units/Box st.
374803.1206	25 g	6
374803.1208	100 g	6
374803.1209	250 g	6

AIP

(see Aluminium Isopropylate)

D-Alanine, 98% PS

$C_3H_7NO_2$

M: 89,09 CAS: 338-69-2 EINECS: 206-418-1 NC: 2922 49 20

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A476.1606	25 g	6

L-Alanine PB

$CH_3CH(NH_2)COOH$

M: 89,09 CAS: 56-41-7 EINECS: 200-273-8 NC: 2922 49 95

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99,0 %
Identity ..... IR p/t.
T.L.C ..... p/t.
Specific rot. $[\alpha]^{20}/D$ c=10
(in HCl 6 mol/l) ..... +13,7 to +15,1°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,05 %
Loss on drying at 105°C ..... 0,2 %
Residue on ignition (as SO_4) ..... 0,05 %
ABS at λ260 nm 1 mol/l sol. in water 0,1
ABS at λ280 nm 1 mol/l sol. in water 0,1
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00015 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
372043.1208	100 g	6

PANREAC SINTESIS

Intermedios para síntesis
Synthesis intermediates
Intermédiaires de synthèse

L-Alanine (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$CH_3CH(NH_2)COOH$

M: 89,09 CAS: 56-41-7 EINECS: 200-273-8 NC: 2922 49 95

SPECIFICATIONS:

Assay (Perchl. Ac.) calc. a.d.s. 98,5-101,0%
Identity according to Pharmacopoeias .... p/t.
T.L.C. .... p/t.
Specific rotation $[\alpha]^{20}$/D c=10 (in HCl 6 mol/l) calc. a.d.s. ....+13,7 to+15,1°
pH of 5% solution 5,5-7,0

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution .... p/t.
Insoluble matter in H_2O.... p/t.
Loss on drying at 105°C.... 0,2 %
Residue on ignition (as SO_4).... 0,1 %
Residual solvents (Ph.Eur./USP).... p/t.
Chloride (Cl).... 0,02 %
Sulphate (SO_4) .... 0,03 %
Ammonium (NH_4) .... 0,02 %
Heavy metals (as Pb).... 0,001 %
As .... 0,00015 %
Cu .... 0,001 %
Fe.... 0,001 %
Ni .... 0,001 %
Pb .... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142043.1208	100 g	6

L-Alanine (F.C.C.) ADITIO

$CH_3CH(NH_2)COOH$

M: 89,09 CAS: 56-41-7 EINECS: 200-273-8 NC: 2922 49 95

SPECIFICATIONS:

Assay (as $C_3H_7NO_2$) calc. a.d.s 98,5-101,5%
Lead, not more than .... 5 ppm
Loss on drying, not more than .... 0,3 %
Residue on ignition, not more than .... 0,2 %
Specific rotation $[\alpha]^{20}$/D calc. a.d.s. ....+13,5 to +15,5°
Specifications F.C.C. 6

Order code	Package	Units/Box st.
202043.1210	500 g	6

L-Alanine, 99% PS

$CH_3CH(NH_2)COOH$

M: 89,09 CAS: 56-41-7 EINECS: 200-273-8 NC: 2922 49 95

SPECIFICATIONS:

Minimum assay .... 99 %

Order code	Package	Units/Box st.
162043.1206	25 g	6
162043.1208	100 g	6

DL-Alanine PRS

$CH_3CH(NH_2)COOH$

M: 89,09 CAS: 302-72-7 EINECS: 206-126-4 NC: 2922 49 95

SPECIFICATIONS:

Assay (Perchl. Ac.).... 99 %
Identity....IR p/t.
Insoluble matter in H_2O.... 0,05 %
Loss on drying at 105°C.... 0,5 %
Residue on ignition (as SO_4).... 0,1 %
Chloride (Cl).... 0,01 %
Sulphate (SO_4) .... 0,01 %
Ammonium (NH_4) .... 0,02 %
Heavy metals (as Pb).... 0,001 %
As .... 0,00015 %
Cu .... 0,001 %
Fe.... 0,001 %
Ni .... 0,001 %
Pb .... 0,001 %

Order code	Package	Units/Box st.
142035.1208	100 g	6
142035.0914	5 kg	

Alcian Blue 8 GX (C.I. 74240) DC

for histology. Certified by the Biological Stain Comission

$C_{56}H_{68}Cl_4CuN_{16}S_4$

M: 1298,88 CAS: 33864-99-2 EINECS: 278-333-8 NC: 3204 16 00

SPECIFICATIONS:

Identity....IR p/t.
λ of max. ABS in H_2O .... 615-619 nm
A 1%; 1 cm; λmax....>200
Ratio λmax. P±15 nm.... 0,95-1,05

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C.... 15 %

Order code	Package	Units/Box st.
254584.1604	5 g	6
254584.1606	25 g	6

Alcohol-Acetone 7:3 DC

for microscopy, bleacher according to Gram (see also Kit for Staining Gram-Hucker)

NC: 3822 00 00 UN: 1993

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xi **R: 11-36-66-67 S: 9-16-26**

1l~0,795kg 1kg~1,258l

Composition:
Ethanol absolute....70 ml
Acetone ....30 ml

Order code	Package	Units/Box st.
251803.1209	250 ml	6
251803.1210	500 ml	6
251803.1211	1000 ml	6

Alcohol Diacetone

(see 4-Hydroxy-4-Methyl-2-Pentanone)

Alcohol:Ether 1:1

(see Ethanol-Diethyl Ether 1:1)

Alcohol-Hydrochloric 8:2 DC

for microscopy, according to Ziehl-Neelsen

NC: 3822 00 00 UN: 2924

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xi **R: 11-36/37/38 S: 7-16-26-45**

1l~0,890kg 1kg~1,124l

Composition:
Ethanol absolute....80 ml
Hydrochloric Acid 35% ....20 ml

Order code	Package	Units/Box st.
251804.1210	500 ml	6

Alizarin (C.I. 58000) PA

pH indicator 5,5 yellow; 6,8 red violet

$C_{14}H_8O_4$

M: 240,22 CAS: 72-48-0 EINECS: 200-782-5 NC: 3212 90 90

SPECIFICATIONS:

Identity....IR p/t.
λ_1 of max. ABS in NaOH 0,1 mol/l.... 564-568 nm
λ_2 of max. ABS in NaOH 0,1 mol/l.... 605-609 nm
A 1%, 1cm, λ_1 max....>625
A 1%, 1cm, λ_2 max....>525
T.L.C .... p/t.

MAXIMUM LIMIT OF IMPURITIES

pH transition interval:
yellow 5,5
red-violet 6,8
Insoluble matter in CH_3OH .... p/t.
Loss on drying at 135°C.... 5 %
Sensitivity as Al reagent .... p/t.

Order code	Package	Units/Box st.
121094.1606	25 g	6

Alizarin solution 0,1% RV

pH indicator 5,5 yellow; 6,8 red violet

$C_{14}H_8O_4$

M: 240,22 CAS: 72-48-0 NC: 3822 00 00 UN: 1993

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F **R: 10 S: 16**

1l~0,868kg 1kg~1,152l

Composition:
Alizarin....0,1 g
Ethanol absolute....74 ml
Water s.q.m ....100 ml

Order code	Package	Units/Box st.
281095.1208	100 ml	6

Alizarin Complexone

(see Alizarin-3-Methylamine-N,N-Diacetic Acid)

Alizarin-3-Methylamine-N,N-Diacetic Acid (Reag. Ph. Eur.) PA

for complexometry
$C_{19}H_{15}NO_8$
M: 385,33 CAS: 3952-78-1 EINECS: 223-544-2 NC: 2922 50 00
SPECIFICATIONS:
Identity.....IR p/t.
λ of max. ABS at pH 5,1..... 421-429 nm
A 1%, 1cm, λmax.....>110
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in NaOH ..... p/t.
Loss on drying at 135°C.....5 %
Sensitivity as Fluoride reagent ..... p/t.
Sensitivity as complexometric indicator..... p/t.

Order code	Package	Units/Box st.
122619.1603	1 g	6

Alizarin Red S (C.I. 58005) PA

pH and adsorption indicator 3,7 yellow; 5,2 purple red
$C_{14}H_7NaO_7S$
M: 342,26 CAS: 130-22-3 EINECS: 204-981-8 NC: 3204 12 00
SPECIFICATIONS:
Identity.....IR p/t.
λ_1 of max. ABS in NaOH 0,1 mol/l..... 553-558 nm
λ_2 of max. ABS in NaOH 0,1 mol/l..... 592-596 nm
T.L.C. ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
pH transition interval:
yellow 3,7
red-purple.....5,2
Insoluble matter in H_2O..... p/t.
Loss on drying at 135°C.....5 %
Sensitivity as Al reagent ..... p/t.

Order code	Package	Units/Box st.
121605.1605	10 g	6
121605.1607	50 g	6

Alizarinsulphonic Acid Sodium Salt

(see Alizarin Red S)

Alizarin Yellow GG (C.I. 14025) PA

pH indicator 10,0 light yellow; 12,0 grizzly yellow
$C_{13}H_8N_3NaO_5$
M: 309,22 CAS: 584-42-9 EINECS: 209-536-1 NC: 3204 16 00
SPECIFICATIONS:
Identity.....IR p/t.
λ of max. ABS in NaOH 0,1 mol/l..... 447-454 nm
A 1%, 1 cm, λmax.....>725
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
pH transition interval:
Light yellow 10,0
Grizzly yellow.....12,0
Insoluble matter in H_2O..... p/t.
Loss on drying at 135°C.....5 %

Order code	Package	Units/Box st.
121105.1605	10 g	6

Alizarin Yellow R (C.I. 14030) PA

pH indicator 1,9 red- 3,3 yellow; 10,1 yellow- 12,1 orange red
$C_{13}H_8N_3NaO_5$
M: 309,22 CAS: 2243-76-7 EINECS: 218-818-3 NC: 3204 16 00
SPECIFICATIONS:
Identity.....IR p/t.
λ of max. ABS in NaOH 0,1 mol/l..... 490-496 nm
A 1%, 1 cm, λmax.....>725
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
pH transition interval:
Yellow 10,1
Orange-red 12,1
Insoluble matter in H_2O..... p/t.
Loss on drying at 135°C.....10 %

Order code	Package	Units/Box st.
121106.1605	10 g	6

Alkaline Solution (Potassium Sodium Tartrate) 0,886 mol/l VINIKIT

for determination of reducing sugar in wine, according to Rebelein method (see also Rebelein's Kit)
NC: 3822 00 00 UN: 3266
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
C
R: 35 S: 26-37/39-45
1l~1,188kg 1kg~0,842l
Composition:
Sodium Hydroxide solution 50% w/w.....110 ml
Potassium Sodium Tartrate 4-hydrate.....250 g
Water s.q.m .....1 l

Order code	Package	Units/Box st.
624573.1209	250 ml	6

Alkylbenzyldimethylammonium Chloride (USP) CODEX

M: 354,0-360,0 CAS: 63449-41-2 EINECS: 264-151-6 NC: 3402 12 00
UN: 3259 IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:
C N
R: 21/22-34-50 S: 36/37/39-45-61 CE: 612-140-00-5
SPECIFICATIONS:
Assay (Iodom.) calc. a.a.s.....97,0-103,0 %
Identity according to Pharmacopoeias ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O..... p/t.
Residue on ignition.....2,0 %
Limit of foreign amines..... p/t.
Water (H_2O).....15,0 %
Ratio of alkyl components..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
191959.1211	1000 g	6

Alkylbenzyldimethylammonium Chloride, 98% PS

M: 354,0-360,0 CAS: 63449-41-2 EINECS: 264-151-6 NC: 3402 12 00
UN: 3259 IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:
C N
R: 21/22-34-50 S: 36/37/39-45-61 CE: 612-140-00-5
SPECIFICATIONS:
Minimum assay (Iodom.) calc. a.d.s.....98 %
Identity.....IR p/t.
Melting range.....29-34°C
Water (H_2O).....1-6 %

Order code	Package	Units/Box st.
161959.1210	500 g	6
161959.1211	1000 g	6

Alkylbenzyldimethylammonium Chloride QP

M: 354,0-360,0 CAS: 63449-41-2 EINECS: 264-151-6 NC: 3402 12 00
UN: 3259 IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:
C N
R: 21/22-34-50 S: 36/37/39-45-61 CE: 612-140-00-5
SPECIFICATIONS:
Assay (Iodom.).....97-103 %
Insoluble matter in H_2O..... p/t.
Residue on ignition (as SO_4) ..... 1 %
Water (H_2O).....5 %

Order code	Package	Units/Box st.
211959.1208	100 g	6
211959.1210	500 g	6
211959.0914	5 kg	

DERQUIM

Detergentes de laboratorio
Laboratory detergents
Détergents de laboratoire

Allantoin (BP, Ph. Eur.) PRS-CODEX

$C_4H_6N_4O_3$

M: 158,12 CAS: 97-59-6 EINECS: 202-592-8 NC: 2933 21 00

SPECIFICATIONS:

Assay (Acidim.) calc a.d.s. 98,5-101,0%
Identity according to Pharmacopoeias ..... p/t.
Specific rotation [α] 20/D c=0,5 (in H_2O) ..... -0,10 to +0,10°
pH of 0,5% solution 4,0-6,0

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Loss on drying at 105°C ..... 0,1 %
Residue on ignition (as SO_4) ..... 0,1 %
Acidity or alkalinity ..... p/t.
Related substances ..... p/t.
Reducing substances ..... p/t.
Chloride (Cl) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %

Order code	Package	Units/Box st.
145265.1211	1000 g	6
145265.0416	25 kg	

Allantoin, 98% PS

$C_4H_6N_4O_3$

M: 158,12 CAS: 97-59-6 EINECS: 202-592-8 NC: 2933 21 00

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
155265.1608	100 g	6
155265.1610	500 g	6

Allyl Alcohol, 99% PS

C_3H_6O

M: 58,08 CAS: 107-18-6 EINECS: 203-470-7 NC: 2905 29 10 UN: 1098
IMDG: 6.1/I ADR: 6.1/I IATA: 6.1 PAX: P CAO: P

HAZARDOUS:

T N **R: 10-23/24/25-36/37/38-50 S: 36/37/39-38-45-61**

CE: 603-015-00-6

1l~0,852kg 1kg~1,173l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,851-0,853
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
15A703.1611	1000 ml	6

4-Allylanisole, 98% PS

$C_{10}H_{12}O$

M: 148,21 CAS: 140-67-0 EINECS: 205-427-8 NC: 2909 30 90

HAZARDOUS:

Xn **R: 22-36/38 S: 20-28a**

1l~0,965kg 1kg~1,036l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A643.1608	100 ml	6

Allylmagnesium Chloride 2M in THF PS

C_3H_5ClMg

M: 100,84 CAS: 2622-05-1 EINECS: 220-067-1 NC: 2931 00 95 UN: 3399
IMDG: 4.3/II ADR: 4.3/II IATA: 4.3/- PAX: P CAO: P

HAZARDOUS:

F C **R: 11-14/15-34 S: 7/8-16-26-43c-45**

1l~0,995kg 1kg~1,005l

Order code	Package	Units/Box st.
15A188.1608	100 ml	6
15A188.1610	500 ml	6

N-Allylthiourea, 98% PS

$C_4H_8N_2S$

M: 116,19 CAS: 109-57-9 EINECS: 203-683-5 NC: 2930 90 85 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T **R: 25 S: 24/25-37-45**

SPECIFICATIONS:

Minimum assay ..... 98 %
Identity ..... IR p/t.
Melting range ..... 70-73 °C

Order code	Package	Units/Box st.
15A833.1207	50 g	6
15A833.1209	250 g	6

AlphaNitroso-BetaNaphtol

(see 1-Nitroso-2-Naphtol)

Alumina

(see Aluminium Oxide Basic)

Aluminium metal, powder PRS

Al

M: 26,98 CAS: 7429-90-5 EINECS: 231-072-3 NC: 7601 10 00 UN: 1396
IMDG: 4.3/II ADR: 4.3/II IATA: 4.3/II PAX: 415 CAO: 417

HAZARDOUS:

F **R: 11-15 S: 7/8-43f CE: 013-002-00-1**

SPECIFICATIONS:

Nitrogen compounds (as N) ..... 0,005 %
Fats ..... 1 %
Cu ..... 0,05 %
Fe ..... 1,0 %

Order code	Package	Units/Box st.
141098.1609	250 g	6
141098.1611	1000 g	6
141098.0914	5 kg	

ALUMINIUM SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Aluminium Ammonium Sulphate 12-hydrate PA-ACS

$NH_4Al(SO_4)_2.12H_2O$

M: 453,33 CAS: 7784-26-1 EINECS: 232-055-3 NC: 2833 30 00

SPECIFICATIONS:

Assay (Compl.) 99,0-102,0%
pH of 5% solution ..... ≥3,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 300°C ..... 48 %
Alkali and alkaline-earth salts ..... 0,3 %
Chloride (Cl) ..... 0,001 %
Phosphate (PO_4) ..... 0,0025 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00005 %
Ca ..... 0,05 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
K ..... 0,05 %
Na ..... 0,01 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
131102.1210	500 g	6
131102.1211	1000 g	6
131102.1214	5 kg	4
131102.0416	25 kg	

Aluminium Ammonium Sulphate 12-hydrate (USP) PRS-CODEX

$NH_4Al(SO_4)_2.12H_2O$

M: 453,33 CAS: 7784-26-1 EINECS: 232-055-3 NC: 2833 30 00

SPECIFICATIONS:

Assay (Compl.) calc. a.d.s 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution ..... ≥3,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,02 %
Loss on drying at 300°C ..... 45,0-48,0 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Alkali and alkaline-earth salts ..... 0,5 %
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0002 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Complies USP 29 specifications

Order code	Package	Units/Box st.
141102.1210	500 g	6
141102.1211	1000 g	6
141102.1214	5 kg	4
141102.0416	25 kg	

Aluminium Chloride anhydrous, 98% PS

$AlCl_3$

M: 133,34 CAS: 7446-70-0 EINECS: 231-208-1 NC: 2827 32 00 UN: 1726
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816

HAZARDOUS:

C

R: 34 S: 7/8-28a-45 CE: 013-003-00-7

SPECIFICATIONS:

Minimum assay (Arg.) ..... 98 %

Order code	Package	Units/Box st.
15A709.1608	100 g	6
15A709.1610	500 g	6

Aluminium Chloride 6-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$AlCl_3.6H_2O$

M: 241,45 CAS: 7784-13-6 EINECS: 231-208-1 NC: 2827 32 00

HAZARDOUS:

Xi

R: 36/38

SPECIFICATIONS:

Assay (Compl.) 95,0-101,0%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,02 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Sulphate (SO_4) ..... 0,01 %
Ammonium (NH_4) ..... 0,05 %
Water (H_2O) ..... 42,0-48,0 %
Alkali and alkaline-earth metals ..... 0,5 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0003 %
Cu ..... 0,002 %
Fe ..... 0,001 %
Ni ..... 0,002 %
Pb ..... 0,002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141097.1210	500 g	6
141097.1211	1000 g	6
141097.0914	5 kg	
141097.0416	25 kg	

Aluminium Hydroxide PRS

$Al(OH)_3$

M: 78,00 CAS: 21645-51-2 EINECS: 244-492-7 NC: 2818 30 00

SPECIFICATIONS:

Assay (Compl.) ..... 90 %
Loss on ignition ..... 32-35 %
As ..... 0,0003 %
Cu ..... 0,002 %
Fe ..... 0,01 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141812.1209	250 g	6
141812.1211	1000 g	6
141812.0914	5 kg	
141812.0416	25 kg	

Aluminium Hydroxide Silicate

(see Aluminium Silicate)

Aluminium Isopropylate, 98% PS

$C_9H_{21}AlO_3$

M: 204,25 CAS: 555-31-7 EINECS: 209-090-8 NC: 2905 19 00 UN: 3181
IMDG: 4.1/II ADR: 4.1/II IATA: 4.1/II PAX: 415 CAO: 417

HAZARDOUS:

F

R: 11 S: 8-16 CE: 603-042-00-3

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A314.1604	5 g	6
15A314.1608	100 g	6
15A314.1610	500 g	6

Aluminium Isopropoxide

(see Aluminium Isopropylate)

Aluminium Lithium Hydride

(see Lithium Aluminium Hydride)

Aluminium Nitrate 9-hydrate (Reag. Ph. Eur.) PA-ACS

$Al(NO_3)_3.9H_2O$

M: 375,13 CAS: 7784-27-2 EINECS: 236-751-8 NC: 2834 29 80 UN: 1438
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

HAZARDOUS:

O Xi

R: 8-36/38 S: 17

SPECIFICATIONS:

Assay (Compl.) 98,0-102,0%
pH of 5% solution ..... ≥2,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,005 %
Ammonium (NH_4) ..... 0,03 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,002 %
K ..... 0,002 %
Mg ..... 0,001 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131099.1210	500 g	6
131099.1211	1000 g	6

Aluminium Nitrate 9-hydrate PRS

$Al(NO_3)_3.9H_2O$

M: 375,13 CAS: 7784-27-2 EINECS: 236-751-8 NC: 2834 29 80 UN: 1438
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

HAZARDOUS:

O Xi

R: 8-36/38 S: 17

SPECIFICATIONS:

Assay (Compl.) 98,0-102,0%
pH of 5% solution 2,5-3,5
Insoluble matter in H_2O ..... 0,02 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
Ammonium (NH_4) ..... 0,05 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Ca ..... 0,02 %
Cu ..... 0,001 %
Fe ..... 0,01 %
K ..... 0,05 %
Mg ..... 0,005 %
Na ..... 0,01 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141099.1210	500 g	6
141099.1211	1000 g	6
141099.0914	5 kg	

Aluminium Nitrate/Cesium Chloride Buffer Solution

(see Buffer Solution Aluminium Nitrate/Cesium Chloride)

Aluminium Oxide Basic (Reag. Ph. Eur.) PA

for chromatography in column

Al_2O_3

M: 101,96 CAS: 1344-28-1 EINECS: 215-691-6 NC: 2818 20 00

SPECIFICATIONS:

pH of aqueous suspension 9-10

MAXIMUM LIMIT OF IMPURITIES

Loss on ignition ..... 8 %
Adsorption power ..... p/t.
Soluble matter in water ..... 0,5 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
Cu ..... 0,005 %
Fe ..... 0,005 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
121100.1210	500 g	6
121100.1211	1000 g	6

Aluminium Potassium Sulphate dry, powder QP

$AlK(SO_4)_2$

M: 258,24 CAS: 10043-67-1 EINECS: 233-141-3 NC: 2833 30 00

SPECIFICATIONS:

Assay [as $AlK(SO_4)_2$(Compl.)] ..... 70 %
pH of 5% solution 3,0-3,5
Insoluble matter in H_2O ..... 0,05 %
Chloride (Cl) ..... 0,1 %
Ammonium (NH_4) ..... 0,03 %
As ..... 0,0002 %
Cu ..... 0,005 %
Fe ..... 0,005 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
211087.1214	5 kg P	4
211087.0416	25 kg PP	

Aluminium Potassium Sulphate 12-hydrate PA-ACS

$AlK(SO_4)_2.12H_2O$

M: 474,39 CAS: 7784-24-9 EINECS: 233-141-3 NC: 2833 30 00

SPECIFICATIONS:

Assay (Compl.) 98,0-102,0%
pH of 5% solution ..... ≥3,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,0005 %
Phosphate (PO_4) ..... 0,0005 %
Ammonium (NH_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0002 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Mn ..... 0,0005 %
Na ..... 0,02 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131103.1210	500 g P	6
131103.1211	1000 g P	6
131103.1214	5 kg P	4
131103.0416	25 kg PP	

Aluminium Potassium Sulphate 12-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$AlK(SO_4)_2.12H_2O$

M: 474,39 CAS: 7784-24-9 EINECS: 233-141-3 NC: 2833 30 00

SPECIFICATIONS:

Assay (Compl.) 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
pH of 10% solution 3,0-3,5

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Loss on drying at 400°C ..... 43,0-46,0 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Chloride (Cl) ..... 0,01 %
Ammonium (NH_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0002 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141103.1210	500 g P	6
141103.1211	1000 g P	6
141103.1214	5 kg P	4
141103.0416	25 kg PP	

Aluminium Potassium Sulphate 12-hydrate (E-522, F.C.C.) ADITIO

$AlK(SO_4)_2.12H_2O$

M: 474,39 CAS: 7784-24-9 EINECS: 233-141-3 NC: 2833 30 00

SPECIFICATIONS:

Assay (as $AlK(SO_4)_2.12H_2O$) 99,5-100,5%
pH of 5% solution 3,0-4,0
Ammonium Salts ..... p/t.
Fluoride, not more than ..... 0,003 %
Selenium, not more than ..... 0,003 %
Arsenic, not more than ..... 3 ppm
Mercury, not more than ..... 1 ppm
Lead, not more than ..... 3 ppm
Specifications Dir. 2008/84/CE , F.C.C. 6

Order code	Package	Units/Box st.
201103.1214	5 kg P	4
201103.0416	25 kg PP	

Aluminium Silicate QP

CAS: 1318-74-7 EINECS: 215-286-4 NC: 2507 00 20

SPECIFICATIONS:

Assay (as SiO_2) ..... 48 %
Loss on drying at 110°C ..... 1 %

Order code	Package	Units/Box st.
211149.1208	100 g P	6
211149.1211	1000 g P	6

Aluminium Sulphate 18-hydrate PA-ACS

$Al_2(SO_4)_3.18H_2O$

M: 666,42 CAS: 7784-31-8 EINECS: 233-135-0 NC: 2833 22 00

SPECIFICATIONS:

Assay ..... 98,0-102,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter ..... 0,01 %
Appearance and colour of solution ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
Ca ..... 0,01 %
Fe ..... 0,002 %
K ..... 0,005 %
Mg ..... 0,002 %
Na ..... 0,02 %

Order code	Package	Units/Box st.
131101.1209	250 g P	6
131101.1211	1000 g P	6
131101.0914	5 kg PP	4
131101.0416	25 kg PP	

Aluminium Sulphate 18-hydrate PRS

$Al_2(SO_4)_3.18H_2O$

M: 666,42 CAS: 7784-31-8 EINECS: 233-135-0 NC: 2833 22 00

SPECIFICATIONS:

Assay (Compl.) ($Al_2(SO_4)_3$) ..... 51,0-59,0 %
pH of 2% solution 2,5-4,0

MAXIMUM LIMIT OF IMPURITIES

Alkali and alkaline-earth salts ..... 0,4 %
Chloride (Cl) ..... 0,05 %
Ammonium (NH_4) ..... 0,05 %
Heavy metals (as Pb) ..... 0,004 %
As ..... 0,0003 %
Cu ..... 0,002 %
Fe ..... 0,01 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141101.1210	500 g P	6
141101.1211	1000 g P	6
141101.0914	5 kg PP	
141101.0416	25 kg PP	

Aluminium Sulphate 18-hydrate (RFE, BP, Ph. Eur.) CODEX

$Al_2(SO_4)_3.18H_2O$

M: 666,42 CAS: 7784-31-8 EINECS: 233-135-0 NC: 2833 22 00

SPECIFICATIONS:

Assay (Compl.) ($Al_2(SO_4)_3$) ..... 51,0-59,0 %
Identity according to Pharmacopoeias ..... p/t.
pH of 2% solution 2,5-4,0

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t.
Alkali and alkaline-earth salts ..... 0,4 %
Chloride (Cl) ..... 0,05 %
Ammonium (NH_4) ..... 0,05 %
Heavy metals (as Pb) ..... 0,004 %
As ..... 0,0003 %
Cu ..... 0,002 %
Fe ..... 0,01 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
191101.1210	500 g P	6
191101.1211	1000 g P	6
191101.0914	5 kg PP	
191101.0416	25 kg PP	

Aluminium Sulphate 0,9 mol/l RV

ionic strength adjustor

$Al_2(SO_4)_3.18H_2O$

M: 666,42 CAS: 7784-31-8 EINECS: 233-135-0 NC: 2833 22 00

1l~1,305kg 1kg~0,766l

Composition:

Aluminium Sulphate 18-hydrate ..... 60,0 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
285316.1209	250 ml P	6

Aluminium Trichloride
(see Aluminium Chloride)

Alum Iron Ammonium saturated solution RV
indicator for determination of chloride according to Volhard
$NH_4Fe(SO_4)_2 .12H_2O$
M: 482,19 CAS: 7783-83-7 EINECS: 233-382-4 NC: 2833 30 00
1l~1,178kg 1kg~0,849l
Composition:
Ammonium Iron(III) Sulphate 12-hydrate.....50 g
Sulphuric Acid 96%.....0,1 ml
Water s.q.m .....100 ml

Order code	Package	Units/Box st.
281366.1209	250 ml	6

Amaranth (C.I. 16185) (Reag. USP) PA
$C_{20}H_{11}N_2Na_3O_{10}S_3$
M: 604,48 CAS: 915-67-3 EINECS: 213-022-2 NC: 3204 12 00
SPECIFICATIONS:
Identity.....IR p/t.
λ of max. ABS in H_2O ..... 520-522 nm
A 1%, 1 cm, λmax..... 300-500
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C..... 10 %

Order code	Package	Units/Box st.
124886.1606	25 g	6

Amido Black 10B (C.I. 20470) (Reag. Ph. Eur.) PA
redox indicator
$C_{22}H_{14}N_6Na_2O_9S_2$
M: 616,50 CAS: 1064-48-8 EINECS: 213-903-1 NC: 3204 12 00
SPECIFICATIONS:
Identity.....IR p/t.
λ of max. ABS in H_2O ..... 614-620 nm
A 1%, 1 cm, λmax.....>625
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 135°C..... 12 %

Order code	Package	Units/Box st.
122036.1606	25 g	6

Amido Black 10B (C.I. 20470) DC
for electrophoresis
$C_{22}H_{14}N_6Na_2O_9S_2$
M: 616,50 CAS: 1064-48-8 EINECS: 213-903-1 NC: 3204 12 00
SPECIFICATIONS:
Identity.....IR p/t.
λ of max. ABS in H_2O ..... 614-620 nm
A 1%, 1 cm, λmax.....>625
Ratio λmax, P± 15 nm..... 1,04-1,12
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 135°C..... 12 %

Order code	Package	Units/Box st.
252036.1606	25 g	6
252036.1608	100 g	6

Amido Black 10B Solution for the determination of protein content in milk PA
according to NF V 04-216 and ISO 5542:1984
NC: 3822 00 00
1l~1,007kg 1kg~0,993l
SPECIFICATIONS:
pH at 20°C..... 2,30-2,50
ABS at λ 620 nm 1% solution in H_2O..... 0,705-0,725

Order code	Package	Units/Box st.
126352.1214	5 l	4

Amidosulphonic Acid
(see Sulphamic Acid)

Aminoacetic Acid
(see Glycine)

4-Aminoantipyrine, 98% PS
$C_{11}H_{13}N_3O$
M: 203,25 CAS: 83-07-8 EINECS: 201-452-3 NC: 2933 11 90
HAZARDOUS:
Xn
R: 22
SPECIFICATIONS:
Assay.....98 %
Identity.....IR p/t.

Order code	Package	Units/Box st.
15A371.1208	100 g	6
15A371.1210	500 g	6

3'-Aminobenzanilide, 99% PS
$C_{13}H_{12}N_2O$
M: 212,25 CAS: 16091-26-2 EINECS: 240-254-1 NC: 2924 29 95
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity.....IR p/t.
Melting range..... 124-126°C

Order code	Package	Units/Box st.
15A641.1603	1 g	6
15A641.1605	10 g	6

4-Aminobenzenesulphonic Acid
(see Sulphanilic Acid)

2-Aminobenzoic Acid (Anthranilic Acid) (Reag. Ph. Eur.) PA
$C_7H_7NO_2$
M: 137,14 CAS: 118-92-3 EINECS: 204-287-5 NC: 2922 43 00
HAZARDOUS:
Xi
R: 36
SPECIFICATIONS:
Minimum assay (Acidim.).....99,5 %
Identity.....IR p/t.
Melting range..... 144-147°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in C_2H_5OH .....0,02 %
Loss on drying at 105°C.....1 %
Residue on ignition (as SO_4) .....0,1 %
Chloride (Cl).....0,05 %
Sulphate (SO_4) .....0,01 %
Cu .....0,001 %
Fe.....0,001 %
Ni .....0,001 %
Pb .....0,001 %

Order code	Package	Units/Box st.
122645.1208	100 g	6

2-Aminobenzoic Acid, 99% (Anthranilic Acid) PS
$C_7H_7NO_2$
M: 137,14 CAS: 118-92-3 EINECS: 204-287-5 NC: 2922 43 00
HAZARDOUS:
Xi
R: 36
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity.....IR p/t.
Melting range..... 144-147°C

Order code	Package	Units/Box st.
162645.1208	100 g	6
162645.1210	500 g	6

4-Aminobenzoic Acid, 99% PS
$C_7H_7NO_2$
M: 137,13 CAS: 150-13-0 EINECS: 205-753-0 NC: 2922 49 95
SPECIFICATIONS:
Assay.....99 %
Identity.....IR p/t.

Order code	Package	Units/Box st.
15B626.1209	250 g	6
15B626.1211	1000 g	6

2-Aminobenzothiazole, 97% PS
$C_7H_6N_2S$
M: 150,20 CAS: 136-95-8 EINECS: 205-268-4 NC: 2934 20 80
SPECIFICATIONS:
Assay.....97 %
Identity.....IR p/t.

Order code	Package	Units/Box st.
15B571.1208	100 g	6

S(+)-2-Amino-1-Butanol, 98% PS
$CH_3CH_2CH(NH_2)CH_2OH$
M: 89,14 CAS: 5856-62-2 EINECS: 202-488-2 NC: 2922 19 80 UN: 2735
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
C
R: 34 S: 26-36/37/39-45
1l~0,94kg 1kg~1,06l
SPECIFICATIONS:
Assay.....98 %
Identity.....IR p/t.

Order code	Package	Units/Box st.
15B747.1603	1 ml	6
15B747.1604	5 ml	6

S-2-Aminobutyramide Hydrochloride
(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

6-Aminocaproic Acid
(see 6-Aminohexanoic Acid)

2-Amino-5-Chlorobenzoic Acid, 98% PS
$C_7H_6ClNO_2$
M: 171,58 CAS: 635-21-2 EINECS: 211-230-8 NC: 2922 49 95
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B564.1604	5 g	6
15B564.1206	25 g	6

2-Amino-6-Chloropurine, 99% PS
$C_5H_4ClN_5$
M: 169,57 CAS: 10310-21-1 EINECS: 233-686-7 NC: 2933 59 95
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B568.1604	5 g	6

2-Amino-2',5-Dichlorobenzophenone, 99% PS
$C_{13}H_9Cl_2NO$
M: 266,13 CAS: 2958-36-3 EINECS: 220-985-2 NC: 2922 39 00
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B560.1205	10 g	6
15B560.1207	50 g	6

1-Amino-2,4-Difluorobenzene
(see 2,4-Difluoroaniline)

2-Aminoethanesulphonic Acid
(see Taurine)

2-Aminoethanol
(see Ethanolamine)

2-Amino-5-Fluorobenzoic Acid, 97% PS
$C_7H_6FNO_2$
M: 155,12 CAS: 446-08-2 EINECS: 207-159-7 NC: 2922 49 95
SPECIFICATIONS:
Assay ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B565.1503	1 g	6
15B565.1604	5 g	6

2-Aminoglutaric Acid
(see Glutamic Acid)

2(S)-Amino-5-Guanidinovaleric Acid
(see L-Arginine)

2-Amino-5-Guanidinopentanoic Acid
(see Arginine)

6-Aminohexanoic Acid (USP, BP, Ph. Eur.) PRS-CODEX
$C_6H_{13}NO_2$
M: 131,18 CAS: 60-32-2 EINECS: 200-469-3 NC: 2922 49 95
SPECIFICATIONS:
Assay (Percl. Ac.) calc. a.d.s. ..... 98,5-101,0 %
Identity according to Pharmacopoeias ..... p/t.
pH of 20% solution 7,5-8,0
T.L.C. ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Loss on drying at 105°C ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,1 %
Absorbance ..... p/t.
Heavy metals (as Pb) ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
14B764.1210	500 g	6

6-Aminohexanoic Acid, 99% PS
$C_6H_{13}NO_2$
M: 131,18 CAS: 60-32-2 EINECS: 200-469-3 NC: 2922 49 95
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B764.1208	100 g	6
15B764.1210	500 g	6

2-Amino-1-Hydroxybenzene
(see 2-Aminophenol)

4-Amino-1-Hydroxybenzene
(see 4-Aminophenol)

5-Amino-2-Hydroxybenzoic Acid, 97% PS
$C_7H_7NO_3$
M: 153,14 CAS: 89-57-6 EINECS: 201-919-1 NC: 2922 50 00
SPECIFICATIONS:
Minimum assay (Acidim.) ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A672.1208	100 g	6
15A672.1210	500 g	6

2-Amino-3-Hydroxybutyric Acid
(see Threonine)

2-Amino-2-Hydroxymethyl-1,3-Propanediol
(see Tris (Hydroxymethyl) Aminomethane)

1-Amino-2-Hydroxy-4-Naphthalenesulphonic Acid
(see 1-Amino-2-Naphthol-4-Sulphonic Acid)

(S)-2-Amino-3-(4-Hydroxyphenyl) Propionic Acid
(see L-Tyrosine)

2-Amino-3-Hydroxypropionic Acid
(see Serine)

2-Amino-3-(3-Indolyl) Propionic Acid
(see Tryptophan)

1-Amino-2-Iodobenzene
(see 2-Iodoaniline)

1-Amino-4-Iodobenzene
(see 4-Iodoaniline)

β-Amino Isobutyl Alcohol
(see 2-Amino-2-Methyl-1-Propanol)

2-Amino-3-Mercaptopropionic Acid
(see L-Cysteine)

Aminomethane
(see Methylamine)

2-Amino-6-Methoxybenzothiazole, 98% PS
$C_8H_8N_2OS$
M: 180,22 CAS: 1747-60-0 EINECS: 217-130-0 NC: 2934 20 80
HAZARDOUS:
Xn
R: 22
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B569.1606	25 g	6
15B569.1608	100 g	6

3-Aminomethylalizarin-N,N-Diacetic Acid
(see Alizarin-3-Methylamine-N,N-Diacetic Acid)

2-Amino-3-Methylbutyric Acid
(see Valine)

Aminomethylcyclopropane
(see Cyclopropylmethylamine)

2-Amino-4-(Methylmercapto)butyric Acid
(see Methionine)

(2S, 3S)-2-Amino-3-Methylpentanoic Acid
(see L-Isoleucine)

2(S)-Amino-4-Methylpentanoic Acid
(see L-Leucine)

2-Amino-2-Methylpropane
(see tert-Butylamine)

2-Amino-2-Methyl-1-Propanol, 95% PS
$C_4H_{11}NO$
M: 89,14 CAS: 124-68-5 EINECS: 204-709-8 NC: 2922 19 80
HAZARDOUS:
Xi
R: 36/38-52/53 S: 61 CE: 603-070-00-6
1l~0,93kg 1kg~1,08l
SPECIFICATIONS:
Assay ..... ~95 %
Identity ..... IR p/t.
Water (H_2O) ..... 0,5 %

Order code	Package	Units/Box st.
15A625.1610	500 ml	6
15A625.1611	1000 ml	6
15A625.1214	5 l	4

2-Amino-6-Methylpyridine, 98% PS
$C_6H_8N_2$
M: 108,14 CAS: 1824-81-3 EINECS: 217-360-1 NC: 2933 39 99 UN: 3143
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:
T
R: 25-36/37/38 S: 37-45
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A348.1604	5 g	6
15A348.1608	100 g	6
15A348.1610	500 g	6

1-Aminonaphthalene
(see 1-Naphthylamine)

1-Amino-2-Naphthol-4-Sulphonic Acid (Reag. USP) PA-ACS
for determination of phosphorus
$C_{10}H_9NO_4S$
M: 239,25 CAS: 116-63-2 EINECS: 204-147-3 NC: 2922 21 00
SPECIFICATIONS:
Minimum assay (Acidim.) ..... 98,0 %
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in Na_2CO_3 ..... p/t.
Residue on ignition ..... 0,1 %
Sulphate (SO_4) ..... 0,2 %
Sensitivity to phosphate ..... p/t.

Order code	Package	Units/Box st.
132670.1206	25 g	6

2-Amino-5-Nitrobenzoic Acid, 97% PS
$C_7H_6N_2O_4$
M: 182,14 CAS: 616-79-5 EINECS: 210-493-6 NC: 2922 49 95
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
SPECIFICATIONS:
Minimum assay ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A661.1604	5 g	6
15A661.1606	25 g	6

2-Amino-4-Nitrophenol, 98% PS
$C_6H_6N_2O_3$
M: 154,12 CAS: 99-57-0 EINECS: 202-767-9 NC: 2922 29 00
HAZARDOUS:
Xn
R: 36/37/38-40-68 S: 3-36/37/39-45
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B563.1605	10 g	6
15B563.1608	100 g	6

2-Amino-5-Nitrothiazole, 97% PS
$C_3H_3N_3O_2S$
M: 145,13 CAS: 121-66-4 EINECS: 204-490-9 NC: 2934 10 00
HAZARDOUS:
Xn
R: 20/21/22-40 S: 24/25-45
SPECIFICATIONS:
Assay ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A109.1606	25 g	6
15A109.1608	100 g	6

2-Amino-5-Nitrotoluene
(see 2-Methyl-4-Nitroaniline)

2-Aminophenol, 98% PS
C_6H_7NO
M: 109,13 CAS: 95-55-6 EINECS: 202-431-1 NC: 2922 29 00 UN: 2512
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:
Xn
R: 20/21/22-68 S: 28a-36/37 CE: 612-033-00-3
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A507.1608	100 g	6
15A507.1610	500 g	6

4-Aminophenol, 98% PS
C_6H_7NO
M: 109,12 CAS: 123-30-8 EINECS: 204-616-2 NC: 2922 29 00 UN: 2512
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:
Xn N
R: 20/22-50/53-68 S: 9-28a-36/37-60-61 CE: 612-128-00-X
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A475.1609	250 g	6
15A475.1611	1000 g	6

N-(3-Aminophenyl) Benzamide
(see 3'-Aminobenzanilide)

2-Amino-6-Picoline
(see 2-Amino-6-Methylpyridine)

2-Aminopropionic Acid
(see Alanine)

2-Aminopyridine, 98% PS
$C_5H_6N_2$
M: 94,12 CAS: 504-29-0 EINECS: 207-988-4 NC: 2921 59 90 UN: 2671
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T
R: 25-36/38 S: 36-45
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A926.1608	100 g	6
15A926.1610	500 g	6

5-Aminoquinoline, 98% PS
$C_9H_8N_2$
M: 144,18 CAS: 611-34-7 EINECS: 210-266-1 NC: 2933 49 90
HAZARDOUS:
Xi
R: 36/37/38 S: 26-37/39
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A441.1603	1 g	6
15A441.1604	5 g	6

5-Aminosalicylic Acid
(see 5-Amino-2-Hydroxybenzoic Acid)

D,L-2-Aminosuberic Acid
(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

(R)-2-Aminosuberic Acid
(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

(S)-2-Aminosuberic Acid
(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

(S)-Boc-2-Aminosuberic Acid
(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

(S)-Fmoc-2-Aminosuberic Acid
(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

Fmoc-L-2-Aminosuberic Acid, 8-tert-Butyl Ester
(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

2-Aminosuccinic Acid
(see Aspartic Acid)

2-Aminosuccinic Acid 4-Amide
(see Asparagine)

2-Aminotoluene
(see o-Toluidine)

4-Aminotoluene
(see p-Toluidine)

(R)- 2-Amino-1,1,2-Triphenylethanol
(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

(S)- 2-Amino-1,1,2-Triphenylethanol
(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

N-Aminourea Hydrochloride
(see Semicarbazide Hydrochloride)

Ammonia 30% (as NH_3) PA-ACS
NH_3

M: 17,03 CAS: 1336-21-6 EINECS: 215-647-6 NC: 2814 20 00 UN: 2672
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 813
HAZARDOUS:

C N **R: 34-50 S: 26-36/37/39-45-61 CE: 007-001-01-2**
1l~0,897kg 1kg~1,115l

SPECIFICATIONS:
Assay (Acidim.) ..... 28,0-30,0 %*
Density at 20/4 ..... 0,892-0,898*

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,002 %
Residue on ignition ..... 0,002 %
Reducing substances to $KMnO_4$ (as O) ..... 0,0008 %
Pyridine and homologues ..... 0,0002 %
Carbonate (as CO_2) ..... 0,002 %
Sulphur compounds (as SO_4) ..... 0,0002 %
Chloride (Cl) ..... 0,00005 %
Phosphate (PO_4) ..... 0,0001 %
Nitrate (NO_3) ..... 0,0002 %
Sulphide (S) ..... 0,00001 %
Heavy metals (as Pb) ..... 0,00005 %
As ..... 0,000005 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,02	Fe	0,1	Pb	0,05
Al	0,1	Ga	0,05	Pt	0,1
Au	0,1	Ge	0,02	Sb	0,02
B	0,5	Hg	0,1	Si	0,2
Ba	0,1	In	0,05	Sn	0,05
Be	0,1	K	1	Sr	1
Bi	0,05	Li	0,02	Ti	0,05
Ca	1	Mg	0,5	Tl	0,02
Cd	0,1	Mn	0,1	V	0,02
Co	0,1	Mo	0,02	Zn	0,1
Cr	0,05	Na	2	Zr	0,05
Cu	0,1	Ni	0,05		

*At the moment of the batch analysis

Order code	Package	Units/Box st.
131130.1611	1000 ml	6
131130.1612	2,5 l	4
131130.1214	5 l	4
131130.0716	25 l	
131130.0718	60 l	
131130.0719	200 l	

Ammonia 30% (as NH_3) (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX
NH_3

M: 17,03 CAS: 1336-21-6 EINECS: 215-647-6 NC: 2814 20 00 UN: 2672
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 813
HAZARDOUS:

C N **R: 34-50 S: 26-36/37/39-45-61 CE: 007-001-01-2**
1l~0,897kg 1kg~1,115l

SPECIFICATIONS:
Assay (Acidim.) ..... 27,0-30,0 %*
Identity according to Pharmacopoeias ..... p/t.
Density at 20/20 ..... 0,892-0,901*

MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,002 %
Residue on ignition ..... 0,01 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Reducing substances to $KMnO_4$ ..... p/t.
Pyridine and homologues (as C_6H_5N) ..... 0,0002 %
Carbonate (as CO_3) ..... 0,005 %
Sulphur compounds (as SO_4) ..... 0,0005 %
Chloride (Cl) ..... 0,0001 %
Phosphate (PO_4) ..... 0,0005 %
Heavy metals (as Pb) ..... 0,0001 %
As ..... 0,00004 %
Ca ..... 0,001 %
Cu ..... 0,0001 %
Fe ..... 0,000025 %
Mg ..... 0,001 %
Ni ..... 0,0001 %
Pb ..... 0,0001 %
Zn ..... 0,0001 %
Complies USP 29 specifications
*At the moment of the batch analysis

Order code	Package	Units/Box st.
141130.1611	1000 ml	6
141130.1612	2,5 l	4
141130.1214	5 l	4
141130.0716	25 l	
141130.0718	60 l	
141130.0719	200 l	

Ammonia 30% (as NH_3) (E-527, F.C.C.) ADITIO
NH_3

M: 17,03 CAS: 1336-21-6 EINECS: 215-647-6 NC: 2814 20 00 UN: 2672
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 813
HAZARDOUS:

C N **R: 34-50 S: 26-36/37/39-45-61 CE: 007-001-01-2**
1l~0,897kg 1kg~1,115l

SPECIFICATIONS:
Assay (by weight of NH_3) ..... 27,0-30,0 %*
Non-volatile residue, not more than ..... 0,02 %
Easily oxidizable substances ..... p/t.
Arsenic, not more than ..... 3 ppm
Lead, not more than ..... 0,5 ppm
Specifications Dir. 2008/84/EC, F.C.C. 6
*At the moment of the batch analysis

Order code	Package	Units/Box st.
201130.1214	5 l	4
201130.0716	25 l	

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Ammonia 25% (as NH_3) (Reag. USP, Ph. Eur.) PA

NH_3

M: 17,03 CAS: 1336-21-6 EINECS: 215-647-6 NC: 2814 20 00 UN: 2672
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 813
HAZARDOUS:

C N

R: 34-50 S: 26-36/37/39-45-61 CE: 007-001-01-2
1l~0,905kg 1kg~1,105l
SPECIFICATIONS:

Assay (Acidim.) ..... 25,0-27,0 %*
Density at 20/4 ..... 0,901-0,907*

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,002 %
Reducing substances to $KMnO_4$ (as O) ..... 0,0008 %
Pyridine and homologues ..... 0,0002 %
Carbonate (as CO_2) ..... 0,002 %
Sulphur compounds (as SO_4) ..... 0,0002 %
Chloride (Cl) ..... 0,00005 %
Phosphate (PO_4) ..... 0,0001 %
Sulphide (S) ..... 0,00001 %
Heavy metals (as Pb) ..... 0,00005 %
As ..... 0,000005 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,02	Fe	0,1	Pb	0,05
Al	0,1	Ga	0,05	Pt	0,1
Au	0,1	Ge	0,02	Sb	0,02
B	0,5	Hg	0,1	Si	0,3
Ba	0,1	In	0,05	Sn	0,05
Be	0,1	K	1	Sr	1
Bi	0,05	Li	0,02	Ti	0,05
Ca	1	Mg	0,5	Tl	0,02
Cd	0,1	Mn	0,1	V	0,02
Co	0,1	Mo	0,02	Zn	0,1
Cr	0,05	Na	2	Zr	0,05
Cu	0,1	Ni	0,05		

*At the moment of the batch analysis

Order code	Package	Units/Box st.
121129.1611	1000 ml	6
121129.1612	2,5 l	4
121129.1214	5 l	4
121129.0716	25 l	
121129.0718	60 l	
121129.0719	200 l	

Ammonia 25% (as NH_3) (BP, Ph. Eur.) PRS-CODEX

NH_3

M: 17,03 CAS: 1336-21-6 EINECS: 215-647-6 NC: 2814 20 00 UN: 2672
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 813
HAZARDOUS:

C N

R: 34-50 S: 26-36/37/39-45-61 CE: 007-001-01-2
1l~0,905kg 1kg~1,105l
SPECIFICATIONS:

Assay (Acidim.) (w/w) ..... 25,0-27,0 %*
Identity according to Pharmacopoeias ..... p/t.
Density at 20/20 ..... 0,901-0,907*

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Non-volatile matter ..... 0,002 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Reducing substances to $KMnO_4$ ..... p/t.
Pyridine and homologues (as C_6H_5N) ..... 0,0002 %
Carbonate ..... 0,005 %
Sulphur compounds (as SO_4) ..... 0,0005 %
Chloride (Cl) ..... 0,0001 %
Phosphate (PO_4) ..... 0,0005 %
Heavy metals (as Pb) ..... 0,0001 %
Ca ..... 0,001 %
Cu ..... 0,0001 %
Fe ..... 0,000025 %
Mg ..... 0,001 %
Ni ..... 0,0001 %
Pb ..... 0,0001 %
Zn ..... 0,0001 %

*At the moment of the batch analysis

Order code	Package	Units/Box st.
141129.1611	1000 ml	6
141129.1612	2,5 l	4
141129.1214	5 l	4
141129.0716	25 l	
141129.0718	60 l	

Ammonia 25% (as NH_3) ADITIO

NH_3

M: 17,03 CAS: 1336-21-6 EINECS: 215-647-6 NC: 2814 20 00 UN: 2672
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 813
HAZARDOUS:

C N

R: 34-50 S: 26-36/37/39-45-61 CE: 007-001-01-2
1l~0,905kg 1kg~1,105l
SPECIFICATIONS:

Assay (by weight of NH_3) ..... 23,0-25,0 %*
Heavy metals (as Pb), not more than ..... 5 ppm
Non-volatile residue, not more than ..... 0,02 %
Easily oxidizable substances ..... p/t.

*At the moment of the batch analysis

Order code	Package	Units/Box st.
201129.1214	5 l	4
201129.0716	25 l	

Ammonia 25% (as NH_3) QP

NH_3

M: 17,03 CAS: 1336-21-6 EINECS: 215-647-6 NC: 2814 20 00 UN: 2672
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 813
HAZARDOUS:

C N

R: 34-50 S: 26-36/37/39-45-61
CE: 007-001-01-2
1l~0,905kg 1kg~1,105l
SPECIFICATIONS:

Assay (Acidim.) ..... 24-27 %*
Density at 20/4 ..... 0,900-0,910*
Sulphur compounds (as SO_4) ..... 0,005 %
Chloride (Cl) ..... 0,005 %
Fe ..... 0,005 %
Pb ..... 0,005 %

*At the moment of the batch analysis

Order code	Package	Units/Box st.
211129.1214	5 l	4
211129.0716	25 l	
211129.0718	60 l	

VINIKIT

Análisis de vinos
Wine analysis
Analyse des vins

Ammonia 20% (as NH_3) (TMA) HIPERPUR-PLUS

NH_3

M: 17,03 CAS: 1336-21-6 EINECS: 215-647-6 NC: 2814 20 00 UN: 2672
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 813
HAZARDOUS:

C N **R: 34 S: 26-36/37/39-45-61 CE: 007-001-01-2**

1l~0,920kg 1kg~1,087l

SPECIFICATIONS:

Assay (Acidim.) ..... 20-22 %

MAXIMUM LIMIT OF IMPURITIES

Metals by ICP (ppt)

Ag	10	Gd	10	Rh	10
Al	20	Ge	10	Sb	10
As	10	Hg	200	Sc	10
Au	10	Ho	10	Sm	10
Ba	10	In	10	Sn	10
Be	10	K	10	Sr	10
Bi	10	La	10	Tb	10
Ca	10	Li	10	Te	10
Cd	10	Lu	10	Th	10
Ce	10	Mg	10	Ti	10
Co	10	Mn	10	Tl	10
Cr	10	Mo	10	Tm	10
Cs	10	Na	20	U	10
Cu	10	Nb	10	V	10
Dy	10	Nd	10	W	10
Er	10	Ni	10	Y	10
Eu	10	Pb	10	Yb	10
Fe	10	Pr	10	Zn	10
Ga	10	Rb	10	Zr	10

Analysis Type

Ag	1	Hf	0,1	Rh	1
Al	10	Hg	200	Ru	10
As	10	Ho	0,1	Sb	10
Au	5	In	1	Sc	2
Ba	5	K	10	Se	50
Be	5	La	0,1	Sm	1
Bi	0,1	Li	1	Sn	5
Ca	10	Lu	0,1	Sr	1
Cd	1	Mg	5	Tb	0,1
Ce	0,1	Mn	5	Te	1
Co	1	Mo	1	Th	0,1
Cr	5	Na	10	Ti	5
Cs	0,1	Nb	1	Tl	1
Cu	5	Nd	0,1	Tm	0,1
Dy	0,1	Ni	5	U	0,1
Er	0,1	Pb	2	V	2
Eu	0,1	Pd	20	W	5
Fe	10	Pr	0,1	Y	1
Ga	1	Pt	1	Yb	0,1
Gd	0,1	Rb	1	Zn	5
Ge	1	Re	1	Zr	1

Order code	Package	Units/Box st.
711128.0009	250 ml	6

Ammonia 20% (as NH_3) (TMA) HIPERPUR

NH_3

M: 17,03 CAS: 1336-21-6 EINECS: 215-647-6 NC: 2814 20 00 UN: 2672
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 813
HAZARDOUS:

C N **R: 34 S: 26-36/37/39-45-61 CE: 007-001-01-2**

1l~0,920kg 1kg~1,087l

SPECIFICATIONS:

Assay (Acidim.) ..... 20-22 %

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Chloride (Cl) ..... 0,00005 %
Phosphate (PO_4) ..... 0,000001 %
Sulphate (SO_4) ..... 0,0001 %

Metals by ICP (ppb)

Ag	0,5	Ge	0,1	Sc	0,1
Al	1	Hg	0,2	Se	1
As	1	Ho	0,1	Sm	0,1
Au	0,5	In	0,1	Sn	0,5
Ba	0,1	K	1	Sr	0,1
Be	0,1	La	0,1	Tb	0,1
Bi	0,1	Li	0,1	Te	0,1
Ca	1	Lu	0,1	Th	0,1
Cd	0,5	Mg	1	Ti	0,5
Ce	0,1	Mn	0,5	Tl	0,1
Co	0,5	Mo	0,5	Tm	0,1
Cr	0,5	Na	1	U	0,1
Cs	0,1	Nb	0,1	V	0,5
Cu	0,5	Nd	0,1	W	0,1
Dy	0,1	Ni	0,5	Y	0,1
Er	0,1	Pb	0,1	Yb	0,1
Eu	0,1	Pr	0,1	Zn	0,5
Fe	1	Rb	0,1	Zr	0,1
Ga	0,1	Rh	0,5		
Gd	0,1	Sb	0,5		

Analysis Type

Ag	0,1	Hf	1	Rh	0,1
Al	0,5	Hg	0,2	Ru	1
As	0,1	Ho	0,1	Sb	0,1
Au	0,1	In	0,1	Sc	0,1
Ba	0,1	K	0,2	Se	0,1
Be	0,1	La	0,1	Sm	0,1
Bi	0,1	Li	0,1	Sn	0,1
Ca	0,5	Lu	0,1	Sr	0,1
Cd	0,1	Mg	0,2	Tb	0,1
Ce	0,1	Mn	0,2	Te	0,1
Co	0,1	Mo	0,1	Th	0,1
Cr	0,1	Na	0,5	Ti	0,1
Cs	0,1	Nb	0,1	Tl	0,1
Cu	0,5	Nd	0,1	Tm	0,1
Dy	0,1	Ni	0,2	U	0,1
Er	0,1	Pb	0,1	V	0,1
Eu	0,1	Pd	1	W	0,1
Fe	0,5	Pr	0,1	Y	0,1
Ga	0,1	Pt	1	Yb	0,1
Gd	0,1	Rb	0,1	Zn	0,5
Ge	0,1	Re	1	Zr	0,1

Order code	Package	Units/Box st.
721128.0010	500 ml	6

PA

PA-ACS-ISO

Reactivos para análisis
Analytical Reagents
Réactifs pour analyse

Ammonia 20% (as NH_3) PA

NH_3

M: 17,03 CAS: 1336-21-6 EINECS: 215-647-6 NC: 2814 20 00 UN: 2672
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 813
HAZARDOUS:

C N R: 34 S: 26-36/37/39-45-61 CE: 007-001-01-2

1l~0,920kg 1kg~1,087l

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 20 %*
Density at 20/4 ..... 0,917-0,923*

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,002 %
Reducing substances to $KMnO_4$ (as O) ..... 0,0008 %
Pyridine and homologues ..... 0,0002 %
Carbonate (as CO_2) ..... 0,002 %
Sulphur compounds (as SO_4) ..... 0,0002 %
Chloride (Cl) ..... 0,00005 %
Phosphate (PO_4) ..... 0,0001 %
Sulphide (S) ..... 0,00001 %
Heavy metals (as Pb) ..... 0,00005 %
As ..... 0,000005 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,02	Fe	0,1	Pb	0,05
Al	0,1	Ga	0,05	Pt	0,1
Au	0,1	Ge	0,02	Sb	0,02
B	0,5	Hg	0,1	Si	0,2
Ba	0,1	In	0,05	Sn	0,05
Be	0,1	K	1	Sr	1
Bi	0,05	Li	0,02	Ti	0,05
Ca	1	Mg	0,5	Tl	0,02
Cd	0,1	Mn	0,1	V	0,02
Co	0,1	Mo	0,02	Zn	0,1
Cr	0,05	Na	2	Zr	0,05
Cu	0,1	Ni	0,05		

*At the moment of the batch analysis

Order code	Package	Units/Box st.
121128.1611	1000 ml	6
121128.1214	5 l	4
121128.0716	25 l	

Ammonia 20% (as NH_3) PRS

NH_3

M: 17,03 CAS: 1336-21-6 EINECS: 215-647-6 NC: 2814 20 00 UN: 2672
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 813
HAZARDOUS:

C N R: 34 S: 26-36/37/39-45-61 CE: 007-001-01-2

1l~0,920kg 1kg~1,087l

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 20 %*
Density at 20/4 ..... 0,917-0,923*
Non-volatile matter ..... 0,01 %
Carbonate (as CO_2) ..... 0,005 %
Sulphur compounds (as SO_4) ..... 0,001 %
Chloride (Cl) ..... 0,0005 %
Phosphate (PO_4) ..... 0,0005 %
Ca ..... 0,001 %
Cu ..... 0,0001 %
Fe ..... 0,0001 %
Mg ..... 0,001 %
Ni ..... 0,0001 %
Pb ..... 0,0001 %
Zn ..... 0,0001 %

*At the moment of the batch analysis

Order code	Package	Units/Box st.
141128.1611	1000 ml	6
141128.1612	2,5 l	4
141128.1214	5 l	4
141128.0716	25 l	
141128.0718	60 l	

Ammonia 1 mol/l (1N) SV

Indicator: Methyl Red

NH_3

M: 17,03 CAS: 1336-21-6 EINECS: 215-647-6 NC: 2814 20 00

1l~0,992kg 1kg~1,008l

SPECIFICATIONS:

Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
181132.1211	1000 ml	6

AMMONIA FIXATIVE SOLUTIONS

Ammonia Fixative Solution 4% RV

for the N determination in milk according to ISO 8968-2:2001 and 8968-3:2004

NC: 3822 00 00

1l~1,015kg 1kg~0,985l

Composition:
Boric Acid ..... 40 g
Indicator 5, Mixed ..... 3 ml
Water s.q.m. ..... 1000 ml

Order code	Package	Units/Box st.
286236.1211	1000 ml	6
286236.1214	5 l	4

Ammonia Fixative Solution 1% RV

for automatic analysis

NC: 3822 00 00

1l~1,002kg 1kg~0,998l

Composition:
Boric Acid ..... 1 g
Methyl Red ..... 0,75 mg
Bromocresol Green ..... 1 mg
Ethanol absolute ..... 1,5 ml
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
283334.1211	1000 ml	6
283334.1214	5 l	4
283334.0716	25 l	

Ammonia Titrations Fixing

(see Boric Acid solution 4%)

Ammonia Titrations Indicator

(see Indicator, mixed)

AMMONIUM SOLUTION

(see Standards for Ionic Chromatography)

Ammonium Acetate (Reag. Ph. Eur.) PA-ACS

CH_3COONH_4

M: 77,08 CAS: 631-61-8 EINECS: 211-162-9 NC: 2915 29 00

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 97 %
pH of 5% solution 6,7-7,3

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Residue on ignition (as SO_4) ..... 0,01 %
Reducing substances to $KMnO_4$ ..... p/t.
Chloride (Cl) ..... 0,0005 %
Phosphate (PO_4) ..... 0,0005 %
Nitrate (NO_3) ..... 0,001 %
Sulphate (SO_4) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0005 %
Al ..... 0,0005 %
Ca ..... 0,001 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Mg ..... 0,001 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
131114.1210	500 g	6
131114.1211	1000 g	6
131114.0914	5 kg	4
131114.0416	25 kg	

Ammonium Acetate PRS

CH_3COONH_4

M: 77,08 CAS: 631-61-8 EINECS: 211-162-9 NC: 2915 29 00

SPECIFICATIONS:

Assay (Acidim.) ..... 96 %
pH of 5% solution 6,5-7,5
Insoluble matter in H_2O ..... 0,01 %
Residue on ignition (as SO_4) ..... 0,05 %
Chloride (Cl) ..... 0,003 %
Phosphate (PO_4) ..... 0,001 %
Nitrate (NO_3) ..... 0,003 %
Sulphate (SO_4) ..... 0,003 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141114.1210	500 g	6
141114.1211	1000 g	6
141114.0914	5 kg	
141114.0416	25 kg	

Ammonium Acetate 1M buffered to pH=7, extractant solution RE

extractant reagent for soil analysis
CH_3COONH_4
M: 77,08 CAS: 631-61-8 EINECS: 211-162-9 NC: 2915 29 00
1l~1,015kg 1kg~0,985l
SPECIFICATIONS:
Titer ..... 1,00±0,05

Order code	Package	Units/Box st.
175429.1211	1000 ml P	6

Ammonium Alum

(see Aluminium Ammonium Sulphate 12-hydrate)

Ammonium Aluminium Sulphate

(see Aluminium Ammonium Sulphate 12-hydrate)

Ammonium Amidosulphonate

(see Ammonium Sulphamate)

Ammonium Benzoate PA-ACS

$C_6H_5COONH_4$
M: 139,16 CAS: 1863-63-4 EINECS: 217-468-9 NC: 2916 31 00
HAZARDOUS:
Xn
R: 22
SPECIFICATIONS:
Minimum assay (Acidim.) ..... 99,0 %
pH of 5% solution 5,0-8,0
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Residue on ignition (as SO_4) ..... 0,005 %
Chlorine compounds (as Cl) ..... 0,01 %
Sulphur compounds (as S) ..... 0,015 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,02 %
Reducing substances to $KMnO_4$ ..... p/t.
Heavy metals (as Pb) ..... 0,001 %
Metals by ICP [mg/Kg (ppm)]

Ag	1	Cr	5	Na	50
Al	5	Cu	5	Ni	5
As	1	Fe	5	Pb	5
Ba	5	K	50	Sr	5
Bi	5	Li	5	Tl	5
Ca	10	Mg	5	Zn	5
Cd	5	Mn	5		
Co	5	Mo	5		

Order code	Package	Units/Box st.
131115.1210	500 g P	6

Ammonium Benzoate PRS

$C_6H_5COONH_4$
M: 139,16 CAS: 1863-63-4 EINECS: 217-468-9 NC: 2916 31 00
HAZARDOUS:
Xn
R: 22
SPECIFICATIONS:
Assay (Acidim.) ..... 98 %
Insoluble matter in H_2O ..... 0,01 %
Residue on ignition (as SO_4) ..... 0,05 %
Chloride (Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,02 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0003 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141115.1210	500 g P	6
141115.0914	5 kg PP	
141115.0416	25 kg PP	

Ammonium Bicarbonate

(see Ammonium Hydrogen Carbonate)

Ammonium Bifluoride

(see Ammonium Hydrogen di-Fluoride)

Ammonium Bisulphate

(see Ammonium Hydrogen Sulphate)

Ammonium Bromide PA-ACS

NH_4Br
M: 97,94 CAS: 12124-97-9 EINECS: 235-183-8 NC: 2827 59 00
SPECIFICATIONS:
Minimum assay (Arg) ..... 99,0 %
pH of 5% solution 4,5-6,0
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 100°C ..... 0,2 %
Residue on ignition (as SO_4) ..... 0,01 %
Bromate (BrO_3) ..... 0,001 %
Chloride (Cl) ..... 0,2 %
Sulphate (SO_4) ..... 0,005 %
Iodide (I) ..... p/t.
Heavy metals (as Pb) ..... 0,0005 %
Ba ..... 0,002 %
Cu ..... 0,0002 %
Fe ..... 0,0001 %
Ni ..... 0,0002 %
Pb ..... 0,0002 %

Order code	Package	Units/Box st.
131118.1211	1000 g P	6
131118.1214	5 kg P	4
131118.0416	25 kg PP	

Ammonium Bromide (BP, Ph. Eur.) PRS-CODEX

NH_4Br
M: 97,94 CAS: 12124-97-9 EINECS: 235-183-8 NC: 2827 59 00
SPECIFICATIONS:
Assay (Arg.) calc. a.d.s ..... 99-100,5 %
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 4,5-6,0
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,01 %
Loss on drying at 105°C ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur.) (*)
Acidity and alkalinity ..... p/t.
Magnesium and alkaline-earth salts (as Ca) ..... 0,02 %
Bromate ..... p/t.
Chloride (Cl) ..... 0,5 %
Sulphate (SO_4) ..... 0,01 %
Iodide (I) ..... p/t.
Heavy metals (as Pb) ..... 0,001 %
Ba ..... 0,01 %
Ca ..... 0,01 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %
(*) Excluded by manufacturing process

Order code	Package	Units/Box st.
141118.1211	1000 g P	6
141118.1214	5 kg P	4
141118.0416	25 kg PP	

Ammonium Carbonate (Reag. Ph. Eur.) PA-ACS

$\sim(NH_4)_3(CO_3)_2H+NH_2COONH_4$
CAS: 10361-29-2 EINECS: 233-786-0 NC: 2836 99 17
SPECIFICATIONS:
Minimum assay (as NH_3)(Acidim.) ..... 30,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Non-volatile matter ..... 0,01 %
Chloride (Cl) ..... 0,0005 %
Sulphur compounds (as SO_4) ..... 0,002 %
Phosphate (PO_4) ..... 0,0005 %
Nitrate (NO_3) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00004 %
Metals by ICP [mg/Kg (ppm)]

Ag	5	Fe	1	Pt	5
Al	5	Ga	5	Sb	5
Au	5	Ge	5	Se	5
B	5	In	5	Si	10
Ba	5	K	10	Sn	5
Be	5	Mg	10	Sr	5
Bi	5	Mn	5	Ti	5
Cd	5	Mo	5	Tl	5
Co	5	Na	20	V	5
Cr	5	Ni	5	Zn	5
Cu	1	Pb	5	Zr	5

Order code	Package	Units/Box st.
131119.1210	500 g P	6
131119.1211	1000 g P	6
131119.0914	5 kg PP	

Ammonium Carbonate (USP-NF) PRS-CODEX

~$(NH_4)_3(CO_3)_2H+NH_2COONH_4$

CAS: 10361-29-2 EINECS: 233-786-0 NC: 2836 99 17

SPECIFICATIONS:

Assay (as NH_3)(Acidim.) ..... 30,0-34,0 %
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Chloride (Cl) ..... 0,0035 %
Phosphate (PO_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0004 %
Ca ..... 0,01 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Complies USP 29 specifications

Order code	Package	Units/Box st.
141119.1210	500 g P	6
141119.1211	1000 g P	6
141119.0914	5 kg PP	
141119.0416	25 kg PP	

Ammonium Carbonate (E-503i, F.C.C.) ADITIO

~$(NH_4)_3(CO_3)_2H+NH_2COONH_4$

CAS: 10361-29-2 EINECS: 233-786-0 NC: 2836 99 17

SPECIFICATIONS:

Assay (as NH_3) ..... 30,0-34,0 %
pH of 5% solution, about 8,6 ..... p/t.
Chloride, not more than ..... 0,003 %
Non-volatile residue, not more than ..... 0,05 %
Sulphur compounds (as SO_4), not more than ..... 0,005 %
Sulphate, not more than ..... 30 ppm
Arsenic, not more than ..... 3 ppm
Mercury, not more than ..... 1 ppm
Lead, not more than ..... 3 ppm

Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201119.0914	5 kg PP	
201119.0416	25 kg PP	

Ammonium Cerium(IV) Nitrate (Reag. Ph. Eur.) PA-ACS

$(NH_4)_2Ce(NO_3)_6$

M: 548,23 CAS: 16774-21-3 EINECS: 240-827-6 NC: 2846 90 00 UN: 1477

IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

O Xi

R: 8-36 S: 26-36

SPECIFICATIONS:

Minimum assay (Oxydim.) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in dil. H_2SO_4 ..... 0,05 %
Chloride (Cl) ..... 0,01 %
Phosphate (PO_4) ..... 0,02 %
Ca ..... 0,001 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,005 %
K ..... 0,001 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Na ..... 0,001 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
134758.1208	100 g P	6

Ammonium Cerium(IV) Sulphate 2-hydrate (Reag. USP, Ph. Eur.) PA-ACS

$(NH_4)_4Ce(SO_4)_4.2H_2O$

M: 632,55 CAS: 10378-47-9 EINECS: 231-567-4 NC: 2846 90 00

SPECIFICATIONS:

Minimum assay ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2SO_4 ..... 0,02 %
Chloride (Cl) ..... 0,01 %
Phosphate (PO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,005 %
Cu ..... 0,003 %
Fe ..... 0,005 %
K ..... 0,01 %
Na ..... 0,01 %
Ni ..... 0,003 %
Pb ..... 0,003 %

Order code	Package	Units/Box st.
132748.1208	100 g P	6
132748.1209	250 g P	6

Ammonium Cerium(IV) Sulphate 2-hydrate PRS

$(NH_4)_4Ce(SO_4)_4.2H_2O$

M: 632,55 CAS: 10378-47-9 EINECS: 231-567-4 NC: 2846 90 00

SPECIFICATIONS:

Assay (Iodom.) ..... 98 %
Chloride (Cl) ..... 0,025 %
Phosphate (PO_4) ..... 0,03 %
Cu ..... 0,01 %
Fe ..... 0,02 %
Ni ..... 0,01 %
Pb ..... 0,01 %

Order code	Package	Units/Box st.
142748.1208	100 g P	6
142748.1209	250 g P	6

Ammonium Chloride PA-ACS-ISO

NH_4Cl

M: 53,49 CAS: 12125-02-9 EINECS: 235-186-4 NC: 2827 10 00

HAZARDOUS:

Xn

R: 22-36 S: 22 CE: 017-014-00-8

SPECIFICATIONS:

Minimum assay (Arg) ..... 99,5 %
pH of 5% solution 4,5-5,5

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Residue on ignition (as SO_4) ..... 0,01 %
Pyridine and homologues ..... 0,001 %
Phosphate (PO_4) ..... 0,0002 %
Nitrate (NO_3) ..... 0,001 %
Sulphate (SO_4) ..... 0,002 %
Iodide (I) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00005 %
Ca ..... 0,001 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0002 %
K ..... 0,005 %
Mg ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131121.1210	500 g P	6
131121.1211	1000 g P	6
131121.0914	5 kg PP	4
131121.0416	25 kg PP	

aditio

Aditivos alimentarios
Food chemicals
Additifs alimentaires

Ammonium Chloride (RFE, USP, BP, Ph. Eur.) PRS-CODEX

NH_4Cl

M: 53,49 CAS: 12125-02-9 EINECS: 235-186-4 NC: 2827 10 00

HAZARDOUS:

Xn

R: 22-36 S: 22 CE: 017-014-00-8

SPECIFICATIONS:

Assay (Arg.)calc. a.d.s 99,5-100,5%
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 4,6-6,0

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Loss on drying at 100°C ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Acidity-alkalinity ..... p/t.
Bromide and iodide ..... p/t.
Phosphate (PO_4) ..... 0,002 %
Sulphate (SO_4) ..... 0,005 %
Thiocyanate ..... p/t.
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Ca ..... 0,02 %
Cu ..... 0,001 %
Fe ..... 0,002 %
Mg ..... 0,005 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Complies USP 29 specifications

Order code	Package	Units/Box st.
141121.1210	500 g P	6
141121.1211	1000 g P	6
141121.1214	5 kg P	4
141121.0416	25 kg PP	

Ammonium Chloride (F.C.C.) ADITIO

NH_4Cl

M: 53,49 CAS: 12125-02-9 EINECS: 235-186-4 NC: 2827 10 00

HAZARDOUS:

Xn

R: 22-36 S: 22 CE: 017-014-00-8

SPECIFICATIONS:

Assay (as NH_4Cl) after drying, not less than ..... 99,0 %
Loss on drying, not more than ..... 0,5 %
Lead, not more than ..... 4 ppm

Specifications F.C.C. 6

Order code	Package	Units/Box st.
201121.0914	5 kg PP	
201121.0416	25 kg PP	

Ammonium Chlorocuprate(II)

(see Ammonium Copper(II) Chloride 2-hydrate)

Ammonium Chromate PA

$(NH_4)_2CrO_4$

M: 152,09 CAS: 7788-98-9 EINECS: 232-138-4 NC: 2841 50 00 UN: 1479
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

T

R: 45-36/37/38-43 S: 53-22-28a CE: 024-017-00-8

SPECIFICATIONS:

Minimum assay (Iodometric) ..... 99,5 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,05 %
Ca ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,002 %
K ..... 0,05 %
Mg ..... 0,005 %
Na ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
121124.1210	500 g P	6
121124.1214	5 kg P	4

Ammonium Chromate PRS

$(NH_4)_2CrO_4$

M: 152,09 CAS: 7788-98-9 EINECS: 232-138-4 NC: 2841 50 00 UN: 1479
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

T

R: 45-36/37/38-43 S: 53-22-28a CE: 024-017-00-8

SPECIFICATIONS:

Assay (Iodom.) ..... 99 %
Insoluble matter in H_2O ..... 0,05 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,05 %
Cu ..... 0,002 %
Fe ..... 0,05 %
Pb ..... 0,01 %

Order code	Package	Units/Box st.
141124.1210	500 g P	6
141124.1214	5 kg P	4

Ammonium Citrate di-Basic

(see di-Ammonium Hydrogen Citrate)

Ammonium Copper(II) Chloride 2-hydrate PRS

$(NH_4)_2CuCl_4.2H_2O$

M: 277,47 CAS: 10060-13-6 NC: 2827 39 85

HAZARDOUS:

Xn

R: 22 S: 24/25

SPECIFICATIONS:

Assay (Iodom.) ..... 98 %
Insoluble matter in H_2O ..... 0,01 %
Sulphate (SO_4) ..... 0,05 %
As ..... 0,0005 %
Fe ..... 0,01 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
142749.1210	500 g P	6
142749.1211	1000 g P	6

Ammonium Dichromate moistened with 0,5 - 3,0% of H_2O PA-ACS

$(NH_4)_2Cr_2O_7$

M: 252,07 CAS: 7789-09-5 EINECS: 232-143-1 NC: 2841 50 00 UN: 1439
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

T+ N

R: 45-46-60-61-E21-E25-E26-34-42/43-E48/23-50/53
S: 53-45-60-61 CE: 024-003-00-1

SPECIFICATIONS:

Minimum assay (Iodom.) a.d.s ..... 99,5 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 105°C ..... 0,5-3,0 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
Ca ..... 0,002 %
Cu ..... 0,001 %
Fe ..... 0,002 %
K ..... 0,005 %
Mg ..... 0,002 %
Na ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
131125.1210	500 g P	6
131125.1214	5 kg P	4

Ammonium Dichromate moistened with 0,5-3,0% of H_2O PRS

$(NH_4)_2Cr_2O_7$

M: 252,07 CAS: 7789-09-5 EINECS: 232-143-1 NC: 2841 50 00 UN: 1439
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

T+ N

R: 45-46-60-61-E21-E25-E26-34-42/43-E48/23-50/53
S: 53-45-60-61 CE: 024-003-00-1

SPECIFICATIONS:

Assay (Iodom.) a.d.s ..... 99 %
Loss on drying at 105°C ..... 3 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,05 %
Cu ..... 0,005 %
Fe ..... 0,005 %
Pb ..... 0,01 %

Order code	Package	Units/Box st.
141125.1210	500 g P	6
141125.1214	5 kg PP	
141125.0416	25 kg	

Ammonium Fluoride PA-ACS

NH_4F

M: 37,04 CAS: 12125-01-8 EINECS: 235-185-9 NC: 2826 19 10 UN: 2505
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T **R: 23/24/25 S: 26-45 CE: 009-006-00-8**

SPECIFICATIONS:

Minimum assay (Acidim.)	98,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O	0,005 %
Residue on ignition (as SO_4)	0,01 %
Ammonium hydrogen bifluoride (F_2HNH_4)	0,5 %
Chloride (Cl)	0,001 %
Hexafluorosilicate (F_6Si)	0,1 %
Nitrate (NO_3)	0,002 %
Sulphate (SO_4)	0,005 %
Heavy metals (as Pb)	0,0005 %
As	0,0002 %
Ca	0,01 %
Cd	0,0005 %
Co	0,0005 %
Cr	0,0005 %
Cu	0,0005 %
Fe	0,0005 %
K	0,002 %
Li	0,0005 %
Mg	0,0005 %
Mn	0,0005 %
Mo	0,0005 %
Na	0,002 %
Ni	0,0005 %
Pb	0,0005 %
Sr	0,0005 %
Zn	0,0005 %

Order code	Package	Units/Box st.
132351.1210	500 g P	6
132351.1211	1000 g P	6
132351.0914	5 kg PP	

Ammonium Fluoride PRS

NH_4F

M: 37,04 CAS: 12125-01-8 EINECS: 235-185-9 NC: 2826 19 10 UN: 2505
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T **R: 23/24/25 S: 26-45 CE: 009-006-00-8**

SPECIFICATIONS:

Assay (Acidim.)	95 %
Insoluble matter in H_2O	0,01 %
Residue on ignition (as SO_4)	0,05 %
Chloride (Cl)	0,005 %
Nitrate (NO_3)	0,005 %
Sulphate (SO_4)	0,01 %
As	0,0005 %
Cu	0,002 %
Fe	0,002 %
Ni	0,002 %
Pb	0,002 %

Order code	Package	Units/Box st.
142351.1210	500 g P	6
142351.1211	1000 g P	6
142351.0416	25 kg	

Ammonium Formate PRS

$HCOONH_4$

M: 63,06 CAS: 540-69-2 EINECS: 208-753-9 NC: 2915 12 00
HAZARDOUS:

Xi **R: 36 S: 26**

SPECIFICATIONS:

Minimum assay (Perchl. Ac.)	95,0 %
Melting range	115-118°C

Order code	Package	Units/Box st.
143482.1208	100 g P	6
143482.1211	1000 g P	6

Ammonium Hydrogen Carbonate (Reag. Ph. Eur.) PA

$(NH_4)HCO_3$

M: 79,06 CAS: 1066-33-7 EINECS: 213-911-5 NC: 2836 99 17
HAZARDOUS:

Xn **R: 22**

SPECIFICATIONS:

Minimum assay (Acidim.)	99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O	0,005 %
Residue on ignition (as SO_4)	0,05 %
Chloride (Cl)	0,0005 %
Sulphur compounds (as SO_4)	0,002 %
Phosphate (PO_4)	0,0005 %
Nitrate (NO_3)	0,001 %
Sulphide	0,001 %
Heavy metals (as Pb)	0,0005 %
As	0,0001 %
Ca	0,001 %
Cd	0,0005 %
Co	0,0005 %
Cu	0,0001 %
Fe	0,0005 %
K	0,001 %
Na	0,002 %
Ni	0,0005 %
Pb	0,0005 %
Zn	0,0005 %

Order code	Package	Units/Box st.
121116.1210	500 g P	6
121116.1211	1000 g P	6
121116.0914	5 kg PP	
121116.0416	25 kg PP	

Ammonium Hydrogen Carbonate (RFE, BP, Ph. Eur.) PRS-CODEX

$(NH_4)HCO_3$

M: 79,06 CAS: 1066-33-7 EINECS: 213-911-5 NC: 2836 99 17
HAZARDOUS:

Xn **R: 22**

SPECIFICATIONS:

Assay (Acidim.)	98,0-101,0%
Identity according to Pharmacopoeias	p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O	0,01 %
Residual solvents (Ph.Eur./USP)	p/t.
Chloride (Cl)	0,005 %
Phosphate (PO_4)	0,005 %
Sulphate (SO_4)	0,007 %
Sulphide	p/t.
Heavy metals (as Pb)	0,001 %
As	0,0002 %
Ca	0,01 %
Cu	0,001 %
Fe	0,001 %
Mg	0,01 %
Ni	0,001 %
Pb	0,001 %

Order code	Package	Units/Box st.
141116.1210	500 g P	6
141116.1211	1000 g P	6
141116.0914	5 kg PP	
141116.0416	25 kg PP	

Ammonium Hydrogen Carbonate (E-503ii, F.C.C.) ADITIO

$(NH_4)HCO_3$

M: 79,06 CAS: 1066-33-7 EINECS: 213-911-5 NC: 2836 99 17
HAZARDOUS:

Xn **R: 22**

SPECIFICATIONS:

Assay (as NH_4HCO_3)	99,0-100,5%
pH of 5% solution, about 8,0	p/t.
Chloride, not more than	0,003 %
Non-volatile residue, not more than	0,05 %
Sulphur compounds (as SO_4), not more than	0,007 %
Sulphate, not more than	30 ppm
Arsenic, not more than	3 ppm
Mercury, not more than	1 ppm
Lead, not more than	3 ppm

Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201116.0914	5 kg PP	
201116.0416	25 kg PP	

di-Ammonium Hydrogen Citrate (Reag. Ph. Eur.) PA-ACS

$C_6H_5O_7(NH_4)_2H$

M: 226,19 CAS: 3012-65-5 EINECS: 221-146-3 NC: 2918 15 00

SPECIFICATIONS:

Assay (Acidim.) 98,0-103,0%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Residue on ignition (as SO_4) ..... 0,01 %
Chloride (Cl) ..... 0,001 %
Phosphate (PO_4) ..... 0,0005 %
Oxalate (C_2O_4) ..... 0,05 %
Sulphur compounds (SO_4) ..... 0,005 %
Water (H_2O) ..... 1,0 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00001 %
Ca ..... 0,002 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131120.1210	500 g	6
131120.1211	1000 g	6
131120.0914	5 kg	
131120.0416	25 kg	

di-Ammonium Hydrogen Citrate PRS

$C_6H_5O_7(NH_4)_2H$

M: 226,19 CAS: 3012-65-5 EINECS: 221-146-3 NC: 2918 15 00

SPECIFICATIONS:

Assay (Acidim.) ..... 98 %
Insoluble matter in H_2O ..... 0,02 %
Residue on ignition (as SO_4) ..... 0,05 %
Chloride (Cl) ..... 0,002 %
Phosphate (PO_4) ..... 0,005 %
Sulphur compounds (SO_4) ..... 0,005 %
Water (H_2O) ..... 2 %
Heavy metals (as Pb) ..... 0,005 %
As ..... 0,00005 %
Ca ..... 0,005 %
Cd ..... 0,005 %
Co ..... 0,005 %
Cu ..... 0,005 %
Fe ..... 0,005 %
K ..... 0,01 %
Na ..... 0,01 %
Ni ..... 0,005 %
Pb ..... 0,005 %
Zn ..... 0,005 %

Order code	Package	Units/Box st.
141120.1210	500 g	6
141120.1211	1000 g	6
141120.0914	5 kg	
141120.0416	25 kg	

Ammonium Hydrogen di-Fluoride PRS

$(NH_4)HF_2$

M: 57,04 CAS: 1341-49-7 EINECS: 215-676-4 NC: 2826 19 90 UN: 1727

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 815 CAO: 817

HAZARDOUS:

T C

R: 25-34 S: 22-26-37-45 CE: 009-009-00-4

SPECIFICATIONS:

Assay (Acidim.) ..... 98 %
Insoluble matter in H_2O ..... 0,02 %
Chloride (Cl) ..... 0,003 %
Sulphate (SO_4) ..... 0,05 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141911.1210	500 g	6
141911.1211	1000 g	6
141911.0914	5 kg	
141911.0416	25 kg	

di-Ammonium Hydrogen Phosphate (Reag. Ph. Eur) PA-ACS

$(NH_4)_2HPO_4$

M: 132,06 CAS: 7783-28-0 EINECS: 231-987-8 NC: 3105 30 00

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 98,0 %
pH of 5% solution 7,7-8,1

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Sulphur compounds (as SO_4) ..... 0,004 %
Chloride (Cl) ..... 0,0005 %
Nitrate (NO_3) ..... 0,003 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Ca ..... 0,001 %
Cu ..... 0,001 %
Fe ..... 0,001 %
K ..... 0,005 %
Mg ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
131127.1210	500 g	6
131127.1211	1000 g	6
131127.1214	5 kg	4
131127.0416	25 kg	

di-Ammonium Hydrogen Phosphate (USP) PRS-CODEX

$(NH_4)_2HPO_4$

M: 132,06 CAS: 7783-28-0 EINECS: 231-987-8 NC: 3105 30 00

SPECIFICATIONS:

Assay (Acidim.) 96,0-102,0%
Identity according to Pharmacopoeias ..... p/t.
pH of 1% solution 7,6-8,2

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0003 %
Cu ..... 0,001 %
Fe ..... 0,003 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Complies USP 29 specifications

Order code	Package	Units/Box st.
141127.1210	500 g	6
141127.1211	1000 g	6
141127.0914	5 kg	
141127.0416	25 kg	

di-Ammonium Hydrogen Phosphate (F.C.C.) ADITIO

$(NH_4)_2HPO_4$

M: 132,06 CAS: 7783-28-0 EINECS: 231-987-8 NC: 3105 30 00

SPECIFICATIONS:

Assay ($(NH_4)_2HPO_4$) 96,0-102,0%
Arsenic (as As), not more than ..... 3 ppm
Fluoride, not more than ..... 10 ppm
Lead, not more than ..... 4 ppm
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201127.0914	5 kg	
201127.0416	25 kg	

SV

Soluciones valoradas
Volumetric solutions
Solutions volumétriques

Ammonium di-Hydrogen Phosphate PB

$(NH_4)H_2PO_4$

M: 115,03 CAS: 7722-76-1 EINECS: 231-764-5 NC: 3105 40 00

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99,5 %
pH of 0,1 mol/l solution 4,0-5,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... p/t.
ABS at λ260 nm 0,1M sol. in water 0,059
ABS at λ280 nm 0,1M sol. in water 0,050
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
As ..... 0,00005 %

Metals by ICP [mg/Kg (ppm)]

Al	5	Cu	5	Na	50
Ba	5	Fe	20	Ni	5
Bi	5	K	50	Pb	5
Ca	50	Li	5	Sr	5
Cd	5	Mg	5	Zn	5
Co	5	Mn	5		
Cr	5	Mo	5		

Order code	Package	Units/Box st.
371126.1209	250 g	6
371126.1211	1000 g	6

Ammonium di-Hydrogen Phosphate (Reag. Ph. Eur.) PA-ACS

$(NH_4)H_2PO_4$

M: 115,03 CAS: 7722-76-1 EINECS: 231-764-5 NC: 3105 40 00

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 98,0 %
pH of 5% solution 3,8-4,4

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Sulphur compounds (as SO_4) ..... 0,005 %
Chloride (Cl) ..... 0,0005 %
Nitrate (NO_3) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00005 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Ga	5	Pt	5
Al	5	Ge	5	Sb	5
Au	5	Hg	5	Se	5
B	5	In	5	Si	5
Ba	5	K	50	Sn	5
Be	5	Li	5	Sr	5
Ca	10	Mg	5	Ti	5
Cd	5	Mn	5	Tl	5
Co	5	Mo	5	V	5
Cr	5	Na	50	Zn	5
Cu	5	Ni	5	Zr	5
Fe	5	Pb	5		

Order code	Package	Units/Box st.
131126.1210	500 g	6
131126.1211	1000 g	6
131126.1214	5 kg	4
131126.0416	25 kg	

Ammonium di-Hydrogen Phosphate PRS

$(NH_4)H_2PO_4$

M: 115,03 CAS: 7722-76-1 EINECS: 231-764-5 NC: 3105 40 00

SPECIFICATIONS:

Assay (Acidim.) 96,0-102,0%
pH of 5% solution 3,8-4,4
Insoluble matter in H_2O ..... 0,02 %
Chloride (Cl) ..... 0,003 %
Nitrate (NO_3) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Cu ..... 0,001 %
Fe ..... 0,003 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141126.1210	500 g	6
141126.1211	1000 g	6
141126.1214	5 kg	4
141126.0416	25 kg	

Ammonium di-Hydrogen Phosphate (F.C.C.) ADITIO

$(NH_4)H_2PO_4$

M: 115,03 CAS: 7722-76-1 EINECS: 231-764-5 NC: 3105 40 00

SPECIFICATIONS:

Assay ($(NH_4)H_2PO_4$) 96,0-102,0%
Arsenic (as As), not more than ..... 3 ppm
Fluoride, not more than ..... 10 ppm
Lead, not more than ..... 4 ppm
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201126.1214	5 kg	4

Ammonium Hydrogen Sulphate (Reag. USP) PA

NH_4HSO_4

M: 115,11 CAS: 7803-63-6 EINECS: 232-265-5 NC: 2833 29 90 UN: 2506
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 98,5 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Residue on ignition ..... 0,005 %
Chloride (Cl) ..... 0,0002 %
Phosphate (PO_4) ..... 0,0003 %
Nitrate (NO_3) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0002 %
Al ..... 0,001 %
As ..... 0,00002 %
Ca ..... 0,001 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0001 %
Fe ..... 0,0002 %
K ..... 0,001 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0001 %
Pb ..... 0,0001 %
Zn ..... 0,0001 %

Order code	Package	Units/Box st.
121117.1210	500 g	6
121117.1214	5 kg	4

Ammonium Hydrogen Sulphate PRS

NH_4HSO_4

M: 115,11 CAS: 7803-63-6 EINECS: 232-265-5 NC: 2833 29 90 UN: 2506
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816

SPECIFICATIONS:

Assay (Acidim.) ..... 98 %
Insoluble matter in H_2O ..... 0,05 %
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,003 %
Cu ..... 0,005 %
Fe ..... 0,005 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
141117.1210	500 g	6
141117.0416	25 kg	

Ammonium Hydroxide

(see Ammonia)

Ammonium Iodide PA-ACS

NH_4I

M: 144,94 CAS: 12027-06-4 EINECS: 234-717-7 NC: 2827 60 00

SPECIFICATIONS:

Minimum assay ..... 99,5 %
pH of 5% solution 4,5-6,5

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Residue on ignition (as SO_4) ..... 0,05 %
Chloride and bromide (as Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,001 %
Ba ..... 0,002 %
Ca ..... 0,001 %
Cu ..... 0,0001 %
Fe ..... 0,0002 %
K ..... 0,002 %
Na ..... 0,002 %
Ni ..... 0,0001 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
131813.1609	250 g	6

Ammonium Iron(III) Citrate brown (USP, DAC) PRS-CODEX

CAS: 1185-57-5 EINECS: 214-686-6 NC: 2918 15 00

SPECIFICATIONS:

Assay (as Fe) (Iodom.) calc. a.d.s.....16,5-18,5 %
Identity according to Pharmacopoeias ..... p/t.
pH of 10% solution 6,0-8,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O..... p/t.
Loss on drying at 105°C..... 6,0 %
Residual solvents (Ph.Eur./USP)..... p/t.
Chloride (Cl)..... 0,05 %
Oxalate ..... p/t.
Sulphate (SO_4) ..... 0,3 %
Tartrate ..... p/t.
Fe(III) not complexated..... p/t.
Iron(III) Citrate ..... p/t.
Heavy metals (as Pb)..... 0,005 %
As ..... 0,0004 %
Hg..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142912.1211	1000 g P	6

Ammonium Iron(III) Citrate brown (E-381, F.C.C.) ADITIO

CAS: 1185-57-5 EINECS: 214-686-6 NC: 2918 15 00

SPECIFICATIONS:

Assay (as Fe) .....16,5-18,5 %
Sulphate, not more than..... 0,3 %
Lead, not more than ..... 2 ppm
Mercury, not more than ..... 1 ppm
Oxalate ..... p/t.
Fe(III) citrate..... p/t.
Specifications F.C.C. 6

Order code	Package	Units/Box st.
202912.1211	1 kg P	6

Ammonium Iron(III) Citrate green PRS

CAS: 1185-57-5 EINECS: 214-686-6 NC: 2918 15 00

SPECIFICATIONS:

Assay (as Fe) (Iodom.) .....14,5-16,0 %
Insoluble matter in H_2O..... p/t.
Loss on drying at 105°C..... 6,0 %
Chloride (Cl)..... 0,05 %
Sulphate (SO_4) ..... 1,5 %
Tartrate ..... p/t.
Fe(III) not complexated..... p/t.
Heavy metals (as Pb)..... 0,005 %
As ..... 0,0004 %

Order code	Package	Units/Box st.
142028.1211	1000 g P	6

Ammonium Iron(III) Citrate green (E-381, F.C.C.) ADITIO

CAS: 1185-57-5 EINECS: 214-686-6 NC: 2918 15 00

SPECIFICATIONS:

Assay (as Fe) .....14,5-16,0 %
Sulphate, not more than..... 0,3 %
Lead, not more than ..... 2 ppm
Mercury, not more than ..... 1 ppm
Oxalate ..... p/t.
Iron(III) citrate..... p/t.
Specifications F.C.C. 6

Order code	Package	Units/Box st.
202028.1211	1 kg P	6
202028.0914	5 kg PP	

Ammonium Iron(III) Oxalate 3-hydrate PRS

$(NH_4)_3Fe(C_2O_4)_3.3H_2O$

M: 428,07 CAS: 14221-47-7 EINECS: 238-090-0 NC: 2917 11 00

HAZARDOUS:

Xn

R: 21/22 S: 24/25 CE: 607-007-00-3

SPECIFICATIONS:

Assay (Perm.)..... 98 %
Chloride (Cl)..... 0,005 %
Sulphate (SO_4) ..... 0,02 %
Cu..... 0,005 %
Ni ..... 0,005 %
Pb ..... 0,005 %
Zn ..... 0,01 %

Order code	Package	Units/Box st.
141364.1210	500 g P	6
141364.0914	5 kg PP	

Ammonium Iron(II) Sulphate 6-hydrate (Reag. Ph. Eur.) PA-ISO

$(NH_4)_2Fe(SO_4)_2.6H_2O$

M: 392,14 CAS: 7783-85-9 EINECS: 233-151-8 NC: 2833 29 90

SPECIFICATIONS:

Assay (Perm.).....99,0-101,0%
pH of 5% solution 3-5

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2SO_4 ..... 0,005 %
Non-precipitated by NH_4OH..... 0,1 %
Chloride (Cl)..... 0,001 %
Phosphate (PO_4) ..... 0,002 %
Fe(III)..... 0,02 %

Metals by ICP [mg/Kg (ppm)]

Al 50
Ca 100
Cd 10
Co 50
Cu 10
Hg 10
K 100
Mg 50
Mn 200
Na 100
Pb 10
Sr 10
Zn 30

Order code	Package	Units/Box st.
131368.1210	500 g P	6
131368.1211	1000 g P	6
131368.1214	5 kg P	4
131368.0416	25 kg PP	

Ammonium Iron(II) Sulphate 6-hydrate PRS

$(NH_4)_2Fe(SO_4)_2.6H_2O$

M: 392,14 CAS: 7783-85-9 EINECS: 233-151-8 NC: 2833 29 90

SPECIFICATIONS:

Assay (Perm.).....98-101 %
pH of 5% solution .....≥3,5
Insoluble matter in H_2SO_4 ..... 0,01 %
Chloride (Cl)..... 0,005 %
Phosphate (PO_4) ..... 0,005 %

Order code	Package	Units/Box st.
141368.1210	500 g P	6
141368.1211	1000 g P	6
141368.1214	5 kg P	4
141368.0416	25 kg PP	

AMMONIUM IRON(II) SULPHATE SOLUTIONS

Ammonium Iron(II) Sulphate 0,1 mol/l (0,1N) SV

for determination of COD. Indicator: Ferroin

$(NH_4)_2Fe(SO_4)_2$

M: 284,05 CAS: 7783-85-9 EINECS: 233-151-8 NC: 2833 29 90

1l~1,045kg 1kg~0,957l

SPECIFICATIONS:

Titer .....1,000±0,001

Order code	Package	Units/Box st.
181369.1611	1000 ml	6

Ammonium Iron(II) Sulphate 0,12 mol/l (0,12N) SV

for determination of COD according to NFT 90-101/ISO 6060:1989/UNE 77-004-02. Indicator: Ferroin

$(NH_4)_2Fe(SO_4)_2.6H_2O$

M: 392,14 CAS: 7783-85-9 EINECS: 233-151-8 NC: 2833 29 90

1l~1,055kg 1kg~0,948l

SPECIFICATIONS:

Titer .....1,000±0,001

Order code	Package	Units/Box st.
185227.1611	1000 ml	6

Ammonium Iron(III) Sulphate 12-hydrate (Reag. Ph. Eur.) PA-ACS-ISO

$NH_4Fe(SO_4)_2.12H_2O$

M: 482,19 CAS: 7783-83-7 EINECS: 233-382-4 NC: 2833 30 00

SPECIFICATIONS:

Assay (Iodom.) 98,5-102,0%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Non-precipitated substances by NH_4OH ..... 0,05 %
Chloride (Cl) ..... 0,0005 %
Nitrate (NO_3) ..... 0,01 %
Ca ..... 0,01 %
Cu ..... 0,002 %
Fe(II) ..... 0,001 %
K ..... 0,005 %
Mg ..... 0,001 %
Mn ..... 0,005 %
Na ..... 0,01 %
Pb ..... 0,001 %
Zn ..... 0,003 %

Order code	Package	Units/Box st.
131365.1210	500 g	6
131365.1211	1000 g	6
131365.0914	5 kg	
131365.0416	25 kg	

Ammonium Iron(III) Sulphate 12-hydrate PRS

$NH_4Fe(SO_4)_2.12H_2O$

M: 482,19 CAS: 7783-83-7 EINECS: 233-382-4 NC: 2833 30 00

SPECIFICATIONS:

Assay (Iodom.) ..... 97-102 %
Insoluble matter in H_2O ..... 0,01 %
Chloride (Cl) ..... 0,01 %
Ca ..... 0,03 %
Cu ..... 0,005 %
Mg ..... 0,03 %
Pb ..... 0,005 %
Zn ..... 0,01 %

Order code	Package	Units/Box st.
141365.1210	500 g	6
141365.1211	1000 g	6
141365.0914	5 kg	
141365.0416	25 kg	

Ammonium Iron(III) Sulphate 0,1 mol/l (0,1N) SV

Indicator: Starch

$NH_4Fe(SO_4)_2$

M: 266,19 CAS: 10138-04-2 EINECS: 233-382-4 NC: 2833 30 00

1l~1,025kg 1kg~0,976l

SPECIFICATIONS:

Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
181367.1611	1000 ml	6

Ammonium Iron(III) Sulphate saturated solution

(see Alum Iron Ammonium)

Ammonium Lactate solution 70% w/w PS

$C_3H_9NO_3$

M: 107,11 CAS: 515-98-0 EINECS: 208-214-8 NC: 2918 11 00

1l~1,16kg 1kg~0,86l

SPECIFICATIONS:

Assay (as Lactic Acid) ..... 58-64 %
Assay (as NH_3) ..... 8-12 %
Density at 20/4 1,16-1,19
Water (H_2O) ..... 28-32 %

Order code	Package	Units/Box st.
15B483.1208	100 ml	6
15B483.1211	1000 ml	6

Ammonium Metavanadate

(see Ammonium meta-Vanadate)

Ammonium Molybdate 4-hydrate (Reag. Ph. Eur.) PA-ACS-ISO

$(NH_4)_6\ Mo_7O_{24}.4H_2O$

M: 1235,86 CAS: 12027-67-7 EINECS: 234-722-4 NC: 2841 70 00

HAZARDOUS:

Xn

R: 22 S: 24

SPECIFICATIONS:

Assay (as MoO_3) (Compl.) ..... 81,0-83,0 %
Minimum assay (Compl.) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,002 %
Arsenates, phosphates and silicates (as SiO_2) ..... 0,001 %
Phosphate (PO_4) ..... 0,0005 %
Nitrate (NO_3) ..... 0,003 %
Sulphate (SO_4) ..... 0,02 %
Heavy metals (as Pb) ..... 0,001 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,002 %
Mg ..... 0,005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131134.1208	100 g	6
131134.1209	250 g	6
131134.1211	1000 g	6
131134.1214	5 kg	4
131134.0416	25 kg	

Ammonium Molybdate 4-hydrate (USP) PRS-CODEX

$(NH_4)_6\ Mo_7O_{24}.4H_2O$

M: 1235,86 CAS: 12027-67-7 EINECS: 234-722-4 NC: 2841 70 00

HAZARDOUS:

Xn

R: 22 S: 24

SPECIFICATIONS:

Assay (Compl.) 99,3-101,8%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Chloride (Cl) ..... 0,002 %
Arseniates, phosphates and silicates (as SiO_2) ..... 0,001 %
Phosphate (PO_4) ..... 0,0005 %
Nitrate (NO_3) ..... p/t.
Sulphate (SO_4) ..... 0,02 %
Magnesium and other alkaline-earths ..... 0,02 %
Heavy metals (as Pb) ..... 0,001 %
Ca ..... 0,01 %
Cu ..... 0,001 %
Fe ..... 0,001 %
K ..... 0,01 %
Mg ..... 0,01 %
Na ..... 0,01 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Complies USP 29 specifications

Order code	Package	Units/Box st.
141134.1208	100 g	6
141134.1209	250 g	6
141134.1211	1000 g	6
141134.1214	5 kg	4
141134.0416	25 kg	

Para bioquímica
For biochemistry
Pour biochimie

PB

Reactivos sometidos a ensayos adicionales que los hacen aptos para su uso en técnicas bioquímicas.
Chemicals assayed with additional tests which guarantees their aptitude for biochemical techniques.
Réactifs testés et aptes pour utilisation en biochimie.

di-Ammonium Oxalate 1-hydrate PB

$(NH_4)_2(COO)_2.H_2O$

M: 142,11 CAS: 6009-70-7 EINECS: 214-202-3 NC: 2917 11 00 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn **R: 21/22 S: 24/25 CE: 607-007-00-3**

SPECIFICATIONS:

Minimum assay	99,5 %
pH of 0,1 mol/l solution	6,0-7,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O	p/t.
Residue on ignition	0,002 %
UV-cut off 0,1M sol. in water	267 nm
Chloride (Cl)	0,0005 %
Sulphate (SO_4)	0,002 %
As	0,00001 %

Metals by ICP [mg/Kg (ppm)]

Al	5	Cu	5	Na	50
Ba	5	Fe	2	Ni	5
Bi	5	K	50	Pb	5
Ca	10	Li	5	Sr	5
Cd	5	Mg	5	Zn	5
Co	5	Mn	5		
Cr	5	Mo	5		

Order code	Package	Units/Box st.
371136.1209	250 g	6
371136.1211	1000 g	6

di-Ammonium Oxalate 1-hydrate (Reag. Ph. Eur.) PA-ACS

$(NH_4)_2(COO)_2.H_2O$

M: 142,11 CAS: 6009-70-7 EINECS: 214-202-3 NC: 2917 11 00 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn **R: 21/22 S: 24/25 CE: 607-007-00-3**

SPECIFICATIONS:

Assay (Perm.)	99,5-101,0%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O	0,005 %
Residue on ignition (as SO_4)	0,02 %
Chloride (Cl)	0,001 %
Phosphate (PO_4)	0,001 %
Nitrate (NO_3)	0,001 %
Sulphate (SO_4)	0,002 %
Heavy metals (as Pb)	0,0005 %
As	0,00002 %

Metals by ICP [mg/Kg (ppm)]

Al	5	Ga	5	Sb	5
B	5	Ge	5	Se	5
Be	5	Hg	5	Si	5
Bi	5	In	5	Sn	5
Ca	10	Mg	5	Sr	5
Cd	5	Mn	5	Ti	5
Co	5	Mo	5	Tl	5
Cr	5	Ni	5	V	5
Cu	5	Pb	5	Zn	5
Fe	2	Pt	5	Zr	5

Order code	Package	Units/Box st.
131136.1210	500 g	6
131136.1211	1000 g	6
131136.0914	5 kg	
131136.0416	25 kg	

di-Ammonium Oxalate 1-hydrate PRS

$(NH_4)_2(COO)_2.H_2O$

M: 142,11 CAS: 6009-70-7 EINECS: 214-202-3 NC: 2917 11 00 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn **R: 21/22 S: 24/25 CE: 607-007-00-3**

SPECIFICATIONS:

Assay (Perm.)	99 %
Insoluble matter in H_2O	0,02 %
Residue on ignition (as SO_4)	0,1 %
Chloride (Cl)	0,005 %
Phosphate (PO_4)	0,01 %
Nitrate (NO_3)	0,005 %
Sulphate (SO_4)	0,01 %
As	0,00005 %
Cu	0,002 %
Fe	0,002 %
Ni	0,002 %
Pb	0,002 %

Order code	Package	Units/Box st.
141136.1210	500 g	6
141136.1211	1000 g	6
141136.0914	5 kg	
141136.0416	25 kg	

Ammonium Perchlorate PA

NH_4ClO_4

M: 117,50 CAS: 7790-98-9 EINECS: 232-235-1 NC: 2829 90 10 UN: 1442
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 512
HAZARDOUS:

O **R: 9-44 S: 14-16-27-36/37 CE: 017-009-00-0**

SPECIFICATIONS:

Minimum assay (Acidim.)	99 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O	0,01 %
Chlorate and Nitrate	p/t.
Chloride (Cl)	0,003 %
Chloride and Chlorate (as Cl)	0,005 %
Sulphate (SO_4)	0,005 %
Heavy metals (as Pb)	0,001 %
Ca	0,01 %
Cu	0,001 %
Fe	0,001 %
Ni	0,001 %
Pb	0,001 %

Order code	Package	Units/Box st.
121137.1209	250 g	6
121137.1214	5 kg	4

Ammonium Perchlorate PRS

NH_4ClO_4

M: 117,50 CAS: 7790-98-9 EINECS: 232-235-1 NC: 2829 90 10 UN: 1442
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 512
HAZARDOUS:

O **R: 9-44 S: 14-16-27-36/37 CE: 017-009-00-0**

SPECIFICATIONS:

Assay (Acidim.)	98 %
Insoluble matter in H_2O	0,02 %
Chloride (Cl)	0,01 %
Chloride and Chlorate (as Cl)	0,01 %
Sulphate (SO_4)	0,01 %
Cu	0,002 %
Fe	0,002 %
Ni	0,002 %
Pb	0,002 %

Order code	Package	Units/Box st.
141137.1209	250 g	6
141137.1214	5 kg	4

Ammonium Peroxodisulphate (Reag. Ph. Eur.) PA-ACS

$(NH_4)_2S_2O_8$

M: 228,20 CAS: 7727-54-0 EINECS: 231-786-5 NC: 2833 40 00 UN: 1444
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518
HAZARDOUS:

O Xn **R: 8-22-36/37/38-42/43 S: 22-24-26-37**

SPECIFICATIONS:

Minimum assay	98,0 %*

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O	0,005 %
Residue on ignition (as SO_4)	0,05 %
Acidity	0,04 meq/g*
Chloride and Chlorate (as Cl)	0,001 %
Heavy metals (as Pb)	0,005 %
Ca	0,01 %
Cd	0,0005 %
Co	0,0005 %
Cr	0,0005 %
Cu	0,0005 %
Fe	0,001 %
K	0,005 %
Mg	0,005 %
Mn	0,00005 %
Na	0,01 %
Ni	0,0005 %
Pb	0,0005 %
Zn	0,0005 %

*At the moment of the batch analysis

Order code	Package	Units/Box st.
131138.1610	500 g	6
131138.1611	1000 g	6
131138.0416	25 kg	

Ammonium Peroxodisulphate PRS

$(NH_4)_2S_2O_8$

M: 228,20 CAS: 7727-54-0 EINECS: 231-786-5 NC: 2833 40 00 UN: 1444
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518
HAZARDOUS:

O Xn

R: 8-22-36/37/38-42/43 S: 22-24-26-37

SPECIFICATIONS:

Assay (Iodom.) ..... 98 %*
Insoluble matter in H_2O ..... 0,02 %
Residue on ignition (as SO_4) ..... 0,1 %
Chloride and Chlorate (as Cl) ..... 0,005 %
Heavy metals (as Pb) ..... 0,005 %
Cu ..... 0,005 %
Fe ..... 0,003 %
Ni ..... 0,005 %
Pb ..... 0,001 %

*At the moment of the batch analysis

Order code	Package	Units/Box st.
141138.1610	500 g	6
141138.1611	1000 g	6
141138.1214	5 kg	4
141138.0416	25 kg	

Ammonium Persulphate

(see Ammonium Peroxodisulphate)

Ammonium Phosphate di-Basic

(see di-Ammonium Hydrogen Phosphate)

Ammonium Phosphate mono-Basic

(see Ammonium di-Hydrogen Phosphate)

Ammonium Polysulphide solution 25% w/w PRS

$(NH_4)_2S_x$

CAS: 9080-17-5 EINECS: 232-989-1 NC: 2830 90 85 UN: 2818
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C N

R: 31-34-50 S: 26-45-61 CE: 016-008-00-2

1l~1,070kg 1kg~0,935l

SPECIFICATIONS:

Density at 20/4 1,065-1,090

Order code	Package	Units/Box st.
141139.1611	1000 ml	6
141139.0716	25 l	

Ammonium Purpurate

(see Murexide)

Ammonium Rhodanide

(see Ammonium Thiocyanate)

Ammonium Sodium Hydrogen Phosphate 4-hydrate (Reag. USP) PA

$NaNH_4HPO_4.4H_2O$

M: 209,07 CAS: 13011-54-6 EINECS: 235-860-8 NC: 2835 29 90
SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in NH_4OH ..... 0,01 %
Chloride (Cl) ..... 0,002 %
Nitrate (NO_3) ..... 0,002 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
121727.1210	500 g	6
121727.1211	1000 g	6
121727.0914	5 kg	
121727.0416	25 kg	

Ammonium Sulfocyanide

(see Ammonium Thiocyanate)

Ammonium Sulphamate (Reag. Ph. Eur.) PA-ACS

$H_2NSO_3NH_4$

M: 114,12 CAS: 7773-06-0 EINECS: 231-871-7 NC: 2842 90 80
SPECIFICATIONS:

Minimum assay ..... 99,0 %
Melting range (including 133,0°C) ..... 2°C
pH of 5% solution 5,0-6,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 105°C ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,05 %
Chloride (Cl) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0005 %
Ca ..... 0,001 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
132750.1208	100 g	6
132750.1209	250 g	6
132750.0914	5 kg	

Ammonium Sulphaminate

(see Ammonium Sulphamate)

Ammonium Sulphate (Reag. Ph. Eur.) PA-ACS-ISO

$(NH_4)_2SO_4$

M: 132,14 CAS: 7783-20-2 EINECS: 231-984-1 NC: 3102 21 00
SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99,0 %
pH of 5% solution 5,0-6,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 100°C ..... 0,1 %
Residue on ignition (as SO_4) ..... 0,005 %
Chloride (Cl) ..... 0,0005 %
Phosphate (PO_4) ..... 0,0005 %
Nitrate (NO_3) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00002 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Fe	5	Pb	5
Al	5	Ga	5	Pt	5
Au	5	Ge	5	Sb	5
B	5	Hg	5	Si	5
Be	5	In	5	Sn	5
Bi	5	K	50	Sr	5
Ca	20	Mg	20	Ti	5
Cd	5	Mn	5	Tl	5
Co	5	Mo	5	V	5
Cr	5	Na	50	Zn	5
Cu	5	Ni	5	Zr	5

Order code	Package	Units/Box st.
131140.1210	500 g	6
131140.1211	1000 g	6
131140.1214	5 kg	4
131140.0416	25 kg	

Ammonium Sulphate PA

for the N determination in milk according to ISO 8968-2:2001 and 8968-3:2004
$(NH_4)_2SO_4$

M: 132,14 CAS: 7783-20-2 EINECS: 231-984-1 NC: 3102 21 00
SPECIFICATIONS:

Assay (N Deter.) ..... 99,9-100,0 %

Order code	Package	Units/Box st.
121140.1208	100 g	6

Ammonium Sulphate PRS

$(NH_4)_2SO_4$

M: 132,14 CAS: 7783-20-2 EINECS: 231-984-1 NC: 3102 21 00
SPECIFICATIONS:

Assay (Acidim.) ..... 98,0 %
Residue on ignition (as SO_4) ..... 0,25 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0003 %
Cu ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141140.1210	500 g	6
141140.1211	1000 g	6
141140.1214	5 kg	4
141140.0416	25 kg	

Ammonium Sulphate (E-517, F.C.C.) ADITIO

$(NH_4)_2SO_4$

M: 132,14 CAS: 7783-20-2 EINECS: 231-984-1 NC: 3102 21 00

SPECIFICATIONS:

Assay (as $(NH_4)_2SO_4$) 99,0-100,5%
Residue on Ignition, not more than ..... 0,25 %
Selenium, not more than ..... 0,003 %
Lead, not more than ..... 3 ppm
Specifications Dir. 2008/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
201140.1214	5 kg	4
201140.0416	25 kg	

AMMONIUM SULPHIDE SOLUTIONS

Ammonium Sulphide solution 20% w/w PRS

$(NH_4)_2S$

M: 68,14 CAS: 12135-76-1 EINECS: 235-223-4 NC: 2830 90 85 UN: 2683
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

C

R: 31-34 S: 26

1l~1,000kg 1kg~1,000l

SPECIFICATIONS:

Assay (Iodom.) ..... 20 %
Residue on ignition (as SO_4) ..... 0,05 %
Chloride (Cl) ..... 0,05 %
Ca ..... 0,003 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,001 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
143299.1611	1000 ml	6
143299.0716	25 l	
143299.0718	60 l	

Ammonium Sulphide solution 10% w/v PRS

$(NH_4)_2S$

M: 68,14 CAS: 12135-76-1 EINECS: 235-223-4 NC: 2830 90 85 UN: 2683
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

C

R: 31-34 S: 26

1l~0,99kg 1kg~1,01l

SPECIFICATIONS:

Assay (Iodom.) ..... 10 %
Chloride (Cl) ..... 0,05 %

Order code	Package	Units/Box st.
141145.1611	1000 ml	6
141145.0716	25 l	

Ammonium Sulphite 1-hydrate QP

$(NH_4)_2SO_3.H_2O$

M: 134,14 CAS: 10196-04-0 EINECS: 233-484-9 NC: 2832 20 00

HAZARDOUS:

Xi

R: 31-36/37 S: 3/7-26

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 92 %
Insoluble matter in H_2O ..... 0,01 %
Chloride (Cl) ..... 0,01 %

Order code	Package	Units/Box st.
211142.1608	100 g	6

di-Ammonium Tartrate PA

$(CHOHCOONH_4)_2$

M: 184,15 CAS: 3164-29-2 EINECS: 221-618-9 NC: 2918 13 00

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99 %
pH of 5% solution 6,5-7,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Residue on ignition (as SO_4) ..... 0,05 %
Chloride (Cl) ..... 0,001 %
Phosphate (PO_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
121146.1211	1000 g	6
121146.0914	5 kg	
121146.0416	25 kg	

di-Ammonium Tartrate PRS

$(CHOHCOONH_4)_2$

M: 184,15 CAS: 3164-29-2 EINECS: 221-618-9 NC: 2918 13 00

SPECIFICATIONS:

Assay (Acidim.) ..... 98 %
pH of 5% solution 6,5-7,0
Insoluble matter in H_2O ..... 0,02 %
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,002 %
Sulphate (SO_4) ..... 0,01 %
As ..... 0,0001 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141146.1211	1000 g	6

Ammonium Thiocyanate (Reag. Ph. Eur.) PA-ACS-ISO

NH_4SCN

M: 76,12 CAS: 1762-95-4 EINECS: 217-175-6 NC: 2842 90 80

HAZARDOUS:

Xn

R: 20/21/22-32 S: 13 CE: 615-004-00-3

SPECIFICATIONS:

Minimum assay (Arg.) ..... 99,0 %
pH of 5% solution 4,5-6,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Residue on ignition (as SO_4) ..... 0,025 %
Iodine-reducing substances ..... 0,002 meq/g
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
Sulphide (S) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0001 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
131143.1210	500 g	6
131143.1211	1000 g	6
131143.0914	5 kg	
131143.0416	25 kg	

Ammonium Thiocyanate PRS

NH_4SCN

M: 76,12 CAS: 1762-95-4 EINECS: 217-175-6 NC: 2842 90 80

HAZARDOUS:

Xn

R: 20/21/22-32 S: 13 CE: 615-004-00-3

SPECIFICATIONS:

Assay (Arg.) ..... 99 %
pH of 5% solution 4,5-6,0
Insoluble matter in H_2O ..... 0,02 %
Residue on ignition (as SO_4) ..... 0,1 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Sulphide (S) ..... 0,005 %
Heavy metals (as Pb) ..... 0,002 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141143.1210	500 g	6
141143.1211	1000 g	6
141143.0914	5 kg	
141143.0416	25 kg	

AMMONIUM THIOCYANATE VOLUMETRIC SOLUTIONS

Ammonium Thiocyanate 0,1 mol/l (0,1N) SV

Indicator: Ammoniacal Iron Alum
NH_4SCN
M: 76,12 CAS: 1762-95-4 EINECS: 217-175-6 NC: 2842 90 80
1l~1,001kg 1kg~0,999l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
181144.1211	1000 ml	6

Ammonium Thiocyanate 0,1 mol (7,612g NH_4SCN) to prepare 1l of 0,1N solution SVc

CAS: 1762-95-4 EINECS: 217-175-6 NC: 2837 20 00
SPECIFICATIONS:
Titer .....1,000 ±0,002

Order code	Package	Units/Box st.
303116.1920	1 ampoule	6

Ammonium Thiocyanate 1 mol/l (1N) SV

Indicator: Ammoniacal Iron Alum
NH_4SCN
M: 76,12 CAS: 1762-95-4 EINECS: 217-175-6 NC: 2842 90 80
1l~1,018kg 1kg~0,982l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
182126.1211	1000 ml	6

Ammonium meta-Vanadate (Reag. USP, Ph. Eur.) PA-ACS

NH_4VO_3
M: 116,98 CAS: 7803-55-6 EINECS: 232-261-3 NC: 2841 90 30 UN: 2859
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T
R: 25-36/37/38 S: 37-45
SPECIFICATIONS:
Minimum assay (Redox) .....99,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in NH_4OH .....0,01 %
Carbonate (CO_3) .....0,3 %
Chloride (Cl) .....0,005 %
Phosphate (PO_4) .....0,005 %
Sulphate (SO_4) .....0,01 %
Cu .....0,002 %
Fe .....0,002 %
Ni .....0,002 %
Pb .....0,002 %

Order code	Package	Units/Box st.
132352.1209	250 g	6
132352.1211	1000 g	6
132352.0914	5 kg	

Ammonium meta-Vanadate PRS

NH_4VO_3
M: 116,98 CAS: 7803-55-6 EINECS: 232-261-3 NC: 2841 90 30 UN: 2859
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T
R: 25-36/37/38 S: 37-45
SPECIFICATIONS:
Assay (Redox) .....98 %
Insoluble matter in NH_4OH .....0,02 %
Chloride (Cl) .....0,05 %
Sulphate (SO_4) .....0,05 %
Cu .....0,005 %
Fe .....0,005 %
Ni .....0,005 %
Pb .....0,005 %

Order code	Package	Units/Box st.
142352.1209	250 g	6
142352.1211	1000 g	6
142352.1214	5 kg	

Ammonium mono-Vanadate

(see Ammonium meta-Vanadate)

iso-Amyl Acetate

(see Isoamyl Acetate)

Amyl Alcohol according to NF V 04-210 PA

for determination of fat in milk
$C_5H_{12}O$
M: 88,15 NC: 2905 19 00 UN: 1105
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
Xn
R: 10-20 S: 24/25 CE: 603-006-00-7
1l~0,813kg 1kg~1,230l
SPECIFICATIONS:
Minimum assay (G.C.) (as 3-Methyl-1-Butanol + 2-Methyl-1-Butanol) .....98 %
Assay (G.C.) (as 3-Methyl-1-Butanol) .....89-93 %
Assay (G.C.) (as 2-Methyl-1-Butanol) .....7-11 %
Density at 20/4 0,808-0,818
Distillation range .....128-132°C
MAXIMUM LIMIT OF IMPURITIES
Non-volatile matter .....0,005 %
Furfuraldehyde and other organic impurities .....p/t.
Fat .....p/t.
Water (H_2O) .....0,5 %

Order code	Package	Units/Box st.
125715.1611	1000 ml	6

n-Amyl Alcohol

(see 1-Pentanol)

iso-Amyl Alcohol

(see 3-Methyl-1-Butanol)

iso-Amyl Alcohol according to Gerber

(see 3-Methyl-1-Butanol according to Gerber)

4-Amylbenzoyl Chloride

(see 4-Pentylbenzoyl Chloride)

Amyl Bromide

(see 1-Bromopentane)

iso-Amyl Nitrite

(see Isoamyl Nitrite)

Aniline (Reag. Ph. Eur.) PA-ACS

$C_6H_5NH_2$
M: 93,13 CAS: 62-53-3 EINECS: 200-539-3 NC: 2921 41 00 UN: 1547
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:
T N
R: 23/24/25-40-41-43-48/23/24/25-68-50
S: 26-27-36/37/39-45-46-61-63 CE: 612-008-00-7
1l~1,022kg 1kg~0,978l
SPECIFICATIONS:
Minimum assay (G.C.) .....99,5 %
Identity .....IR p/t.
Density at 20/4 1,021-1,023
MAXIMUM LIMIT OF IMPURITIES
APHA colour 250
Residue on ignition .....0,005 %
Chlorobenzene (G.C.) .....0,01 %
Hydrocarbons .....p/t.
Nitrobenzene (G.C.) .....0,001 %
Water (H_2O) .....0,1 %
Ca .....0,00005 %
Cd .....0,000005 %
Co .....0,000002 %
Cr .....0,000002 %
Cu .....0,000002 %
Fe .....0,00001 %
Mg .....0,00001 %
Mn .....0,000002 %
Ni .....0,000002 %
Pb .....0,00001 %
Zn .....0,00001 %

Order code	Package	Units/Box st.
131156.1609	250 ml	6

Aniline PRS

$C_6H_5NH_2$

M: 93,13 CAS: 62-53-3 EINECS: 200-539-3 NC: 2921 41 00 UN: 1547
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:

T N

R: 23/24/25-40-41-43-48/23/24/25-68-50
S: 26-27-36/37/39-45-46-61-63 CE: 612-008-00-7

1l~1,022kg 1kg~0,978l
SPECIFICATIONS:

Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,021-1,023
Residue on ignition ..... 0,01 %
Nitrobenzene (G.C.) ..... 0,01 %
Water (H_2O) ..... 0,2 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141156.1611	1000 ml	6
141156.1214	5 l P	4
141156.0718	60 l P	

Aniline, 99% PS

$C_6H_5NH_2$

M: 93,13 CAS: 62-53-3 EINECS: 200-539-3 NC: 2921 41 00 UN: 1547
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:

T N

R: 23/24/25-40-41-43-48/23/24/25-68-50
S: 26-27-36/37/39-45-46-61-63 CE: 612-008-00-7

1l~1,022kg 1kg~0,978l
SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
151156.1611	1000 ml	6
151156.1612	2,5 l	4

Aniline Blue WS (C.I. 42755) DC

for microscopy, collagen staining

$C_{32}H_{25}N_3Na_2O_9S_3$

M: 737,74 CAS: 28631-66-5 EINECS: 249-113-9 NC: 3204 12 00
SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 585-595 nm
Ratio λmax. P ± 15 nm 1,00-1,03
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C ..... 10 %

Order code	Package	Units/Box st.
253708.1604	5 g	6
253708.1606	25 g	6

Aniline Hydrochloride

(see Anilinium Chloride)

Anilinium Chloride PA

$C_6H_5NH_2.HCl$

M: 129,60 CAS: 142-04-1 EINECS: 205-519-8 NC: 2921 41 00 UN: 1548
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T N

R: 20/21/22-40-48/23/24/25-50 S: 28a-36/37-45-61
CE: 612-009-00-2
SPECIFICATIONS:

Minimum assay (Arg) ..... 99,0 %
Identity ..... IR p/t.
Melting range ..... 197-199°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... p/t.
Residue on ignition (as SO_4) ..... 0,05 %
Sulphate (SO_4) ..... 0,01 %
Cu ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
121157.1610	500 g	6

Anilinium Chloride, 99% PS

$C_6H_5NH_2.HCl$

M: 129,60 CAS: 142-04-1 EINECS: 205-519-8 NC: 2921 41 00 UN: 1548
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T N

R: 20/21/22-40-48/23/24/25-50 S: 28a-36/37-45-61
CE: 612-009-00-2
SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.
Melting range ..... 197-199°C

Order code	Package	Units/Box st.
151157.1608	100 g	6
151157.1610	500 g	6

p-Anisaldehyde

(see 4-Methoxybenzaldehyde)

p-Anisic Acid

(see 4-Methoxybenzoic Acid)

Anisic Aldehyde

(see 4-Methoxybenzaldehyde)

Anisole, 99% PS

C_7H_8O

M: 108,14 CAS: 100-66-3 EINECS: 202-876-1 NC: 2909 30 90 UN: 2222
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xi

R: 10-36/37/38 S: 16-24

1l~0,993kg 1kg~1,006l
SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,993-0,994

Order code	Package	Units/Box st.
15A716.1611	1000 ml	6

9,10-Anthracenedione

(see Anthraquinone)

9-Anthracenemethanol, 98% PS

$C_{15}H_{12}O$

M: 208,26 CAS: 1468-95-7 EINECS: 215-998-5 NC: 2906 29 00
SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A137.1604	5 g	6

Anthranilic Acid

(see 2-Aminobenzoic Acid)

Anthraquinone, 98% PS

$C_{14}H_8O_2$

M: 208,22 CAS: 84-65-1 EINECS: 201-549-0 NC: 2914 61 00
SPECIFICATIONS:

Minimum assay (Spectrophotometric) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 283-286°C

Order code	Package	Units/Box st.
15A718.1209	250 g P	6
15A718.1210	500 g P	6
15A718.0914	5 kg PP	

Anthrone (Reag. Ph. Eur.) PA-ACS

$C_{14}H_{10}O$

M: 194,22 CAS: 90-44-8 EINECS: 201-994-0 NC: 2914 39 00
SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 154,5-157,5°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in $CH_3COOC_2H_5$ ..... p/t.
Insoluble matter in Cl_4C ..... p/t.
Loss on drying at 105°C ..... 0,5 %
Sensitivity to carbohydrates ..... p/t.
Absorbance ..... p/t.
Anthranol ..... p/t.
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Sn ..... 0,005 %

Order code	Package	Units/Box st.
132441.1605	10 g	6
132441.1606	25 g	6

Anthrone, 98% PS

$C_{14}H_{10}O$

M: 194,22 CAS: 90-44-8 EINECS: 201-994-0 NC: 2914 39 00

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 154,5-157,5°C

Order code	Package	Units/Box st.
162441.1606	25 g	6
162441.1608	100 g	6

Antimony metal, pieces QP

Sb

M: 121,75 CAS: 7440-36-0 EINECS: 231-146-5 NC: 8110 90 00

SPECIFICATIONS:

Bi ..... 0,05 %
Cd ..... 0,05 %
Cu ..... 0,05 %
Fe ..... 0,25 %
Ni ..... 0,1 %
Pb ..... 0,5 %
Sn ..... 0,1 %
Zn ..... 0,05 %

Order code	Package	Units/Box st.
212722.1208	100 g	6

ANTIMONY SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Antimony(III) Chloride, 98% PS

$SbCl_3$

M: 228,11 CAS: 10025-91-9 EINECS: 233-047-2 NC: 2827 39 85 UN: 1733
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816

HAZARDOUS:

C N

R: 34-51/53 S: 26-45-61 CE: 051-001-00-8

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... p/t.

Order code	Package	Units/Box st.
151815.1608	100 g	6
151815.1610	500 g	6

Antimony(III) Oxide PA

Sb_2O_3

M: 291,50 CAS: 1309-64-4 EINECS: 215-175-0 NC: 2825 80 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

Xn N

R: 20/22-51/53 S: 61 CE: 051-005-00-X

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl ..... 0,05 %
Chloride (Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,01 %
Ca ..... 0,005 %
Cu ..... 0,005 %
Fe ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
121158.1208	100 g	6
121158.1211	1000 g	6
121158.1214	5 kg	4

Antimony(III) Oxide QP

Sb_2O_3

M: 291,50 CAS: 1309-64-4 EINECS: 215-175-0 NC: 2825 80 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

Xn N

R: 20/22-51/53 S: 61 CE: 051-005-00-X

SPECIFICATIONS:

Assay (Iodom.) ..... 98 %
Fe ..... 0,01 %
Pb ..... 0,2 %

Order code	Package	Units/Box st.
211158.1211	1000 g	6

Antimony(III) Potassium Tartrate

(see Potassium Antimony(III) Tartrate 3-hydrate)

APDC

(see 1-Pyrrolidinedithiocarboxylic Acid Ammonium Salt)

AQUAMETRIC, KARL FISCHER'S REAGENTS WITHOUT PYRIDINE

AQUAMETRIC Buffer RV

working medium for volumetric Karl Fischer titrations.
Buffer capacity 5 mmol acid/ml

NC: 3822 00 00 UN: 3286
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F T C

R: 11-23/24/25-34-39/23/24/25 S: 7-16-36/37/39-45

1l~0,958kg 1kg~1,044l

SPECIFICATIONS:

Suitability for H_2O determination ..... p/t.
Protect from moisture.
Close the bottle immediatly after use.

Order code	Package	Units/Box st.
285820.1610	500 ml	6

AQUAMETRIC Composite 2RV

for volumetric Karl Fischer titrations. One-component reagent.
1 ml corresponds to 2 mg of H_2O

NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

C Xn N

R: 20/21/22-34-51 S: 23c-26-36/37/39-45-61

1l~1,110kg 1kg~0,901l

SPECIFICATIONS:

1 ml corresponds to: ..... min. 2,0 mg of H_2O*
Protect from moisture.
*At the moment of the batch analysis

Order code	Package	Units/Box st.
285813.1611	1000 ml	6
285813.1612	2,5 l	4

AQUAMETRIC Composite 5 RV

for volumetric Karl Fischer titrations. One-component reagent.
1 ml corresponds to ~5 mg of H_2O

NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

C Xn N

R: 20/21/22-34-51 S: 23c-26-36/37/39-45-61

1l~1,170kg 1kg~0,855l

SPECIFICATIONS:

1 ml corresponds to: ..... min. 5,0 mg of H_2O*
Protect from moisture.
*At the moment of the batch analysis

Order code	Package	Units/Box st.
285812.1610	500 ml	6
285812.1611	1000 ml	6
285812.1612	2,5 l	4

AQUAMETRIC Composite 5K RV

for volumetric Karl Fischer titrations in ketones and aldehydes.
One-component reagent. 1 ml corresponds to ~5 mg of H_2O

NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

C Xn N

R: 20/21/22-34-51 S: 23c-26-36/37/39-45-61

1l~1,170kg 1kg~0,855l

SPECIFICATIONS:

1 ml corresponds to: ..... min. 5,0 mg of H_2O*
Protect from moisture.
*At the moment of the batch analysis

Order code	Package	Units/Box st.
285814.1610	500 ml	6
285814.1611	1000 ml	6

AQUAMETRIC Coulomat A RV

anolyte for the coulometric determination of water. Use with AQUAMETRIC Coulomat C

NC: 3822 00 00 UN: 3286
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F T C

R: 11-23/24/25-34-39-40-48/20/22-68/20/21/22-63
S: 26-36/37/39-45

1l~1,105kg 1kg~0,905l

SPECIFICATIONS:

Suitability for H_2O determination ..... p/t.
Contains: Methanol, Trichloromethane, Imidazole, Sulphur Dioxide, Iodine.

Order code	Package	Units/Box st.
286181.1610	500 ml	6

AQUAMETRIC Coulomat C RV

catholyte for the coulometric determination of water.Use with AQUAMETRIC Coulomat A

NC: 3822 00 00 UN: 3286

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F T C

R: 11-23/24/25-34-39/23/24/25-40-63-48/23-59
S: 26-36/37/39-45

1l~1,004kg 1kg~0,996l

SPECIFICATIONS:
Suitability for H_2O determination ..... p/t.
Contains: Methanol, Iodine, Sulphur Dioxide, Diethanolamine, Carbon Tetrachloride.

Order code	Package	Units/Box st.
286182.1606	25 ml	6

AQUAMETRIC Formamide KF dry

(see Formamide AQUAMETRIC KF dry)

AQUAMETRIC Solvent RV

for volumetric Karl Fischer titrations. Use with AQUAMETRIC Titrant

NC: 3822 00 00 UN: 3286

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F T C

R: 11-23/24/25-34-39/23/24/25 S: 7-16-36/37/39-45

1l~0,877kg 1kg~1,140l

SPECIFICATIONS:
Suitability for H_2O determination ..... p/t.
Protect from moisture.
Close the bottle immediatly after use.

Order code	Package	Units/Box st.
285817.1611	1000 ml	6
285817.1612	2,5 l	4

AQUAMETRIC Solvent CM RV

for volumetric Karl Fischer titrations in oils and fats. Use with AQUAMETRIC Titrant

NC: 3822 00 00 UN: 2810

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611

HAZARDOUS:

T Xi

R: 23/24/25-36/37/38-39/23/24/25-40 S: 7-36/37-45

1l~1,277kg 1kg~0,783l

SPECIFICATIONS:
Suitability for H_2O determination ..... p/t.
Protect from moisture.
Close the bottle immediatly after use.

Order code	Package	Units/Box st.
285819.1611	1000 ml	6
285819.1612	2,5 l	4

AQUAMETRIC Solvent Oil RV

for volumetric Karl Fischer titrations in oils. Free from halogenated hydrocarbons. Use with AQUAMETRIC Titrant

NC: 3822 00 00 UN: 1993

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn

R: 11-20/21/22 S: 7-16-36/37-45

1l~0,833kg 1kg~1,200l

SPECIFICATIONS:
Suitability for H_2O determination ..... p/t.
Protect from moisture.
Close the bottle immediatly after use.

Order code	Package	Units/Box st.
285818.1611	1000 ml	6

AQUAMETRIC Solvent Oil B RV

for volumetric Karl Fischer titrations in used industrial oils. Use with AQUAMETRIC Composite 5

NC: 3822 00 00 UN: 1992

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F T N

R: 11-23/24/25-38-40-39/23/24/25-48/20/22-51/53-62-65-67
S: 7-9-16-24/25-29-33-36/37-45-51-61-62

1l~0,967kg 1kg~1,034l

SPECIFICATIONS:
Suitability for H_2O determination ..... p/t.
Protect from moisture.
Close the bottle immediatly after use.

Order code	Package	Units/Box st.
286154.1611	1000 ml	6

AQUAMETRIC Titrant 2 RV

for volumetric Karl Fischer titrations.1 ml corresponds to min. 2,0 mg of H_2O (20°C).Use with AQUAMETRIC Solvent

NC: 3822 00 00 UN: 1992

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F T N

R: 11-23/24/25-39/23/24/25-51 S: 7-16-36/37-45-61

1l~0,80kg 1kg~1,25l

SPECIFICATIONS:
1 ml corresponds to: ..... min. 2,0 mg of H_2O (20°C)*
Protect from moisture.
*At the moment of the batch analysis

Order code	Package	Units/Box st.
285816.1610	500 ml	6
285816.1611	1000 ml	6
285816.1612	2,5 l	4

AQUAMETRIC Titrant 5 RV

for volumetric Karl Fischer titrations. 1 ml corresponds to min. 5,0 mg of H_2O (20°C)Use with AQUAMETRIC Solvent

NC: 3822 00 00 UN: 1992

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F T N

R: 11-23/24/25-39/23/24/25-51 S: 7-16-36/37-45-61

1l~0,85kg 1kg~1,18l

SPECIFICATIONS:
1 ml corresponds to: ..... min. 5,0 mg of H_2O(20°C)*
Protect from moisture.
*At the moment of the batch analysis

Order code	Package	Units/Box st.
285815.1610	500 ml	6
285815.1611	1000 ml	6
285815.1612	2,5 l	4

AQUAMETRIC Working Medium RV

for volumetric Karl Fischer titrations in ketones and aldehydes.
Use with AQUAMETRIC Composite 5K

NC: 3822 00 00 UN: 2810

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611

HAZARDOUS:

T+

R: 26/27/28-38-40-48/20/22 S: 7/9-28a-36/37-45

1l~1,356kg 1kg~0,737l

SPECIFICATIONS:
Suitability for H_2O determination ..... p/t.
Protect from moisture.

Order code	Package	Units/Box st.
285821.1610	500 ml	6
285821.1611	1000 ml	6

Arabic Gum powder PRS

CAS: 9000-01-5 EINECS: 232-519-5 NC: 1301 20 00

SPECIFICATIONS:
Identity ..... IR p/t.
Insoluble matter in HCl ..... 0,5 %
Residue on ignition ..... 5 %
Loss on drying at 105°C ..... 15 %
Starch and Dextrins ..... p/t.
Saccharose and Fructose ..... p/t.
Tannins ..... p/t.
As ..... 0,0003 %
Cu ..... 0,002 %
Fe ..... 0,01 %
Ni ..... 0,002 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
142061.1210	500 g	6
142061.1211	1000 g	6
142061.0914	5 kg	

Arabic Gum powder (E-414, F.C.C.) ADITIO

CAS: 9000-01-5 EINECS: 232-519-5 NC: 1301 20 00

SPECIFICATIONS:

Arsenic (as As), not more than ..... 3 ppm
Heavy metals (as Pb), not more than ..... 0,002 %
Lead, not more than ..... 5 ppm
Starch and Dextrin..... p/t.
Tannin ..... p/t.
Insoluble matter, not more than..... 1,0 %
Ash (acid-insoluble), not more than..... 0,5 %
Ash (total), not more than ..... 4,0 %
Loss on drying, not more than ..... 15,0 %
Mercury, not more than ..... 1 ppm
Cadmium, not more than ..... 1 ppm
Products obtained from hydrolysis
(mannose, xylose, galacturonic acid) ..... absence
Escherichia coli (in 5 g)..... absence
Salmonella (in 10 g) ..... absence
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
202061.0914	5 kg PP	
202061.0416	25 kg	

D(-)-Arabinose PB

$C_5H_{10}O_5$

M: 150,13 CAS: 10323-20-3 EINECS: 233-70-85 NC: 2940 00 00

SPECIFICATIONS:

Minimum assay (HPLC) ..... 99 %
Identity..... IR p/t.
Appearance ..... p/t.
Melting range..... 156-160°C
Specific rotation $[\alpha]^{20}$/D c=10 (in H_2O) ..... -102 to -106°

Order code	Package	Units/Box st.
375763.1206	25 g P	6

L(+)-Arabinose PB

$C_5H_{10}O_5$

M: 150,13 CAS: 5328-37-0 EINECS: 226-214-6 NC: 2940 00 00

SPECIFICATIONS:

Minimum assay ..... 98 %

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition (as SO_4) ..... 0,2 %
Water (H_2O) ..... 2 %

Order code	Package	Units/Box st.
375765.1206	25 g P	6

L-Arginine PB

$C_6H_{14}N_4O_2$

M: 174,20 CAS: 74-79-3 EINECS: 200-811-1 NC: 2925 29 00

HAZARDOUS:

Xi **R: 36 S: 26**

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99,0 %
Identity..... IR p/t.
T.L.C ..... p/t.
Specific rotat.$[\alpha]^{20}$/D c=8 (in HCl 6 mol/l)..... +26,3 to+27,6°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O..... 0,05 %
Loss on drying at 105°C..... 0,5 %
Residue on ignition (as SO_4) ..... 0,05 %
ABS at λ260 nm 0,5 mol/l sol. in water. 0,2
ABS at λ280 nm 0,5 mol/l sol. in water. 0,1
Chloride (Cl)..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb)..... 0,001 %
As ..... 0,0003 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr..... 0,0005 %
Cu ..... 0,0005 %
Fe..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
373464.1208	100 g P	6
373464.1210	500 g P	6

L-Arginine (USP, BP, Ph. Eur.) PRS-CODEX

$C_6H_{14}N_4O_2$

M: 174,20 CAS: 74-79-3 EINECS: 200-811-1 NC: 2925 29 00

HAZARDOUS:

Xi **R: 36 S: 26**

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) calc. a.d.s.....98,5-101,0 %
Identity according to Pharmacopoeias ..... p/t.
T.L.C ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=8 (in HCl 6 mol/l)calc. a.d.s. ....+26,3 to+27,6°

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O..... p/t.
Loss on drying at 105°C..... 0,5 %
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP)..... p/t.
Chloride (Cl)..... 0,02 %
Sulphate (SO_4) ..... 0,03 %
Ammonia (NH_4) ..... 0,02 %
Heavy metals (as Pb)..... 0,001 %
As ..... 0,00015 %
Cu ..... 0,001 %
Fe..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
143464.1208	100 g P	6
143464.1211	1000 g P	6

L-Arginine (F.C.C.) ADITIO

$C_6H_{14}N_4O_2$

M: 174,20 CAS: 74-79-3 EINECS: 200-811-1 NC: 2925 29 00

HAZARDOUS:

Xi **R: 36 S: 26**

SPECIFICATIONS:

Assay ($C_6H_{14}N_4O_2$) calc. a.d.s 99,5-101,5%
Lead, not more than ..... 5 ppm
Loss on drying, not more than ..... 1,0 %
Residue on ignition, not more than ..... 0,2 %
Specific rotation $[\alpha]^{20}$/D calc. a.d.s. .....+26,0 to +27,9°
Specifications F.C.C. 6

Order code	Package	Units/Box st.
203464.0914	5 kg PP	
203464.0416	25 kg	

L-Arginine, 99% PS

$C_6H_{14}N_4O_2$

M: 174,20 CAS: 74-79-3 EINECS: 200-811-1 NC: 2925 29 00

HAZARDOUS:

Xi **R: 36 S: 26**

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
153464.1606	25 g	6
153464.1608	100 g	6
153464.1610	500 g	6

L-Arginine mono-Hydrochloride PB

$C_6H_{15}ClN_4O_2$

M: 210,66 CAS: 1119-34-2 EINECS: 214-275-1 NC: 2925 29 00

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99,0 %
Identity ..... IR p/t.
T.L.C ..... p/t.
Specific Rotation $[\alpha]^{20}$/D c=8 (in HCl 6 mol/l) ..... +21,4 to +23,5°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 105°C ..... 0,2 %
Residue on ignition (as SO_4) ..... 0,05 %
ABS at λ260 nm sol. 1 mol/l in H_2O 0,2
ABS at λ280 nm sol. 1 mol/l in H_2O 0,1
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00015 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
374653.1208	100 g	6

L-Arginine mono-Hydrochloride (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_6H_{15}ClN_4O_2$

M: 210,66 CAS: 1119-34-2 EINECS: 214-275-1 NC: 2925 29 00

SPECIFICATIONS:

Assay (Perchl. Ac.) calc. a.d.s 98,5-101,0%
Assay (in Cl) (Arg.) ..... 16,5-17,1 %
Identity according to Pharmacopoeias ..... p/t.
T.L.C ..... p/t.
Specific Rotation $[\alpha]^{20}$/D c=8
(in HCl 6 mol/l) calc. a.d.s. ..... +21,4 to+23,5°

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Loss on drying at 105°C ..... 0,2 %
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Sulphate (SO_4) ..... 0,03 %
Ammonium (NH_4) ..... 0,02 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00015 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
144653.1209	250 g	6
144653.1211	1000 g	6

Arsenazo III (Reag. USP) PA

for complexometry

$C_{22}H_{18}As_2N_4O_{14}S_2$

M: 776,38 CAS: 1668-00-4 EINECS: 216-788-6 NC: 2931 00 95 UN: 3465
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T N R: 23/25-50/53 S: 20/21-28a-45-60-61 CE: 033-002-00-5

SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS in pH 10,0 solution ..... 572-578 nm
A 1%, 1 cm, λ max ..... >300

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in NaOH ..... p/t.
Loss on drying at 135°C ..... 10 %
Suitability as indicator ..... p/t.

Order code	Package	Units/Box st.
122370.1603	1 g	6

ARSENIC SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Arsenic(III) Oxide EQP-ACS

Primary Chemical Matter

As_2O_3

M: 197,84 CAS: 1327-53-3 EINECS: 215-481-4 NC: 2811 29 10 UN: 1561
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T+ N R: 45-E28-34-50/53 S: 53-45-60-61 CE: 033-003-00-0

SPECIFICATIONS:

Assay (Redox) after dried at 105°C 99,95-100,05%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl ..... 0,01 %
Residue on ignition ..... 0,02 %
Chloride (Cl) ..... 0,002 %
Sulphide (S) ..... 0,001 %
Heavy metals (as Pb) ..... 0,001 %
Ca ..... 0,005 %
Cd ..... 0,001 %
Co ..... 0,001 %
Cr ..... 0,001 %
Cu ..... 0,001 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,005 %
Mn ..... 0,001 %
Na ..... 0,005 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Sb ..... 0,05 %
Zn ..... 0,001 %

Order code	Package	Units/Box st.
241151.1521	10 x 1,5 g	6
241151.1608	100 g	6

Arsenic(III) Oxide (Reag. Ph. Eur.) PA

As_2O_3

M: 197,84 CAS: 1327-53-3 EINECS: 215-481-4 NC: 2811 29 10 UN: 1561
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T+ N R: 45-E28-34-50/53 S: 53-45-60-61 CE: 033-003-00-0

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in NH_4OH ..... 0,01 %
Residue on ignition ..... 0,05 %
Chloride (Cl) ..... 0,005 %
Sulphide (S) ..... 0,001 %
Cd ..... 0,001 %
Co ..... 0,001 %
Cr ..... 0,001 %
Cu ..... 0,001 %
Fe ..... 0,001 %
K ..... 0,005 %
Mg ..... 0,005 %
Mn ..... 0,001 %
Na ..... 0,005 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Sb ..... 0,05 %
Zn ..... 0,001 %

Order code	Package	Units/Box st.
121151.1210	500 g	6
121151.1211	1000 g	6
121151.1214	5 kg	4
121151.0716	25 kg	

Arsenic(III) Oxide PRS

As_2O_3

M: 197,84 CAS: 1327-53-3 EINECS: 215-481-4 NC: 2811 29 10 UN: 1561
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T+ N R: 45-E28-34-50/53 S: 53-45-60-61 CE: 033-003-00-0

SPECIFICATIONS:

Assay (Iodom.) ..... 98 %
Insoluble matter in NH_4OH ..... 0,02 %
Residue on ignition ..... 0,1 %
Chloride (Cl) ..... 0,005 %
Sulphide (S) ..... 0,005 %
Cu ..... 0,003 %
Fe ..... 0,003 %
Ni ..... 0,003 %
Pb ..... 0,003 %
Sb ..... 0,1 %

Order code	Package	Units/Box st.
141151.1210	500 g	6
141151.1211	1000 g	6

Arsenious anhydride

(see Arsenic(III) Oxide)

Arzene

(see Phenylarsine Oxide)

L(+)-Ascorbic Acid PA-ACS

$C_6H_8O_6$

M: 176,13 CAS: 50-81-7 EINECS: 200-066-2 NC: 2936 27 00

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 99,0 %
Identity ..... IR p/t.
Melting range ..... 188-192°C
Specific rotation $[\alpha]^{20}$/D c=10 (in H_2O) ..... +20,5 to+21,5°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Loss on drying at 105°C ..... 0,1 %
Residue on ignition (as SO_4) ..... 0,05 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,001 %
Cu ..... 0,00003 %
Fe ..... 0,0002 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
131013.1208	100 g	6
131013.1209	250 g	6
131013.1211	1000 g	6
131013.1214	5 kg	4
131013.0416	25 kg	

L(+)-Ascorbic Acid (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_6H_8O_6$

M: 176,13 CAS: 50-81-7 EINECS: 200-066-2 NC: 2936 27 00

SPECIFICATIONS:

Assay (Iodom.) 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=10 (in H_2O) ..... +20,5 to+21,5°

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Residue on ignition (as SO_4) ..... 0,1 %
Oxalic acid ..... 0,2 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Chloride (Cl) ..... 0,025 %
Sulphate (SO_4) ..... 0,01 %
Related substances:
D-Sorbosonic Acid ..... 0,1 %
Other impurities ..... 0,10 %
Total impurities ..... 0,2 %
Heavy metals (as Pb) ..... 0,001 %
Cu ..... 0,0005 %
Fe ..... 0,0002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141013.1211	1000 g	6
141013.1214	5 kg	4

L(+)-Ascorbic Acid (E-300, F.C.C.) ADITIO

$C_6H_8O_6$

M: 176,13 CAS: 50-81-7 EINECS: 200-066-2 NC: 2936 27 00

SPECIFICATIONS:

Assay (as $C_6H_{14}O_6$) (after drying) 99,0-100,5%
Arsenic (as As), not more than ..... 3 ppm
Lead, not more than ..... 2 ppm
Heavy metals (as Pb), not more than ..... 0,001 %
Residue on ignition, not more than ..... 0,1 %
Specific rotation $[\alpha]^{20}$/D ..... +20,5 to+21,5°
pH of 2% solution 2,4-2,8
Loss on drying, not more than ..... 0,4 %
Melting range ..... 189-193°C
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201013.1214	5 kg	4
201013.0416	25 kg	

L-Asparagine 1-hydrate, 99% PS

$C_4H_8N_2O_3.H_2O$

M: 150,13 CAS: 5794-13-8 EINECS: 200-735-9 NC: 2922 49 95

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
15B089.1606	25 g	6
15B089.1609	250 g	6

L-Aspartic Acid PB

$C_4H_7NO_4$

M: 133,10 CAS: 56-84-8 EINECS: 200-291-6 NC: 2922 49 95

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99,0 %
Identity ..... IR p/t.
T.L.C ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=8 (in HCl 7 mol/l) ..... +24,0 to +26,0°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl 1 mol/l ..... 0,05 %
Loss on drying at 105°C ..... 0,2 %
Residue on ignition (as SO_4) ..... 0,1 %
ABS at λ260 nm 0,5 mol/l sol. in HCl 1 mol/l 0,25
ABS at λ280 nm 0,5 mol/l sol. in HCl 1 mol/l 0,2
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00015 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,005 %
Mn ..... 0,0005 %
Na ..... 0,01 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
372034.1208	100 g	6

L-Aspartic Acid (RFE, BP, Ph. Eur.) PRS-CODEX

$C_4H_7NO_4$

M: 133,10 CAS: 56-84-8 EINECS: 200-291-6 NC: 2922 49 95

SPECIFICATIONS:

Assay (Acidim.) calc. a.d.s. ..... 98,5-101,5 %
Identity according to Pharmacopoeias ..... p/t.
T.L.C. ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=8 (in HCl 7 mol/l) (calc. a.d.s.) ..... +24,0 to +26,0°

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in HCl 1 mol/l ..... p/t.
Loss on drying at 105°C ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Chloride (Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,03 %
Ammonium (NH_4) ..... 0,02 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00015 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
142034.1210	500 g	6

L-Aspartic Acid (F.C.C.) ADITIO

$C_4H_7NO_4$

M: 133,10 CAS: 56-84-8 EINECS: 200-291-6 NC: 2922 49 95

SPECIFICATIONS:

Assay (as $C_4H_7NO_4$) calc. a.d.s 98,5-101,5%
Heavy metals (as Pb), not more than ..... 10 ppm
Lead, not more than ..... 5 ppm
Loss on drying, not more than ..... 0,25 %
Residue on ignition, not more than ..... 0,1 %
Specific rotation $[\alpha]^{20}$/D calc. a.d.s. ..... +24,5 to +26,0°
Specifications F.C.C. 6

Order code	Package	Units/Box st.
202034.0914	5 kg	

L-Aspartic Acid, 99% PS

$C_4H_7NO_4$

M: 133,10 CAS: 56-84-8 EINECS: 200-291-6 NC: 2922 49 95

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
162034.1208	100 g	6
162034.1210	500 g	6

DL-Aspartic Acid PRS

$C_4H_7NO_4$

M: 133,10 CAS: 617-45-8 EINECS: 210-513-3 NC: 2922 49 95

SPECIFICATIONS:

Assay (Perchl. Ac.) ..... 99 %
Identity ..... IR p/t.
Insoluble matter in HCl 1 mol/l ..... 0,05 %
Loss on drying at 105°C ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,1 %
Chloride (Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,03 %
Ammonium (NH_4) ..... 0,02 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00015 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
142422.1210	500 g	6

DL-Aspartic Acid (F.C.C.) ADITIO

$C_4H_7NO_4$

M: 133,10 CAS: 617-45-8 EINECS: 210-513-3 NC: 2922 49 95

SPECIFICATIONS:

Assay (as $C_4H_7NO_4$) calc. a.d.s 98,5-101,5%
Lead, not more than ..... 5 ppm
Loss on drying, not more than ..... 0,3 %
Residue on ignition, not more than ..... 0,1 %
Specifications F.C.C. 6

Order code	Package	Units/Box st.
202422.0914	5 kg	

ATOMIC ABSORPTION STANDARDS

(see Standards for Atomic Absorption)

Auramine O (C.I. 41000) DC

for microscopy, fluorescent staining

$C_{17}H_{22}ClN_3$

M: 303,84 CAS: 2465-27-2 EINECS: 219-567-2 NC: 3204 13 00 UN: 3143

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn

R: 22-36-40 S: 36/37 CE: 612-097-00-2

SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 429-433 nm
A 1%; 1cm; λmax ..... >900
Ratio λmax. P ± 15 nm 1,02-1,10
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 135°C ..... 10 %

Order code	Package	Units/Box st.
251162.1607	50 g	6
251162.1608	100 g	6

Aurine

(see Rosolic Acid)

Azidiol RE

for preserving milk samples

NC: 3822 00 00 UN: 3287

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618

HAZARDOUS:

T

R: 25-52 S: 28a-45-60-61

1l~1,035kg 1kg~0,966l

Composition:
Chloramphenicol ..... 0,75 g
Ethanol absolute ..... 10 ml
Bromophenol Blue ..... 0,35 g
Sodium Azide ..... 18 g
tri-Sodium Citrate 5,5-hydrate ..... 45 g
Water s.q.m. ..... 1000 ml

Order code	Package	Units/Box st.
176131.1611	1000 ml	6

Azomethine H (Reag. Ph. Eur.) PA

boron reagent

$C_{17}H_{13}NO_8S_2$

M: 423,42 CAS: 32266-60-7 EINECS: 250-975-3 NC: 2925 29 00

SPECIFICATIONS:

Identity ..... IR p/t.
A 1%; 1cm; λ236 nm; at pH 5,1 ..... >1200

MAXIMUM LIMIT OF IMPURITIES

Sensitivity to B ..... p/t.

Order code	Package	Units/Box st.
123581.1604	5 g	6
123581.1605	10 g	6

Azorubin S

(see Amaranth)

Azoviolet

(see Magneson I)

Azur II (C.I. 52010+52015) DC

for microscopy, blood smears staining

CAS: 37247-10-2 NC: 3204 13 00

SPECIFICATIONS:

λ of max. ABS in H_2O 652-658
A 1%; 1 cm; λmax. ..... > 800

Order code	Package	Units/Box st.
251178.1606	25 g	6

Azur B (C.I. 52010) DC

for microscopy

$C_{15}H_{16}N_3SCl$

M: 305,83 CAS: 531-55-5 EINECS: 208-511-2 NC: 3204 13 00

SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 647-655 nm
A 1%, 1 cm, λmax ..... >1200
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C ..... 8 %

Order code	Package	Units/Box st.
255075.1606	25 g	6

Azur C (C.I. 52002) DC

for microscopy, blood smears staining

CAS: 531-57-7 EINECS: 208-512-8 NC: 3204 13 00

SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 619-634 nm
A 1%, 1 cm, λmax ..... >600
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C ..... 8 %

Order code	Package	Units/Box st.
252419.1606	25 g	6

Azur-Eosin-Methylene Blue dye according to Giemsa DC

for hematology, blood smears and protozoos staining

CAS: 51811-82-6 EINECS: 257-438-2 NC: 3204 19 00

SPECIFICATIONS:

λ_1 of max. ABS in CH_3OH ..... 524-527 nm
λ_2 of max. ABS in CH_3OH ..... 647-650 nm
A 1%; 1 cm; λ_1 max ..... >350
A 1%; 1 cm; λ_2 max ..... >800
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C ..... 10 %

Order code	Package	Units/Box st.
251337.1606	25 g	6
251337.1608	100 g	6

PAI
UV-IR-HPLC

Disolventes para HPLC y espectroscopia
Solvents for HPLC and spectroscopy
Solvants pour HPLC et spectroscopie

Azur-Eosin-Methylene Blue solution according to Giemsa (slow) DC

for hematology, blood smears and protozoos staining

NC: 3822 00 00 UN: 1992

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F T **R: 10-23/24/25-39/23/24/25 S: 7-16-36/37-45**

1l~1,058kg 1kg~0,945l

SPECIFICATIONS:

Composition:

Azur-Eosin-Methylene Blue dye according to Giemsa.....0,5 g
Methanol.....50 ml
Glycerol .....50 ml

Order code	Package	Units/Box st.
251338.1608	100 ml	6
251338.1610	500 ml	6
251338.1611	1000 ml	6
251338.1612	2,5 l	4

Barbital

(see 5,5-Diethylbarbituric Acid)

Barbital Sodium

(see Sodium 5,5-Diethylbarbiturate)

BARIUM SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Barium Acetate PA-ACS

$Ba(CH_3COO)_2$

M: 255,43 CAS: 543-80-6 EINECS: 208-849-0 NC: 2915 29 00 UN: 1564

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn **R: 20/22 S: 28a CE: 056-002-00-7**

SPECIFICATIONS:

Assay (Compl.) 99,0-102,0%
pH of 5% solution 7,0-8,5

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O.....0,005 %
Oxidizing substances (as NO_3) .....0,005 %
Chloride (Cl).....0,001 %
Heavy metals (as Pb).....0,0005 %
Ca .....0,05 %
Cu .....0,0005 %
Fe.....0,001 %
K .....0,003 %
Na .....0,005 %
Ni .....0,0005 %
Pb .....0,0005 %
Sr .....0,2 %

Order code	Package	Units/Box st.
131180.1210	500 g	6
131180.1211	1000 g	6

Barium Acetate PRS

$Ba(CH_3COO)_2$

M: 255,43 CAS: 543-80-6 EINECS: 208-849-0 NC: 2915 29 00 UN: 1564

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn **R: 20/22 S: 28a CE: 056-002-00-7**

SPECIFICATIONS:

Assay (Compl.) .....98 %
pH of 5% solution 7,0-8,5
Insoluble matter in H_2O.....0,02 %
Chloride (Cl).....0,005 %
Cu .....0,002 %
Fe.....0,002 %
Ni .....0,002 %
Pb .....0,002 %

Order code	Package	Units/Box st.
141180.1210	500 g	6
141180.1211	1000 g	6
141180.0416	25 kg	

Barium Carbonate (Reag. Ph. Eur.) PA-ACS

$BaCO_3$

M: 197,35 CAS: 513-77-9 EINECS: 208-167-3 NC: 2836 60 00 UN: 1564

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn **R: 22 S: 24/25 CE: 056-003-00-2**

SPECIFICATIONS:

Assay (Compl.) 99,0-101,0%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl.....0,015 %
Alkalinity ..... 0,002 meq/g
Oxidizing substances (as NO_3) .....0,005 %
Non-precipitat. subst. by H_2SO_4 (as SO_4) .....0,2 %
Chloride (Cl).....0,002 %
Sulphide (S) .....0,001 %
Heavy metals (as Pb).....0,001 %
Ca .....0,05 %
Cd.....0,0005 %
Co .....0,0005 %
Cr.....0,0005 %
Cu .....0,0005 %
Fe.....0,0005 %
K .....0,005 %
Mg .....0,0005 %
Mn .....0,0005 %
Na .....0,005 %
Ni .....0,0005 %
Pb .....0,0005 %
Sr .....0,1 %
Zn .....0,0005 %

Order code	Package	Units/Box st.
131181.1209	250 g	6
131181.1211	1000 g	6

Barium Carbonate PA

$BaCO_3$

M: 197,35 CAS: 513-77-9 EINECS: 208-167-3 NC: 2836 60 00 UN: 1564

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn **R: 22 S: 24/25 CE: 056-003-00-2**

SPECIFICATIONS:

Minimum assay (Compl.).....99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl.....0,015 %
Oxidizing substances (as NO_3) .....0,005 %
Non-precipitated substances by H_2SO_4 .....0,5 %
Alkaline carbonates and hydroxides ..... p/t.
Chloride (Cl).....0,002 %
Sulphide (S) .....0,001 %
Ca .....0,05 %
Cu .....0,001 %
Fe.....0,002 %
K .....0,005 %
Na .....0,01 %
Ni .....0,001 %
Pb .....0,001 %

Order code	Package	Units/Box st.
121181.1210	500 g	6
121181.1211	1000 g	6
121181.0914	5 kg	
121181.0416	25 kg	

Barium Carbonate PRS

$BaCO_3$

M: 197,35 CAS: 513-77-9 EINECS: 208-167-3 NC: 2836 60 00 UN: 1564

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn **R: 22 S: 24/25 CE: 056-003-00-2**

SPECIFICATIONS:

Assay (Compl.) .....98 %
Insoluble matter in HCl.....0,05 %
Chloride (Cl).....0,05 %
Sulphide (S) .....0,001 %
Cu .....0,003 %
Fe.....0,003 %
Ni .....0,003 %
Pb .....0,003 %

Order code	Package	Units/Box st.
141181.1210	500 g	6
141181.1211	1000 g	6
141181.0914	5 kg	
141181.0416	25 kg	

Barium Chloride 2-hydrate (Reag. Ph. Eur.) PA-ACS-ISO

$BaCl_2.2H_2O$

M: 244,28 CAS: 10326-27-9 EINECS: 233-788-1 NC: 2827 39 85 UN: 1564
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T **R: 20-25 S: 45 CE: 056-004-00-8**

SPECIFICATIONS:
Minimum assay (Compl.) ..... 99,0 %
pH of 5% solution 5,2-8,0
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 150°C ..... 14,0-16,0 %
N compounds (as N) ..... 0,002 %
Oxidizing substances (as NO_3) ..... 0,005 %
Heavy metals (as Pb) ..... 0,0005 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0002 %
K ..... 0,0025 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Sr ..... 0,01 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131182.1210	500 g P	6
131182.1211	1000 g P	6
131182.1214	5 kg P	4
131182.0416	25 kg PP	

Barium Chloride 2-hydrate PRS

$BaCl_2.2H_2O$

M: 244,28 CAS: 10326-27-9 EINECS: 233-788-1 NC: 2827 39 85 UN: 1564
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T **R: 20-25 S: 45 CE: 056-004-00-8**

SPECIFICATIONS:
Assay (Compl.) ..... 99-102 %
pH of 5% solution 5,2-8,0
Insoluble matter in H_2O ..... 0,02 %
Nitrogen compounds (as N) ..... 0,003 %
Ca ..... 0,2 %
Cu ..... 0,002 %
Fe ..... 0,001 %
Ni ..... 0,002 %
Pb ..... 0,002 %
Sr ..... 0,2 %

Order code	Package	Units/Box st.
141182.1210	500 g P	6
141182.1211	1000 g P	6
141182.1214	5 kg P	4
141182.0416	25 kg PP	

BARIUM CHLORIDE SOLUTIONS

Barium Chloride solution 10% w/v RE

for identification and quantitative determination of sulphates
$BaCl_2.2H_2O$

M: 244,28 CAS: 10361-37-2 EINECS: 233-788-1 NC: 2827 39 85 UN: 3287
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:

Xn **R: 20/22 S: 28a-45 CE: 056-004-00-8**

1l~1,087kg 1kg~0,920l
Composition:
Barium Chloride 2-hydrate ..... 12 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
171183.1210	500 ml P	6

Barium Chloride 0,1 mol/l (0,1M) SV

Indicator: Mixed of Phthalein Purple
$BaCl_2.2H_2O$

M: 244,28 CAS: 10361-37-2 EINECS: 233-788-1 NC: 2827 39 85
1l~1,016kg 1kg~0,984l
SPECIFICATIONS:
Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
181184.1211	1000 ml P	6

Barium Chromate (C.I. 77103) PA

$BaCrO_4$

M: 253,32 CAS: 10294-40-3 EINECS: 233-660-5 NC: 2841 50 00 UN: 1564
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn **R: 20/22 S: 28a CE: 056-002-00-7**

SPECIFICATIONS:
Minimum assay (Iodom.) ..... 99 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in HCl ..... 0,1 %
Chloride (Cl) ..... 0,01 %
Soluble chromates (as CrO_3) ..... 0,05 %
Fe ..... 0,002 %

Order code	Package	Units/Box st.
121187.1209	250 g P	6
121187.1211	1000 g P	6

Barium Chromate (C.I. 77103) PRS

$BaCrO_4$

M: 253,32 CAS: 10294-40-3 EINECS: 233-660-5 NC: 2841 50 00 UN: 1564
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn **R: 20/22 S: 28a CE: 056-002-00-7**

SPECIFICATIONS:
Assay (Iodom.) ..... 98,0 %
Insoluble matter in HCl ..... 0,1 %
Chloride (Cl) ..... 0,05 %
Fe ..... 0,1 %

Order code	Package	Units/Box st.
141187.1210	500 g P	6
141187.1211	1000 g P	6
141187.1214	5 kg P	4

Barium Diphenylamine 4-Sulphonate

(see 4-(Phenylamino) Benzenesulfonic Acid Barium Salt)

Barium Fluoride PRS

BaF_2

M: 175,34 CAS: 7787-32-8 EINECS: 232-108-0 NC: 2826 19 90 UN: 1564
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn **R: 20/22 S: 28a CE: 056-002-00-7**

SPECIFICATIONS:
Assay (Compl.) ..... 98 %
Chloride (Cl) ..... 0,05 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
142224.1210	500 g P	6
142224.1214	5 kg P	4

Barium Hydroxide 8-hydrate (Reag. Ph. Eur.) PA-ACS-ISO

$Ba(OH)_2.8H_2O$

M: 315,48 CAS: 12230-71-6 EINECS: 241-234-5 NC: 2816 40 00 UN: 1564
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn **R: 20/22-36/38 S: 26-28a CE: 056-002-00-7**

SPECIFICATIONS:
Minimum assay (Acidim.) ..... 98,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in HCl ..... 0,005 %
Carbonate (as $BaCO_3$) ..... 2,0 %
Chloride (Cl) ..... 0,001 %
Sulphide (S) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0005 %
Ca ..... 0,05 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
K ..... 0,005 %
Na ..... 0,01 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Sr ..... 0,8 %

Order code	Package	Units/Box st.
131188.1210	500 g P	6
131188.1211	1000 g P	6
131188.1214	5 kg P	4
131188.0416	25 kg PP	

Barium Hydroxide 8-hydrate PRS

$Ba(OH)_2.8H_2O$

M: 315,48 CAS: 12230-71-6 EINECS: 241-234-5 NC: 2816 40 00 UN: 1564
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn **R: 20/22-36/38 S: 26-28a CE: 056-002-00-7**

SPECIFICATIONS:

Assay (Acidim.)	97 %
Insoluble matter in HCl	0,02 %
Chloride (Cl)	0,05 %
Sulphide (S)	0,005 %
Cu	0,002 %
Fe	0,003 %
Ni	0,002 %
Pb	0,002 %

Order code	Package	Units/Box st.
141188.1210	500 g P	6
141188.1211	1000 g P	6
141188.1214	5 kg P	4
141188.0416	25 kg PP	

Barium Nitrate PA-ACS

$Ba(NO_3)_2$

M: 261,35 CAS: 10022-31-8 EINECS: 233-020-5 NC: 2834 29 20 UN: 1446
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

Xn **R: 20/22 S: 28a CE: 056-002-00-7**

SPECIFICATIONS:

Minimum assay (Compl.)	99,0 %
pH of 5% solution	5,0-8,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O	0,01 %
Chloride (Cl)	0,0005 %
Heavy metals (as Pb)	0,0005 %
Ca	0,05 %
Cu	0,0005 %
Fe	0,0002 %
K	0,005 %
Na	0,005 %
Ni	0,0005 %
Pb	0,0005 %
Sr	0,1 %

Order code	Package	Units/Box st.
131190.1210	500 g P	6
131190.1214	5 kg P	4
131190.0416	25 kg PP	

Barium Nitrate PRS

$Ba(NO_3)_2$

M: 261,35 CAS: 10022-31-8 EINECS: 233-020-5 NC: 2834 29 20 UN: 1446
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

Xn **R: 20/22 S: 28a CE: 056-002-00-7**

SPECIFICATIONS:

Assay (Compl.)	98 %
Insoluble matter in H_2O	0,02 %
Acidity (as HNO_3)	0,01 %
Chloride (Cl)	0,005 %
Ca	0,1 %
Cu	0,002 %
Fe	0,002 %
Ni	0,002 %
Pb	0,002 %
Sr	0,1 %

Order code	Package	Units/Box st.
141190.1210	500 g P	6
141190.1211	1000 g P	6
141190.1214	5 kg P	4
141190.0416	25 kg PP	

Barium Oxide, 97% PS

BaO

M: 153,34 CAS: 1304-28-5 EINECS: 215-127-9 NC: 2816 40 00 UN: 1884
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn **R: 20-22-36/38 S: 26**

SPECIFICATIONS:

Minimum assay (Compl.)	97 %

Order code	Package	Units/Box st.
15A721.1208	100 g P	6
15A721.1209	250 g P	6

Barium Perchlorate anhydrous PRS

$Ba(ClO_4)_2$

M: 336,24 CAS: 13465-95-7 EINECS: 236-710-4 NC: 2829 90 10 UN: 1447
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

O Xn **R: 9-20/22 S: 27 CE: 017-007-00-X**

SPECIFICATIONS:

Assay (Compl.)	98 %
Insoluble matter in H_2O	0,1 %
Chloride (Cl)	0,1 %
Cu	0,001 %
Fe	0,001 %
Ni	0,001 %
Pb	0,001 %

Order code	Package	Units/Box st.
142839.1209	250 g P	6
142839.1214	5 kg P	4

Barium Perchlorate 0,005 mol/l (0,005M) aqueous-alcoholic solution SV

Indicator: Mixed of Phthalein Purple
$Ba(ClO_4)_2$

M: 336,24 CAS: 13465-95-7 EINECS: 236-710-4 NC: 2829 90 10 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F **R: 10 S: 16**

1l~0,841kg 1kg~1,189l

SPECIFICATIONS:

Titer	1,000 ±0,001

Order code	Package	Units/Box st.
182131.1211	1000 ml P	6

Barium Sulphate PA

(not suitable for internal use)
$BaSO_4$

M: 233,40 CAS: 7727-43-7 EINECS: 231-784-4 NC: 2833 27 00

MAXIMUM LIMIT OF IMPURITIES

Loss on ignition	2 %
Organic matter	p/t.
Soluble salts	0,25 %
Soluble barium salts (as Ba)	0,001 %
Acidity or alkalinity	p/t.
Chloride (Cl)	0,001 %
Phosphate (PO_4)	0,001 %
Silicate	p/t.
Sulphide	p/t.
As	0,0001 %
Cu	0,001 %
Fe	0,001 %
Ni	0,001 %
Pb	0,001 %

Order code	Package	Units/Box st.
121191.1210	500 g P	6

Barium Sulphate PRS

(not suitable for internal use)
$BaSO_4$

M: 233,40 CAS: 7727-43-7 EINECS: 231-784-4 NC: 2833 27 00

SPECIFICATIONS:

Loss on ignition	2 %
Soluble salts	0,5 %
Acidity or alkalinity	p/t.
Chloride (Cl)	0,05 %
Sulphide	p/t.
As	0,0001 %
Cu	0,003 %
Fe	0,003 %
Ni	0,003 %
Pb	0,003 %

Order code	Package	Units/Box st.
141191.1210	500 g P	6
141191.1211	1000 g P	6
141191.1214	5 kg P	4
141191.0416	25 kg PP	

Barium Sulphate for radiology (RFE, BP, Ph. Eur.) PRS-CODEX

$BaSO_4$

M: 233,40 CAS: 7727-43-7 EINECS: 231-784-4 NC: 2833 27 00

SPECIFICATIONS:

Minimum assay ..... 85,0 %
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on ignition ..... 1,5 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Oxidable sulphur compounds ..... p/t.
Sedimentation ..... p/t.
Soluble salts in acid ..... 0,3 %
Soluble barium salts (as Ba) according to Ph. Eur. ..... 0,001 %
Soluble barium salts (as Ba) according to BP ..... p/t.
Soluble barium salts (as Ba) according to USP ..... 0,001 %
Acidity or alkalinity ..... p/t.
Phosphate (PO_4) ..... 0,005 %
Sulphide ..... 0,00005 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00008 %

Order code	Package	Units/Box st.
142465.1214	5 kg	4
142465.0416	25 kg	

Baryta Water saturated solution RE

$Ba(OH)_2.8H_2O$

M: 315,48 CAS: 12230-71-6 EINECS: 241-234-5 NC: 2816 40 00

1l~1,020kg 1kg~0,980l

Composition:

Barium Hydroxyde 8-hydrate ..... 5 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
171071.1610	500 ml	6

Basic Blue 17

(see Toluidine Blue O)

Basic Blue 26

(see Victoria Blue B)

Basic Brown 1

(see Bismarck Brown Y)

Basic Brown 4

(see Bismarck Brown R)

Basic Green 1

(see Brilliant Green)

Basic Green 4

(see Malachite Oxalate Green)

Basic Orange 14

(see Acridine Orange)

Basic Red 2

(see Safranine O)

Basic Red 5

(see Neutral Red)

Basic Violet 1

(See Methyl Violet)

Basic Violet 3

(see Crystal Violet)

Basic Violet 4

(see Ethyl Violet)

Basic Violet 10

(see Rhodamine B)

Basic Violet 14

(see Fuchsin Basic)

Basic Yellow 2

(see Auramine O)

Bathophenanthroline PA

Fe reagent

$C_{24}H_{16}N_2$

M: 332,41 CAS: 1662-01-7 EINECS: 216-767-1 NC: 2933 99 90

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99,0 %
Identity ..... IR p/t.
Melting range ..... 218-220°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in C_2H_5OH ..... p/t.
Residue on ignition (as SO_4) ..... 0,1 %
Sensitivity to Fe ..... p/t.

Order code	Package	Units/Box st.
122089.1603	1 g	6

Benedict's Reagent qualitative DC

for determination of glucose in urine

NC: 3822 00 00

HAZARDOUS:

R: 52

1l~1,153kg 1kg~0,867l

Composition:

Sodium Carbonate anhydrous ..... 153,6 g
Citric Acid 1-hydrate ..... 70,9 g
Copper(II) Sulphate 5-hydrate ..... 15,6 g
Water s.q.m ..... 1 l

Order code	Package	Units/Box st.
251550.1210	500 ml	6
251550.1211	1000 ml	6

Benedict's Reagent quantitative DC

for determination of glucose

NC: 3822 00 00

HAZARDOUS:

R: 52

1l~1,231kg 1kg~0,812l

Composition:

Copper(II) Sulphate 5-hydrate ..... 17,39 g
Sodium Carbonate anhydrous ..... 73,9 g
tri-Potassium Citrate 1-hydrate ..... 201,1 g
Potassium Thiocyanate ..... 114,1 g
Water s.q.m ..... 1 l

Order code	Package	Units/Box st.
251551.1210	500 ml	6
251551.1211	1000 ml	6

Benzaldehyde, 99% PS

C_6H_5CHO

M: 106,13 CAS: 100-52-7 EINECS: 202-860-4 NC: 2912 21 00 UN: 1990

IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 907 CAO: 907

HAZARDOUS:

Xn **R: 22 S: 24 CE: 605-012-00-5**

1l~1,045kg 1kg~0,957l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,044-1,046
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
161887.1611	1000 ml	6
161887.1214	5 l	4
161887.0716	25 l	

Benzalkonium Chloride

(see Alkylbenzyldimethylammonium Chloride)

Benzamide, 98% PS

C_7H_7NO

M: 121,14 CAS: 55-21-0 EINECS: 200-227-7 NC: 2924 29 95

HAZARDOUS:

Xn N **R: 22-68 S: 36/37**

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A317.1608	100 g	6
15A317.1610	500 g	6

1-Benzazol

(see Indole)

Benzene (UV-IR-HPLC-GPC) PAI-ACS

C_6H_6

M: 78,11 CAS: 71-43-2 EINECS: 200-753-7 NC: 2902 20 00 UN: 1114
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F T **R: 45-46-11-36/38-E48/23/24/25-E68/20/21/22 S: 53-45**
CE: 601-020-00-8
1l~0,879kg 1kg~1,138l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,8 %
Density at 20/4 0,877-0,878
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non volatile matter ..... 0,0003 %
Acidity ..... 0,0001 meq/g
Alkalinity ..... 0,0001 meq/g
Darkened substances by H_2SO_4 ..... p/t.
Thiophene (C_4H_4S) ..... 0,0001 %
Sulphur compounds (as CS_2) ..... 0,0003 %
Water (H_2O) ..... 0,01 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	278 (Cut off)	280	285	290	300	320	340-450
A (AU)	1,000	0,602	0,155	0,097	0,046	0,022	0,009
T (%)	10	25	70	80	90	95	98

Fluorescence (as quinine):

λ (nm)	365
ppb	2

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 2,7
Eluotropic value ε° (Al_2O_3) 0,32
Sol.H_2O in solv. at 20°C 0,058
P' + 0,25 E 3,6
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361192.1611	1000 ml	6
361192.1612	2,5 l	4

Benzene dry (max. 0,005% water) DS-ACS-ISO

C_6H_6

M: 78,11 CAS: 71-43-2 EINECS: 200-753-7 NC: 2902 20 00 UN: 1114
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F T **R: 45-46-11-36/38-E48/23/24/25-E68/20/21/22 S: 53-45**
CE: 601-020-00-8
1l~0,879kg 1kg~1,138l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,8 %
Identity ..... IR p/t.
Density at 20/4 0,877-0,878
Freezing point ..... ≥5,2°C
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,001 %
Ethylbenzene (G.C.) ..... 0,02 %
Toluene (G.C.) ..... 0,05 %
Darkened substances by H_2SO_4 ..... p/t.
Sulphur compounds (as CS_2) ..... 0,0003 %
Acidity ..... 0,0001 meq/g
Alkalinity ..... 0,0001 meq/g
Water (H_2O) ..... 0,005 %
Thiophene (C_4H_4S) ..... 0,0001 %
Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
481192.1611	1000 ml	6

Benzene (Reag. Ph. Eur.) PA-ACS-ISO

C_6H_6

M: 78,11 CAS: 71-43-2 EINECS: 200-753-7 NC: 2902 20 00 UN: 1114
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F T **R: 45-46-11-36/38-E48/23/24/25-E68/20/21/22 S: 53-45**
CE: 601-020-00-8
1l~0,879kg 1kg~1,138l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,877-0,878
Freezing point ..... ≥5,2°C
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,001 %
Darkened substances by H_2SO_4 ..... p/t.
Sulphur compounds (as CS_2) ..... 0,0003 %
Acidity ..... 0,0001 meq/g
Alkalinity ..... 0,0001 meq/g
Water (H_2O) ..... 0,03 %
Thiophene (C_4H_4S) ..... 0,0001 %
Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131192.1611	1000 ml	6
131192.1612	2,5 l	4
131192.0314	5 l	4
131192.0616	25 l	

Benzene PRS

C_6H_6

M: 78,11 CAS: 71-43-2 EINECS: 200-753-7 NC: 2902 20 00 UN: 1114
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F T **R: 45-46-11-36/38-E48/23/24/25-E68/20/21/22 S: 53-45**
CE: 601-020-00-8
1l~0,879kg 1kg~1,138l
SPECIFICATIONS:
Assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,877-0,878
Non-volatile matter ..... 0,005 %
Toluene (G.C.) ..... 0,1 %
Acidity ..... 0,0003 meq/g
Alkalinity ..... 0,00025 meq/g
Water (H_2O) ..... 0,1 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141192.1611	1000 ml	6
141192.1612	2,5 l	4
141192.0314	5 l	4
141192.0616	25 l	

Benzene, 99,8% PS

C_6H_6

M: 78,11 CAS: 71-43-2 EINECS: 200-753-7 NC: 2902 20 00 UN: 1114
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F T **R: 45-46-11-36/38-E48/23/24/25-E68/20/21/22 S: 53-45**
CE: 601-020-00-8
1l~0,879kg 1kg~1,138l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,8 %
Identity ..... IR p/t.
Density at 20/4 0,877-0,878
Non-volatile matter ..... 0,005 %
Water (H_2O) ..... 0,03 %

Order code	Package	Units/Box st.
161192.1611	1000 ml	6
161192.1612	2,5 l	4
161192.1714	5 l	4
161192.0616	25 l	

Benzene-D6 deuteration degree min. 99,95% (NMR) PAI

C_6D_6

M: 84,15 CAS: 1076-43-3 EINECS: 214-061-8 NC: 2845 90 10 UN: 1114
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F T **R: 45-11-48/23/24/25 S: 53-45**

1l~0,95kg 1kg~1,05l
SPECIFICATIONS:
Deuteration degree min. ..... 99,95 %
NMR suitability ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Water (H_2O+D_2O) ..... 0,01 %

Order code	Package	Units/Box st.
745845.02130	10 x 0,75 ml	6
745845.1605	10 ml	6

Benzene-D6 deuteration degree min. 99,8% (NMR) PAI

C_6D_6

M: 84,15 CAS: 1076-43-3 EINECS: 214-061-8 NC: 2845 90 10 UN: 1114
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F T **R: 45-11-48/23/24/25 S: 53-45**

1l~0,95kg 1kg~1,05l
SPECIFICATIONS:
Deuteration degree min. ..... 99,8 %
NMR suitability ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Water (H_2O+D_2O) ..... 0,02 %

Order code	Package	Units/Box st.
745844.02130	10 x 0,75 ml	6
745844.1605	10 ml	6

Benzene-D6 deuteration degree min. 99,5% (NMR) PAI

C_6D_6

M: 84,15 CAS: 1076-43-3 EINECS: 214-061-8 NC: 2845 90 10 UN: 1114
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F T **R: 45-11-48/23/24/25 S: 53-45**

1l~0,95kg 1kg~1,05l
SPECIFICATIONS:
Deuteration degree min. ..... 99,5 %
NMR suitability ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Water (H_2O+D_2O) ..... 0,03 %

Order code	Package	Units/Box st.
745843.1605	10 ml	6

Benzenearsonic Acid

(see Phenylarsonic Acid)

Benzenecarbonyl Chloride

(see Benzoyl Chloride)

Benzene Chloride

(see Chlorobenzene)

1,3-Benzenediol

(see Resorcinol)

(R)-(3-Benzenesulfonyl-1-Phenylallyl)-Carbamic Acid tert-Butyl Ester

(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

(S)-(3-Benzenesulfonyl-1-Phenylallyl)-Carbamic Acid tert-Butyl Ester

(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

Benzethonium Chloride (Reag. Ph. Eur.) PA

for titration of anionic surfactants
$C_{27}H_{42}ClNO_2$

M: 448,18 CAS: 121-54-0 EINECS: 204-479-9 NC: 2923 90 00
HAZARDOUS:

Xn **R: 22-36/38 S: 26**

SPECIFICATIONS:
Minimum assay (Arg.) calc. a.d.s. ..... 99,0 %
Identity ..... IR p/t.
Melting range ..... 158-163°C
pH 10% solution 5,0-6,5
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... p/t.
Loss on drying at 105°C ..... 5,0 %
Residue on ignition (as SO_4) ..... 0,05 %
Water (H_2O) ..... 5,0 %
Sulphate (SO_4) ..... 0,005 %
Al ..... 0,0005 %
Ba ..... 0,0005 %
Ca ..... 0,002 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,001 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
123083.1209	250 g	6

Benzethonium Chloride (USP, BP, Ph. Eur.) PRS-CODEX

$C_{27}H_{42}ClNO_2$

M: 448,18 CAS: 121-54-0 EINECS: 204-479-9 NC: 2923 90 00
HAZARDOUS:

Xn **R: 22-36/38 S: 26**

SPECIFICATIONS:
Assay (calc. a.d.s.) ..... 97,0-103,0 %
Identity according to Pharmacopoeias ..... p/t.
Melting range ..... 158-163°C
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Loss on drying at 105°C ..... 5,0 %
Residue on ignition (as SO_4) ..... 0,1 %
Acidity or alkalinity ..... p/t.
Ammonium compounds ..... p/t.
Volatile bases and salts of volatile bases ..... 0,005 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
143083.1209	250 g	6
143083.1211	1000 g	6

BENZETHONIUM CHLORIDE SOLUTIONS

Benzethonium Chloride 0,004 mol/l (0,004M) SV

for titration of anionic surfactants
$C_{27}H_{42}ClNO_2$

M: 448,18 CAS: 121-54-0 EINECS: 204-479-9 NC: 2923 90 00
1l~1,00kg 1kg~1,00l
SPECIFICATIONS:
Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
183141.1611	1000 ml	6

Benzethonium Chloride 0,01 mol/l (0,01N) SV

for titration of anionic surfactants
$C_{27}H_{42}ClNO_2$

M: 448,18 CAS: 121-54-0 EINECS: 204-479-9 NC: 2923 90 00
1l~1,00kg 1kg~1,00l
SPECIFICATIONS:
Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
186228.1611	1000 ml	6

Benzidine PA

$(C_6H_4NH_2)_2$

M: 184,24 CAS: 92-87-5 EINECS: 202-199-1 NC: 2921 59 90 UN: 1885
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T N **R: 45-E22-50/53 S: 53-45-60-61 CE: 612-042-00-2**

SPECIFICATIONS:
Minimum assay (Perchl. Ac.) ..... 99,0 %
Identity ..... IR p/t.
Melting range ..... 127-129°C

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in CH_3COOH ..... p/t.
Loss on drying at 105°C ..... 1,0 %
Residue on ignition (as SO_4) ..... 0,1 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
122295.1605	10 g	6
122295.1607	50 g	6

Benzidine, 99% PS

$(C_6H_4NH_2)_2$

M: 184,24 CAS: 92-87-5 EINECS: 202-199-1 NC: 2921 59 90 UN: 1885
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T N **R: 45-E22-50/53 S: 53-45-60-61 CE: 612-042-00-2**

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 127-129°C

Order code	Package	Units/Box st.
162295.1608	100 g	6

Benzidinium di-Chloride PA

$C_{12}H_{12}N_2.2HCl$

M: 257,16 CAS: 531-85-1 EINECS: 208-519-6 NC: 2921 59 90 UN: 2811
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T N **R: 45-E22-50/53 S: 53-45-60-61 CE: 612-070-00-5**

SPECIFICATIONS:
Minimum assay (Acidim.) ..... 99,0 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,02 %
Residue on ignition (as SO_4) ..... 0,1 %
Sensitivity to blood ..... p/t.

Order code	Package	Units/Box st.
122840.1605	10 g	6

Benzil, 99% PS

$C_{14}H_{10}O_2$

M: 210,24 CAS: 134-81-6 EINECS: 205-157-0 NC: 2914 39 00
HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 94-96 °C

Order code	Package	Units/Box st.
15A723.1208	100 g	6
15A723.1210	500 g	6

Benzilic Acid, 99% PS

$C_{14}H_{12}O_3$

M: 228,25 CAS: 76-93-7 EINECS: 200-993-2 NC: 2918 19 85

SPECIFICATIONS:
Minimum assay (Acidim.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 150-152°C

Order code	Package	Units/Box st.
15A674.1208	100 g	6
15A674.1210	500 g	6

Benzoic Acid EQP

Primary Chemical Matter
C_6H_5COOH

M: 122,12 CAS: 65-85-0 EINECS: 200-618-2 NC: 2916 31 00
HAZARDOUS:

Xn **R: 22-36 S: 24**

SPECIFICATIONS:
Assay (Acidim.) after dried on SiO_2 ..... 99,95-100,05%
Identity ..... IR p/t.
Melting range ..... 122-123°C

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in CH_3OH ..... 0,005 %
Residue on ignition (as SO_4) ..... 0,005 %
Reducing substances to $KMnO_4$ ..... p/t.
Darkened substances by H_2SO_4 ..... p/t.
Chlorine compounds (as Cl) ..... 0,01 %
Sulphur compounds (as S) ..... 0,01 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0003 %
Cu ..... 0,0005 %
Fe ..... 0,0002 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
241014.1521	10 x 1,5 g	6
241014.1608	100 g	6

Benzoic Acid PA-ACS

C_6H_5COOH

M: 122,12 CAS: 65-85-0 EINECS: 200-618-2 NC: 2916 31 00
HAZARDOUS:

Xn **R: 22-36 S: 24**

SPECIFICATIONS:
Minimum assay (Acidim.) ..... 99,5 %
Identity ..... IR p/t.
Melting range ..... 122-123°C

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in CH_3OH ..... 0,005 %
Residue on ignition (as SO_4) ..... 0,005 %
Reducing substances to $KMnO_4$ ..... p/t.
Chlorine compounds (as Cl) ..... 0,005 %
Sulphur compounds (as S) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0003 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
131014.1208	100 g	6
131014.1209	250 g	6
131014.1211	1000 g	6

Benzoic Acid (RFE, USP, BP, Ph. Eur.) PRS-CODEX

C_6H_5COOH

M: 122,12 CAS: 65-85-0 EINECS: 200-618-2 NC: 2916 31 00
HAZARDOUS:

Xn **R: 22-36 S: 24**

SPECIFICATIONS:
Assay (Acidim.) calc. a.d.s. 99,5-100,5%
Identity according to Pharmacopoeias ..... p/t.
Melting range ..... 121-123°C

MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in Cl_3CH ..... 0,01 %
Insoluble matter in C_2H_5OH ..... p/t.
Residue on ignition (as SO_4) ..... 0,05 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Reducing substances to $KMnO_4$ ..... p/t.
Darkened substances by H_2SO_4 ..... p/t.
Water (H_2O) ..... 0,7 %
Halogenated compounds and halides (as Cl) ..... 0,03 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0003 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141014.1210	500 g	6
141014.1211	1000 g	6
141014.0914	5 kg	
141014.0416	25 kg	

Benzoic Acid (E-210, F.C.C.) ADITIO

C_6H_5COOH

M: 122,12 CAS: 65-85-0 EINECS: 200-618-2 NC: 2916 31 00

HAZARDOUS:

Xn **R: 22-36 S: 24**

SPECIFICATIONS:

Assay (as $C_7H_6O_2$) 99,5-100,5%
Arsenic (as As), not more than .... 3 ppm
Heavy metals (as Pb), not more than .... 10 ppm
Lead, not more than .... 2,0 ppm
Polycyclic acids .... p/t.
Easily carbonizable substances .... p/t.
Easily oxidizable substances .... p/t.
Organic chlorine (as monochlorobenzoic acid), not more than .... 0,3 %
Residue on ignition, not more than .... 0,05 %
Solidification point .... 121,5-123°C
Water, not more than .... 0,7 %
Loss on drying, not more than .... 0,5 %
pH of aqueous solution (*) .... p/t.
Mercury (Hg), not more than .... 1 ppm
Specifications (*)Dir. 2008/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
201014.0914	5 kg PP	
201014.0416	25 kg	

Benzoic Acid, 99,5% PS

C_6H_5COOH

M: 122,12 CAS: 65-85-0 EINECS: 200-618-2 NC: 2916 31 00

HAZARDOUS:

Xn **R: 22-36 S: 24**

SPECIFICATIONS:

Minimum assay (Acidim.) .... 99,5 %
Identity .... IR p/t.
Melting range .... 122-123°C

Order code	Package	Units/Box st.
151014.1208	100 g P	6
151014.1211	1000 g P	6

Benzoic Acid Benzyl Ester

(see Benzyl Benzoate)

Benzoic Acid Sodium Salt

(see Sodium Benzoate)

Benzoin, 99% PS

$C_{14}H_{12}O_2$

M: 212,25 CAS: 119-53-9 EINECS: 204-331-3 NC: 2914 29 00

SPECIFICATIONS:

Minimum assay (G.C.) .... 99 %
Identity .... IR p/t.
Melting range .... 134-136°C

Order code	Package	Units/Box st.
15A731.1208	100 g P	6
15A731.1210	500 g P	6
15A731.0914	5 kg PP	

Benzoin Ethyl Ether, 99% PS

$C_{16}H_{16}O_2$

M: 240,3 CAS: 574-09-4 EINECS: 209-366-8 NC: 2914 50 00

SPECIFICATIONS:

Assay .... 99 %
Identity .... IR p/t.

Order code	Package	Units/Box st.
15B672.1607	50 g	6
15B672.1609	250 g	6

α-Benzoinoxime PA

$C_{14}H_{13}NO_2$

M: 227,27 CAS: 441-38-3 EINECS: 207-127-2 NC: 2928 00 90

SPECIFICATIONS:

Identity .... IR p/t.
Melting range .... 151-153°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in C_2H_5OH .... p/t.
Residue on ignition (as SO_4) .... 0,05 %
Sensitivity to Cu .... p/t.
Sensitivity to Mo .... p/t.
Cu .... 0,001 %
Fe .... 0,001 %
Ni .... 0,001 %
Pb .... 0,001 %

Order code	Package	Units/Box st.
122354.1605	10 g	6

Benzonitrile, 99% PS

C_7H_5N

M: 103,12 CAS: 100-47-0 EINECS: 202-855-7 NC: 2926 90 95 UN: 2224
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611

HAZARDOUS:

Xn **R: 21/22 S: 23c CE: 608-012-00-3**

1l~1,004kg 1kg~0,995l

SPECIFICATIONS:

Minimum assay (G.C.) .... 99 %
Identity .... IR p/t.
Water (H_2O) .... 0,1 %

Order code	Package	Units/Box st.
15A732.1609	250 ml	6
15A732.1611	1000 ml	6
15A732.1612	2,5 l	4

Benzophenone, 99% PS

$C_{13}H_{10}O$

M: 182,22 CAS: 119-61-9 EINECS: 204-337-6 NC: 2914 39 00

SPECIFICATIONS:

Minimum assay (G.C.) .... 99 %
Identity .... IR p/t.
Melting range .... 47-49°C

Order code	Package	Units/Box st.
15A728.1209	250 g P	6
15A728.1211	1000 g P	6

Benzo [b] Pyridine

(see Quinoline)

1,2-Benzopyrone

(see Coumarin)

2,3-Benzopyrrole

(see Indole)

1,4-Benzoquinone, 99% PS

$C_6H_4O_2$

M: 108,10 CAS: 106-51-4 EINECS: 203-405-2 NC: 2914 69 90 UN: 2587
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T N **R: 23/25-36/37/38-50 S: 26-28a-45-61 CE: 606-013-00-3**

SPECIFICATIONS:

Minimum assay (G.C.) .... 99 %
Identity .... IR p/t.
Melting range .... 111-115°C

Order code	Package	Units/Box st.
15A596.1608	100 g	6
15A596.1610	500 g	6

2-Benzothiazolamine

(see 2-Aminobenzothiazole)

1H-Benzotriazole, 99% PS

$C_6H_5N_3$

M: 119,13 CAS: 95-14-7 EINECS: 202-394-1 NC: 2933 99 90

HAZARDOUS:

Xn **R: 22-36-52/53 S: 26-56**

SPECIFICATIONS:

Minimum assay .... 99 %
Identity .... IR p/t.

Order code	Package	Units/Box st.
15A609.1208	100 g P	6
15A609.1209	250 g P	6
15A609.1211	1000 g P	6

4-Benzoylbiphenyl, 98% PS

$C_{19}H_{14}O$

M: 258,32 CAS: 2128-93-0 EINECS: 218-345-2 NC: 2914 39 00

SPECIFICATIONS:

Assay .... 98 %
Identity .... IR p/t.

Order code	Package	Units/Box st.
15B629.1604	5 g	6
15B629.1206	25 g P	6
15B629.1208	100 g P	6

Benzoyl Chloride (Reag. Ph. Eur.) PA-ACS

C_6H_5COCl

M: 140,57 CAS: 98-88-4 EINECS: 202-710-8 NC: 2916 32 90 UN: 1736
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C

R: 34 S: 26-45 CE: 607-012-00-0
1l~1,212kg 1kg~0,825l
SPECIFICATIONS:

Assay (Acidim.) 99,5-100,5%
Identity ..... IR p/t.
Density at 20/4 1,212-1,214
Freezing point ..... -2,0 to 0,0°C

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition ..... 0,005 %
Phosphorus compounds (as PO_4) ..... 0,002 %
Sulphur compounds (as SO_4) ..... 0,003 %
Heavy metals (as Pb) ..... 0,0005 %
Ca ..... 0,0002 %
Cd ..... 0,00002 %
Co ..... 0,00002 %
Cr ..... 0,00002 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Mg ..... 0,0002 %
Mn ..... 0,00002 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %
Zn ..... 0,00002 %

Order code	Package	Units/Box st.
132720.1608	100 ml	6
132720.1610	500 ml	6

Benzoyl Chloride, 99% PS

C_6H_5COCl

M: 140,57 CAS: 98-88-4 EINECS: 202-710-8 NC: 2916 32 90 UN: 1736
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C

R: 34 S: 26-45 CE: 607-012-00-0
1l~1,212kg 1kg~0,825l
SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 ..... 1,210 - 1,214

Order code	Package	Units/Box st.
162720.1610	500 ml	6
162720.1611	1000 ml	6

Benzoyl Peroxide humidified with ~25% of H_2O (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$(C_6H_5CO)_2O_2$

M: 242,23 CAS: 94-36-0 EINECS: 202-327-6 NC: 2916 32 10 UN: 3104
IMDG: 5.2/- ADR: 5.2/- IATA: 5.2/- PAX: 510 CAO: 513
HAZARDOUS:

E Xi

R: 2-36-43 S: 3/7-14-36/37/39 CE: 617-008-00-0

SPECIFICATIONS:

Assay (Iodom.) ..... 70,0-77,0 %
Identity according to Pharmacopoeias ..... p/t.
Water (H_2O) ..... >20 %

MAXIMUM LIMIT OF IMPURITIES

Related substances ..... p/t.
Acidity ..... p/t.
Chloride (Cl) ..... 0,4 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
142357.1210	500 g	6

Benzoyl Peroxide humidified with ~25% of H_2O (F.C.C.) ADITIO

$(C_6H_5CO)_2O_2$

M: 242,23 CAS: 94-36-0 EINECS: 202-327-6 NC: 2916 32 10 UN: 3104
IMDG: 5.2/- ADR: 5.2/- IATA: 5.2/- PAX: 510 CAO: 513
HAZARDOUS:

E Xi

R: 2-36-43 S: 3/7-14-36/37/39 CE: 617-008-00-0

SPECIFICATIONS:

Assay ($C_{14}H_{10}O_4$), not less than ..... 96,0 %
Lead, not more than ..... 4 ppm
(Analysis applied to the dry substance)
Specifications F.C.C. 6

Order code	Package	Units/Box st.
202357.1210	500 g	6

Benzoyl Peroxide, 98% humidified with ~25% of H_2O PS

$(C_6H_5CO)_2O_2$

M: 242,23 CAS: 94-36-0 EINECS: 202-327-6 NC: 2916 32 10 UN: 3104
IMDG: 5.2/- ADR: 5.2/- IATA: 5.2/- PAX: 510 CAO: 513
HAZARDOUS:

E Xi

R: 2-36-43 S: 3/7-14-36/37/39 CE: 617-008-00-0

SPECIFICATIONS:

Minimum assay (Iodom.) calc. a.d.s ..... 98 %
Identity ..... IR p/t
Melting range (a.d.s.) ..... 102-105°C

Order code	Package	Units/Box st.
162357.1210	500 g	6

Benzoyl Superoxide

(see Benzoyl Peroxide)

Benzyl Acetate, 99% PS

$C_9H_{10}O_2$

M: 150,18 CAS: 140-11-4 EINECS: 205-399-7 NC: 2915 39 50
1l~1,054kg 1kg~0,949l
SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,052-1,055

Order code	Package	Units/Box st.
15A724.1609	250 ml	6
15A724.1611	1000 ml	6

Benzyl Alcohol PA-ACS

$C_6H_5CH_2OH$

M: 108,14 CAS: 100-51-6 EINECS: 202-859-9 NC: 2906 21 00
HAZARDOUS:

Xn

R: 20/22 S: 26 CE: 603-057-00-5
1l~1,046kg 1kg~0,956l
SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 20/4 1,043-1,049

MAXIMUM LIMIT OF IMPURITIES

APHA colour 20
Residue on ignition (as SO_4) ..... 0,005 %
Acetophenone (G.C.) ..... 0,02 %
Benzaldehyde (G.C) ..... 0,01 %
Water (H_2O) ..... 0,1 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %
Bottled under nitrogen atmosphere.

Order code	Package	Units/Box st.
131081.1611	1000 ml	6
131081.1214	5 l	4

vinikit
Análisis de vinos
Wine analysis
Analyse des vins

Benzyl Alcohol (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

$C_6H_5CH_2OH$

M: 108,14 CAS: 100-51-6 EINECS: 202-859-9 NC: 2906 21 00

HAZARDOUS:

Xn **R: 20/22 S: 26 CE: 603-057-00-5**

1l~1,046kg 1kg~0,956l

SPECIFICATIONS:

Assay (Acidim.) ..... 98,0-100,5 %
Identity according to Pharmacopoeias ..... p/t.
Density at 20/20 1,045-1,049
Refractive index n ^{20}/D 1,539-1,541

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Clarity of solution ..... p/t.
Colour of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,05 %
Residue on ignition (as SO_4) ..... 0,005 %
Benzaldehyde (G.C.) ..... 0,15 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Acidity ..... p/t.
Halogenated compounds and halides (as Cl) ..... 0,03 %
Peroxide value 5
Related substances (G.C.) (USP/Ph. Eur.) ..... p/t.
Water (H_2O) ..... 0,2 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %
Bottled under nitrogen atmosphere.
Complies USP 29 specifications

Order code	Package	Units/Box st.
141081.1611	1000 ml	6
141081.1612	2,5 l	4
141081.1214	5 l P	4
141081.0816	25 l P	
141081.0818	60 l P	
141081.0719	200 l P	

Benzyl Alcohol (E-1519, F.C.C.) ADITIO

$C_6H_5CH_2OH$

M: 108,14 CAS: 100-51-6 EINECS: 202-859-9 NC: 2906 21 00

HAZARDOUS:

Xn **R: 20/22 S: 26 CE: 603-057-00-5**

1l~1,046kg 1kg~0,956l

SPECIFICATIONS:

Assay (G.C.), not less than ..... 99,0 %
IR ..... p/t.
Refractive index n ^{20}/D 1,539-1,541
Specific gravity 1,042-1,047
Aldehydes (as C_7H_6O), not more than ..... 0,2 %
Chlorinated compounds ..... p/t.
Distillation range, not less than 95% ..... 202,5-206,5°C
Lead, not more than ..... 0,0005 %
Acidity value, not more than 0,5
Specifications Dir. 2008/84/EC, F.C.C. 6
Bottled under nitrogen atmosphere.

Order code	Package	Units/Box st.
201081.1214	5 l P	4

Benzyl Alcohol, 99% PS

$C_6H_5CH_2OH$

M: 108,14 CAS: 100-51-6 EINECS: 202-859-9 NC: 2906 21 00

HAZARDOUS:

Xn **R: 20/22 S: 26 CE: 603-057-00-5**

1l~1,046kg 1kg~0,956l

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
151081.1608	100 ml	6
151081.1610	500 ml	6

Benzyl Benzoate (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_{14}H_{12}O_2$

M: 212,26 CAS: 120-51-4 EINECS: 204-402-9 NC: 2916 31 00

HAZARDOUS:

Xn **R: 22 S: 25 CE: 607-085-00-9**

1l~1,119kg 1kg~0,894l

SPECIFICATIONS:

Assay 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
Density at 20/20 1,118-1,120
Refractive index n ^{20}/D 1,568-1,570
Freezing point ..... ≥18,0°C

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition (as SO_4) ..... 0,1 %
Acidity ..... p/t.
Aldehydes (as C_7H_6O) ..... 0,05 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
144720.1611	1000 ml	6
144720.0716	25 l P	

Benzyl Benzoate, 99% PS

$C_{14}H_{12}O_2$

M: 212,26 CAS: 120-51-4 EINECS: 204-402-9 NC: 2916 31 00

HAZARDOUS:

Xn **R: 22 S: 25 CE: 607-085-00-9**

1l~1,119kg 1kg~0,894l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,117-1,119

Order code	Package	Units/Box st.
164720.1609	250 ml	6
164720.1611	1000 ml	6

Benzyl Chloride, 99% PS

$C_6H_5CH_2Cl$

M: 126,59 CAS: 100-44-7 EINECS: 202-853-6 NC: 2903 69 90 UN: 1738

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 610 CAO: 612

HAZARDOUS:

T **R: 45-22-23-37/38-41-48/22 S: 53-45 CE: 602-037-00-3**

1l~1,100kg 1kg~0,909l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t
Density at 20/4 1,098-1,101

Order code	Package	Units/Box st.
15A726.1609	250 ml	6
15A726.1611	1000 ml	6
15A726.1214	5 l P	4

Benzylmagnesium Chloride 2M in THF PS

C_7H_7ClMg

M: 150,90 CAS: 6921-34-2 EINECS: 230-039-0 NC: 2931 00 95 UN: 3399

IMDG: 4.3/III ADR: 4.3/III IATA: 4.3/- PAX: P CAO: P

HAZARDOUS:

F C **R: 11-14-19-34 S: 16-29-33-36/37/39**

1l~1,031kg 1kg~0,97l

Order code	Package	Units/Box st.
15A217.1608	100 ml	6
15A217.1610	500 ml	6

4-Benzyloxybenzaldehyde, 98% PS

$C_{14}H_{12}O_2$

M: 212,25 CAS: 4397-53-9 EINECS: 224-527-2 NC: 2912 49 00

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B993.1206	25 g P	6
15B993.1208	100 g P	6

Benzyloxycarbonyl

(see Z derivatives)

N-(Benzyloxycarbonyloxy) Succinimide, 98% PS

$C_{12}H_{11}NO_5$

M: 249,22 CAS: 13139-17-8 EINECS: 236-075-3 NC: 2925 19 95

HAZARDOUS:

Xi **R: 43 S: 24/25**

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B711.1606	25 g	6
15B711.1608	100 g	6

Benzyltributylammonium Chloride, 99% PS

$C_{19}H_{34}ClN$

M: 311,94 CAS: 23616-79-7 EINECS: 245-787-3 NC: 2923 90 00 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xi **R: 36/37/38 S: 26**

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
15A985.1604	5 g	6
15A985.1608	100 g	6
15A985.1610	500 g	6

Benzyltriethylammonium Chloride, 99% PS

$C_{13}H_{22}ClN$

M: 227,78 CAS: 56-37-1 EINECS: 200-270-1 NC: 2923 90 00

HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
15A986.1606	25 g	6
15A986.1608	100 g	6
15A986.1610	500 g	6

Benzyltrimethylammonium Chloride, 99% PS

$C_{10}H_{16}ClN$

M: 185,70 CAS: 56-93-9 EINECS: 200-300-3 NC: 2923 90 00

HAZARDOUS:

Xn **R: 36-22 S: 24**

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
15A988.1607	50 g	6

BERYLLIUM SOLUTIONS

(see Standards for ICP)

Betanaphtol

(see 2-Naphthol)

BHA

(see 2-tert-Butyl-4-Methoxyphenol)

BHT

(see 2,6-Di-tert-Butyl-4-Methylphenol)

Biacetyl

(see 2,3-Butanedione)

BICINE

(see N,N-Bis (2-Hydroxyethyl) Glycine)

Biebrich Scarlet (C.I. 26905) DC

$C_{22}H_{14}N_4Na_2O_7S_2$

M: 556,48 CAS: 4196-99-0 EINECS: 224-084-5 NC: 3204 12 00

SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 505-510 nm
A 1%, 1 cm, λmax ..... >530
Ratio λmax. P±15 nm 0,90-1,00
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C ..... 15 %

Order code	Package	Units/Box st.
253986.1605	10 g	6
253986.1606	25 g	6

Bile Salts n° 3 (Ingredient) CULTIMED

Product used to estimulate the growth of enteric bacteria.

NC: 3504 00 00

SPECIFICATIONS:

pH of 2% solution 7,5-9,5
Loss on drying at 105°C ..... 5 %
Insoluble matter in H_2O ..... p/t.

Order code	Package	Units/Box st.
403896.1210	500 g	6
403896.0914	5 kg	
403896.0416	25 kg	

Biocide WSCP

(see WSCP Kit)

D(+)-Biotin (USP) PRS-CODEX

$C_{10}H_{16}N_2O_3S$

M: 244,31 CAS: 58-85-5 EINECS: 200-399-3 NC: 2936 29 30

SPECIFICATIONS:

Assay (Acidim.) 97,5-100,5%
Identity according to Pharmacopoeias ..... p/t.
Specific rotation $[\alpha]^{25}$/D c=2 (in NaOH 0,1 mol/l) ..... +89 to +93°

MAXIMUM LIMIT OF IMPURITIES

Organic volatile impurities ..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
143977.1605	10 g	6
143977.1208	100 g	6

D(+)-Biotin (F.C.C.) ADITIO

$C_{10}H_{16}N_2O_3S$

M: 244,31 CAS: 58-85-5 EINECS: 200-399-3 NC: 2936 29 30

SPECIFICATIONS:

Assay (as $C_{10}H_{16}N_2O_3S$) ..... 97,5-100,5 %
Melting range ..... 229-232°C
Specific rotation $[\alpha]^{25}$/D c=2 (in NaOH 0,1 mol/l) ..... +89 to +93°
Lead, not more than ..... 2 ppm
Specifications F.C.C. 6

Order code	Package	Units/Box st.
203977.1605	10 g	6
203977.1208	100 g	6

Biphenyl, 99% PS

$C_6H_5.C_6H_5$

M: 154,20 CAS: 92-52-4 EINECS: 202-163-5 NC: 2902 90 30 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

Xi N **R: 36/37/38-50/53 S: 23c-60-61 CE: 601-042-00-8**

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 68-70°C

Order code	Package	Units/Box st.
15A769.1210	500 g	6
15A769.1211	1000 g	6

2,2'-Bipyridine (Reag. USP) PA-ISO

$(C_5H_4N)_2$

M: 156,19 CAS: 366-18-7 EINECS: 206-674-4 NC: 2933 39 99 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn **R: 21/22 S: 22-36/37**

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99,5 %
Identity ..... IR p/t.
Melting range ..... 69,0-72,0°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl ..... p/t.
Residue on ignition (as SO_4) ..... 0,1 %
Sensitivity to Fe ..... p/t.
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
132371.1604	5 g	6
132371.1606	25 g	6

2,2'-Bipyridine, 99% PS

$(C_5H_4N)_2$

M: 156,19 CAS: 366-18-7 EINECS: 206-674-4 NC: 2933 39 99 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn **R: 21/22 S: 22-36/37**

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 69-72°C

Order code	Package	Units/Box st.
162371.1606	25 g	6

Bis (2-Aminoethyl) Amine

(see Diethylenetriamine)

Bis (2-Ethoxyethyl) Ether

(see Diethylene Glycol Diethyl Ether)

Bis (2-Ethylhexyl) Phthalate, 98% PS

$C_{24}H_{38}O_4$

M: 390,57 CAS: 117-81-7 EINECS: 204-211-0 NC: 2917 34 90
HAZARDOUS:

T **R: 60-61 S: 53-45 CE: 607-317-00-9**

1l~0,984kg 1kg~1,016l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,983-0,985

Order code	Package	Units/Box st.
15A733.1211	1000 ml	6
15A733.1212	2,5 l	4

Bis (β-Hydroxyethyl) Amine

(see Diethanolamine)

N,N-Bis (2-Hydroxyethyl) Glycine PB

$C_6H_{13}NO_4$

M: 163,17 CAS: 150-25-4 EINECS: 205-755-1 NC: 2922 50 00
SPECIFICATIONS:
Minimum assay (Perchl. Ac.) ..... 99 %
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 105°C ..... 0,2 %
Residue on ignition (as SO_4) ..... 0,1 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
ABS at λ260 nm 0,1 mol/l sol. in H_2O 0,05
ABS at λ280 nm 0,1 mol/l sol. in H_2O 0,05

Order code	Package	Units/Box st.
376136.1206	25 g	6
376136.1209	250 g	6

2,2-Bis (Hydroxyethyl)-Imino tris (Hydroxymethyl) Methane PB

$C_8H_{19}NO_5$

M: 209,24 CAS: 6976-37-0 EINECS: 230-237-7 NC: 2921 29 00
SPECIFICATIONS:
Minimum assay (Perchl. Ac.) ..... 99,5 %
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying ..... 1 %
Chloride (Cl) ..... 0,005 %
ABS at λ280 nm 10% sol. in H_2O 0,1

Order code	Package	Units/Box st.
376137.1206	25 g	6
376137.1209	250 g	6

Bis (2-Hydroxypropyl) Amine

(see Di-Isopropanolamine)

Bis (Hydroxypropyl) Ether

(see Dipropylene Glycol)

Bismarck Brown R (C.I. 21010) DC

for microscopy, fat staining
$C_{21}H_{24}N_8.2HCl$

M: 461,40 CAS: 5421-66-9 EINECS: 213-888-1 NC: 3212 90 90
SPECIFICATIONS:
Identity ..... IR p/t.
A 1%; 1 cm; λmax. in H_2O ..... >250
Ratio λmax. P ± 15 nm 0,97-1,03
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C ..... 10 %

Order code	Package	Units/Box st.
253934.1606	25 g	6
253934.1608	100 g	6

Bismarck Brown Y (C.I. 21000) DC

for microscopy, mucin and cartilage staining
$C_{18}H_{18}N_8.2HCl$

M: 419,33 CAS: 10114-58-6 EINECS: 233-314-3 NC: 3212 90 90
SPECIFICATIONS:
Identity ..... IR p/t.
A 1%; 1 cm; λmax. in H_2O ..... >400
Ratio λmax. P ± 15 nm 0,97-1,03
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C ..... 15 %

Order code	Package	Units/Box st.
253935.1606	25 g	6

Bismuth metal, needles QP

Bi

M: 208,98 CAS: 7440-69-9 EINECS: 231-177-4 NC: 8106 00 90
SPECIFICATIONS:
Assay ..... 99 %

Order code	Package	Units/Box st.
215501.1208	100 g	6

BISMUTH SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Bismuth(III) Carbonate Basic

(see Bismuth(III) Hydroxide Carbonate)

Bismuth(III) Hydroxide Carbonate (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$(BiO)_2CO_3$

M: 509,97 CAS: 5892-10-4 EINECS: 227-567-9 NC: 2836 99 17
SPECIFICATIONS:
Assay (Compl.) (as $(BiO)_2CO_3$)calc. a.d.s 97,6-100,7%
Assay (Compl.) (as Bi) calc. a.d.s 80,0- 82,5%
Identity according to Pharmacopoeias ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in HNO_3 ..... 0,05 %
Loss on drying at 105°C ..... 1,0 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Chloride (Cl) ..... 0,05 %
Nitrate (NO_3) ..... 0,4 %
Sulphate (SO_4) ..... 0,1 %
Alkali and alkaline-earth salts ..... 1,0 %
Ag ..... 0,0025 %
As ..... 0,0005 %
Cu ..... 0,005 %
Fe ..... 0,01 %
Pb ..... 0,002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141195.1209	250 g	6
141195.1211	1000 g	6

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Bismuth(III) Hydroxide Nitrate (USP, DAB) PRS-CODEX

$Bi_5O(OH)_9(NO_3)_4$

M: 1461,99 CAS: 10361-46-3 EINECS: 233-792-3 NC: 2834 29 80 UN: 1477
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

SPECIFICATIONS:

Minimum assay (Compl.)(as Bi_2O_3) calc. a.d.s ..... 79,0 %
Assay (Compl.)(as Bi) calc. a.d.s ..... 71,0-74,0 %
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in dil. HNO_3 ..... p/t.
Loss on drying at 105°C ..... 3,0 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Impurities of acid reaction ..... p/t.
Carbonate ..... p/t.
Chloride (Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,03 %
Ammonium (NH_4) ..... 0,01 %
Alkalis and alkaline-earths ..... 0,5 %
Non-precip. substances by NH_4OH (as SO_4) ..... 0,6 %
Ag ..... 0,002 %
As ..... 0,0005 %
Cu ..... 0,003 %
Pb ..... 0,002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141197.1209	250 g	6
141197.1211	1000 g	6
141197.1214	5 kg	4

Bismuth(III) Nitrate 5-hydrate PA-ACS

$Bi(NO_3)_3.5H_2O$

M: 485,07 CAS: 10035-06-0 EINECS: 233-791-8 NC: 2834 29 80 UN: 1477
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

O Xi
R: 8-36/37/38 S: 17-26-37/39

SPECIFICATIONS:

Minimum assay (Compl.) ..... 98,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HNO_3 ..... 0,005 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,005 %
Ammonium (NH_4) ..... 0,005 %
Ag ..... 0,001 %
As ..... 0,0001 %
Ca ..... 0,005 %
Cu ..... 0,002 %
Fe ..... 0,001 %
K ..... 0,005 %
Mg ..... 0,001 %
Na ..... 0,01 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
131196.1208	100 g	6
131196.1210	500 g	6

Bismuth(III) Nitrate 5-hydrate PRS

$Bi(NO_3)_3.5H_2O$

M: 485,07 CAS: 10035-06-0 EINECS: 233-791-8 NC: 2834 29 80 UN: 1477
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

O Xi
R: 8-36/37/38 S: 17-26-37/39

SPECIFICATIONS:

Assay (Compl.) ..... 98 %
Insoluble matter in HNO_3 ..... 0,025 %
Chloride (Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,1 %
Ca ..... 0,01 %
Cu ..... 0,005 %
Fe ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
141196.1209	250 g	6
141196.1211	1000 g	6
141196.1214	5 kg	4

Bismuth(III) Nitrate Basic

(see Bismuth(III) Hydroxide Nitrate)

Bismuth(III) Oxide QP

Bi_2O_3

M: 465,96 CAS: 1304-76-3 EINECS: 215-134-7 NC: 2825 90 80

SPECIFICATIONS:

Assay (Compl.) ..... 98 %
Insoluble matter in HCl ..... 0,05 %
Loss on ignition ..... 1 %
Cu ..... 0,005 %
Fe ..... 0,05 %
Ni ..... 0,01 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
212724.1209	250 g	6
212724.1211	1000 g	6
212724.1214	5 kg	4

Bis (Pyridine) Iodonium Tetrafluoroborate PS

$(C_5H_5N)_2IBF_4$

M: 371,91 CAS: 15656-28-7 NC: 2931 00 95

HAZARDOUS:

Xi
R: 36/37/38 S: 26-36

SPECIFICATIONS:

Melting range ..... 137-141°C

Order code	Package	Units/Box st.
15B200.1603	1 g	6

Bis (Trichloromethyl) Carbonate

(see Triphosgene)

3,5-Bis (Trifluoromethyl) Benzaldehyde, 98% PS

$C_9H_4F_6O$

M: 242,12 CAS: 401-95-6 NC: 2913 00 00

HAZARDOUS:

Xi
R: 36/37/38 S: 26-37/39

1l~1,469kg 1kg~0,681l

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C076.1603	1 ml	6
15C076.1604	5 ml	6

N,O-Bis (Trimethylsilyl) Acetamide CG

for derivatization (GC)
$C_8H_{21}NOSi_2$

M: 203,43 CAS: 10416-59-8 EINECS: 233-892-7 NC: 2931 00 95 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xi
R: 11-36/37/38 S: 26-36

1l~0,823kg 1kg~1,215l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 90 %
Identity ..... IR p/t.
Product bottled under nitrogen atmosphere.

Order code	Package	Units/Box st.
355788.1905	10 ml	6
355788.2522	10 x 10 ml	6

N,O-Bis (Trimethylsilyl) Trifluoroacetamide CG

for derivatization (GC)
$C_8H_{18}F_3NOSi_2$

M: 257,41 CAS: 25561-30-2 EINECS: 247-103-9 NC: 2931 00 95 UN: 1993
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

F
R: 10 S: 16

1l~0,974kg 1kg~1,027l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98,0 %
Identity ..... IR p/t.
Product bottled under nitrogen atmosphere.

Order code	Package	Units/Box st.
355588.0922	20 x 1 ml	6
355588.1905	10 ml	6
355588.2522	10 x 10 ml	6

BIS-TRIS

(see 2,2-Bis (Hydroxyethyl)-Imino tris (Hydroxymethyl) Methane)

Biuret's Reagent DC

for determination of proteins

NC: 3822 00 00

HAZARDOUS:

R: 52

1l~1,059kg 1kg~0,944l

Composition:

Copper(II) Sulphate 5-hydrate ..... 1,5 g
Sodium and Potassium Tartrate 4-hydrate ..... 4,5 g
Potassium Iodide ..... 0,5 g
Sodium Hydroxide pellets ..... 0,8 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
251820.1208	100 ml	6

Blue for fast staining (Panoptic No. 3) DC

blood smear staining or medullary smear staining

NC: 3822 00 00

1l~1,007kg 1kg~0,993l

Composition:

Azur B ..... 2 g
Buffer solution pH 7 s.q.m. ..... 1000 ml

Order code	Package	Units/Box st.
253998.1210	500 ml	6
253998.1212	2,5 l	4

Blue Primary Solution (BP, Ph. Eur.) PA

for determination of the coloration grade in liquids.

NC: 3822 00 00

1l~1,044kg 1kg~0,958l

SPECIFICATIONS:

Assay (as $CuSO_4.5H_2O$) ..... 62,35-62,45 g/l
λ of max. ABS in H_2O ..... 805-810 nm
ABS at λ max. in H_2O 0,590-0,610

Order code	Package	Units/Box st.
125417.1208	100 ml	6

N-Boc-L-Alanine, 98% PS

$C_8H_{15}NO_4$

M: 189,21 CAS: 15761-38-3 EINECS: 239-847-8 NC: 2922 50 00

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A479.1604	5 g	6
15A479.1606	25 g	6

N-α-BOC-L-Asparagine, 98% PS

$C_9H_{16}N_2O_5$

M: 232,23 CAS: 7536-55-2 EINECS: 231-405-2 NC: 2922 50 00

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A480.1604	5 g	6
15A480.1606	25 g	6

N-Boc-L-Aspartic Acid, 98% PS

$C_9H_{15}NO_6$

M: 233,22 CAS: 13726-67-5 EINECS: 237-294-7 NC: 2922 50 00

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A481.1603	1 g	6
15A481.1605	10 g	6

N-Boc-L-Glutamic Acid, 98% PS

M: 247,24 CAS: 2419-94-5 NC: 2922 50 00

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A482.1604	5 g	6
15A482.1606	25 g	6

N-Boc-Glycine, 98% PS

$C_7H_{13}NO_4$

M: 175,18 CAS: 4530-20-5 EINECS: 224-864-5 NC: 2922 50 00

HAZARDOUS:

Xi

R: 41 S: 26-39

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A483.1604	5 g	6
15A483.1605	10 g	6

N-α-Boc-L-Histidine, 98% PS

$C_{11}H_{17}N_3O_4$

M: 255,27 CAS: 17791-52-5 EINECS: 241-768-9 NC: 2922 50 00

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A484.1603	1 g	6
15A484.1604	5 g	6

N-Boc-L-Isoleucine 1/2-hydrate, 98% PS

$C_{11}H_{21}NO_4.1/2\ H_2O$

M: 240,29 CAS: 13139-16-7 EINECS: 236-074-8 NC: 2922 50 00

SPECIFICATIONS:

Minimum assay ..... 98 %
Identity ..... IR p/t.
Specific rotation $[\alpha]^{20}/D$ c=2 (in CH_3COOH) ..... +2,3 to +3,3°

Order code	Package	Units/Box st.
15A485.1604	5 g	6
15A485.1606	25 g	6

N-Boc-L-Leucine 1-hydrate, 98% PS

$C_{11}H_{21}NO_4.H_2O$

M: 249,30 CAS: 13139-15-6 EINECS: 236-073-2 NC: 2922 50 00

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A486.1604	5 g	6
15A486.1606	25 g	6

N-Boc-L-Methionine, 98% PS

$C_{10}H_{19}NO_4S$

M: 249,32 CAS: 2488-15-5 EINECS: 219-639-3 NC: 2922 50 00

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A488.1604	5 g	6
15A488.1606	25 g	6

Boc-ON, 98% PS

$C_{13}H_{14}N_2O_3$

M: 246,26 CAS: 58632-95-4 EINECS: 261-370-9 NC: 2925 29 00

HAZARDOUS:

Xi

R: 36/37/38 S: 26-37/39

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A570.1606	25 g	6
15A570.1608	100 g	6

N-Boc-L-Phenylalanine, 98% PS

$C_{14}H_{19}NO_4$

M: 265,30 CAS: 13734-34-4 EINECS: 237-305-5 NC: 2922 50 00

HAZARDOUS:

Xn

R: 22-36 S: 26-39

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A489.1604	5 g	6
15A489.1606	25 g	6

N-Boc-L-Proline, 98% PS

$C_{10}H_{17}NO_4$

M: 215,24 CAS: 15761-39-4 EINECS: 239-848-3 NC: 2922 50 00

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A490.1606	25 g	6

N-Boc-L-Serine hydrate, 98% PS

$C_8H_{15}NO_5.xH_2O$

M: 205,21 CAS: 3262-72-4 EINECS: 221-867-3 NC: 2922 50 00

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A491.1604	5 g	6
15A491.1606	25 g	6

N-Boc-L-Threonine, 98% PS

$C_9H_{17}NO_5$

M: 219,23 CAS: 2592-18-9 EINECS: 219-987-6 NC: 2922 50 00

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A492.1603	1 g	6
15A492.1604	5 g	6

N-α-Boc-L-Tryptophan, 98% PS

$C_{16}H_{20}N_2O_4$

M: 304,34 CAS: 13139-14-5 EINECS: 236-072-7 NC: 2922 50 00

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A493.1604	5 g	6
15A493.1606	25 g	6

N-Boc-L-Tyrosine, 98% PS

$C_{14}H_{19}NO_5$

M: 281,30 CAS: 3978-80-1 EINECS: 223-613-7 NC: 2922 50 00

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A494.1604	5 g	6
15A494.1606	25 g	6

N-Boc-D-Valine, 98% PS

$C_{10}H_{19}NO_4$

M: 217,26 CAS: 22838-58-0 NC: 2922 50 00

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A467.1603	1 g	6
15A467.1604	5 g	6

N-Boc-L-Valine, 98% PS

$C_{10}H_{19}NO_4$

M: 217,26 CAS: 13734-41-3 EINECS: 237-307-6 NC: 2922 50 00

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A414.1604	5 g	6
15A414.1606	25 g	6

Borax

(see di-Sodium tetra-Borate)

Boric Acid PA-ACS-ISO

H_3BO_3

M: 61,83 CAS: 10043-35-3 EINECS: 233-139-2 NC: 2810 00 90

HAZARDOUS:

T **R: 60-61 S: 53-45**

SPECIFICATIONS:

Minimum assay (Acidim.)..... 99,8 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O..... 0,005 %
Insoluble matter in CH_3OH ..... 0,005 %
Residue on ignition (CH_3OH+HCl) (as SO_4)..... 0,05 %
Chloride (Cl)..... 0,0005 %
Phosphate (PO_4) ..... 0,0005 %
Sulphate (SO_4) ..... 0,002 %
Heavy metals (as Pb)..... 0,0005 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Fe	1	Pt	5
Al	5	Ga	5	Sb	5
As	0,5	Ge	5	Si	5
Au	5	In	5	Sn	5
Ba	5	K	50	Sr	5
Be	5	Li	5	Ti	5
Bi	5	Mg	5	Tl	5
Ca	20	Mn	5	V	5
Cd	5	Mo	5	Zn	5
Co	5	Na	50	Zr	5
Cr	5	Ni	5		
Cu	5	Pb	5		

Order code	Package	Units/Box st.
131015.1210	500 g	6
131015.1211	1000 g	6
131015.1214	5 kg	4
131015.0416	25 kg	

Boric Acid (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

H_3BO_3

M: 61,83 CAS: 10043-35-3 EINECS: 233-139-2 NC: 2810 00 90

HAZARDOUS:

T **R: 60-61 S: 53-45**

SPECIFICATIONS:

Assay (Acidim.) calc. a.d.s.....99,5-100,5%
Identity according to Pharmacopoeias ..... p/t.
pH of 3,3% solution 3,8-4,8

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in C_2H_5OH ..... p/t.
Loss on drying..... 0,5 %
Residue on ignition (CH_3OH+HCl) (as SO_4)..... 0,1 %
Residual solvents (Ph.Eur./USP)..... p/t.
Organic substances..... p/t.
Chloride (Cl)..... 0,002 %
Phosphate (PO_4) ..... 0,002 %
Sulphate (SO_4) ..... 0,045 %
Heavy metals (as Pb)..... 0,0015 %
As ..... 0,0005 %
Cu ..... 0,001 %
Fe..... 0,001 %
Mg ..... 0,005 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141015.1210	500 g	6
141015.1211	1000 g	6
141015.0914	5 kg	4
141015.0416	25 kg	

BORIC ACID SOLUTIONS

(see also Ammonia Fixative Solution)

Boric Acid solution 3% RV

for ammonia titration

H_3BO_3

M: 61,84 CAS: 10043-35-3 EINECS: 233-139-2 NC: 2810 00 90

1l~1,010kg 1kg~0,990l

SPECIFICATIONS:

Assay (Acidim.) .....2,95-3,05 %

Order code	Package	Units/Box st.
282928.1211	1000 ml	6

Boric Acid solution 4% RV

for ammonia titration

H_3BO_3

M: 61,84 CAS: 10043-35-3 EINECS: 233-139-2 NC: 2810 00 90

1l~1,015kg 1kg~0,985l

SPECIFICATIONS:

Assay (Acidim.) .....3,9-4,1 %

Order code	Package	Units/Box st.
282222.1211	1000 ml	6
282222.1214	5 l	4

Boric Acid in tablets PA

for X-ray fluorescence

H_3BO_3

M: 61,83 CAS: 10043-35-3 EINECS: 233-139-2 NC: 2810 00 90

HAZARDOUS:

T **R: 60-61 S: 53-45**

SPECIFICATIONS:

Minimum assay (Acidim.)..... 99,8 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O..... 0,005 %
Insoluble matter in CH_3OH ..... 0,005 %
Residue on ignition (CH_3OH+HCl)(as SO_4)..... 0,05 %
Chloride (Cl)..... 0,0005 %
Phosphate (PO_4) ..... 0,0005 %
Sulphate (SO_4) ..... 0,002 %
Heavy metals (as Pb)..... 0,0005 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Fe	5	Pt	5
Al	5	Ga	5	Sb	5
As	0,5	Ge	5	Si	5
Au	5	In	5	Sn	5
Ba	5	K	50	Sr	5
Be	5	Li	5	Ti	5
Bi	5	Mg	5	Tl	5
Ca	20	Mn	5	V	5
Cd	5	Mo	5	Zn	5
Co	5	Na	50	Zr	5
Cr	5	Ni	5		
Cu	5	Pb	5		

Order code	Package	Units/Box st.
125596.1211	1000 g	6

Boric-Potasic Tartrate
(see Potassium Boron Tartrate)

(-)-Borneol, 98% PS
$C_{10}H_{18}O$
M: 154,25 CAS: 464-45-9 EINECS: 207-353-1 NC: 2906 19 00 UN: 1312
IMDG: 4.1/III ADR: 4.1/III IATA: 4.1/III PAX: 419 CAO: 420
1l~0,994kg 1kg~1,006l
SPECIFICATIONS:
Minimum assay (G.C.) isomers mixture.....98 %
Identity.....IR p/t.
Melting range.....205-208°C
$[\alpha]^{20}$/D c=5 (in ethanol abs.) ..... -35 to -37°

Order code	Package	Units/Box st.
15A583.1606	25 g	6

Bornyl Alcohol
(see (-)-Borneol)

BORON SOLUTION
(see Standards for ICP)

Boron Potassium Tartrate
(see Potassium Boron Tartrate)

Boron Trifluoride 14% in methanol PS
CH_4BF_3O
M: 99,85 CAS: 16045-88-8 EINECS: 206-766-4 NC: 3822 00 00 UN: 1992
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F T
R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45
1l~0,92kg 1kg~1,09l
SPECIFICATIONS:
Minimum assay (Acidim.).....14 %

Order code	Package	Units/Box st.
15A734.1608	100 ml	6
15A734.1610	500 ml	6

Boron Trifluoride-Diethyl Ether (complex) PS
$C_4H_{10}BF_3O$
M: 141,93 CAS: 109-63-7 EINECS: 203-689-8 NC: 2931 00 95 UN: 2604
IMDG: 8/I ADR: 8/I IATA: 8/I PAX: 807 CAO: 809
HAZARDOUS:
F C
R: 14/15-34 S: 16-26-28a-36/37/39-45
1l~1,125kg 1kg~0,888l
SPECIFICATIONS:
Assay (as BF_3).....45-50 %
Density at 20/4 1,124-1,127

Order code	Package	Units/Box st.
15A735.1608	100 ml	6
15A735.1610	500 ml	6

Bouin Liquor DC
for microscopy, histology fixing
NC: 3822 00 00
HAZARDOUS:
T
R: 23/24/25-43-34 S: 26-36/37-45
1l~1,029kg 1kg~0,972l
Composition:
Picric Acid moistened with~33% of H_2O.....1,125 g
Acetic Acid Glacial .....5 ml
Formaldehyde 35-40%.....25 ml
Water .....77 ml

Order code	Package	Units/Box st.
254102.1611	1000 ml	6

Brij ® 35 QP
(® Registered trade-mark of ICI)
CAS: 9002-92-0 EINECS: 500-002-6 NC: 2905 49 80
HAZARDOUS:
Xn
R: 22-36 S: 24
SPECIFICATIONS:
Melting range..... 38-41°C
Residue on ignition (as SO_4) ..... 0,5 %
Acidity value 2
Hydroxyl value..... 40-50
Saponification value 2

Order code	Package	Units/Box st.
212316.1211	1000 g P	6
212316.0914	5 kg PP	

Brij ® 35 aqueous solution 30% w/v DC
(® Registered trade-mark of ICI)surfactants for automatical analysis
CAS: 9002-92-0 NC: 2905 49 80
HAZARDOUS:
Xn
R: 22-36 S: 24
1l~1,025kg 1kg~0,976l
Composition:
Brij ® 35 .....30 g
Water s.q.m .....100 ml
Heat to~35°C before use.

Order code	Package	Units/Box st.
252317.1611	1000 ml	6

Brilliant Blue FCF (C.I. 42090) DC
$C_{37}H_{34}N_2Na_2O_9S_3$
M: 792,86 CAS: 3844-45-9 EINECS: 223-339-8 NC: 3204 12 00
SPECIFICATIONS:
Identity.....IR p/t.
λ of max. ABS in H_2O ..... 628-631 nm
A 1%, 1 cm, λmax.....>1150
Ratio λmax. P± 15 nm..... 1,0-1,15
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C..... 15 %

Order code	Package	Units/Box st.
254367.1606	25 g	6

Brilliant Cresyl Blue (C.I. 51010) DC
for microscopy, platelets and thrombocytes staining
$C_{17}H_{20}ClN_3O$
M: 317,79 CAS: 81029-05-2 EINECS: 279-675-0 NC: 3204 13 00
SPECIFICATIONS:
Identity.....IR p/t.
λ of max. ABS in ethanol 50% ..... 622-635 nm
A 1%; 1 cm; λmax.....>1200
Ratio λmax. P ± 15 nm..... 1,03-1,20
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 135°C..... 10 %

Order code	Package	Units/Box st.
251169.1604	5 g	6
251169.1606	25 g	6

Brilliant Green (C.I. 42040) DC
for microscopy, vegetal tissue staining
$C_{27}H_{34}N_2O_4S$
M: 482,64 CAS: 633-03-4 EINECS: 211-190-1 NC: 3204 13 00
HAZARDOUS:
Xn
R: 22-36/38 S: 22-24/25
SPECIFICATIONS:
Identity.....IR p/t.
λ of max. ABS in C_2H_5OH 50%..... 628-632 nm
A 1%, 1cm, λmax.....>1750
Ratio λmax. P ± 15 nm..... 0,94-1,14
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 135°C..... 5 %

Order code	Package	Units/Box st.
251758.1606	25 g	6
251758.1608	100 g	6

Brilliant Green aqueous solution 5% DC
for microscopy, vegetal tissue staining
CAS: 633-03-4 EINECS: 211-190-1 NC: 3204 13 00
1l~1,008kg 1kg~0,992l
Composition:
Brilliant Green.....5 g
Water s.q.m .....100 ml

Order code	Package	Units/Box st.
252339.1608	100 ml	6
252339.1609	250 ml	6

BROMIDE SOLUTION
(see Standards for Ionic Chromatography)

Bromine (Reag. Ph. Eur.) PA-ACS-ISO

Br_2

M: 159,82 CAS: 7726-95-6 EINECS: 231-778-1 NC: 2801 30 90 UN: 1744
IMDG: 8/I ADR: 8/I IATA: 8/- PAX: P CAO: P
HAZARDOUS:

T+ C N **R: 26-35-50 S: 7/9-26-45-61 CE: 035-001-00-5**

1l~3,190kg 1kg~0,313l
SPECIFICATIONS:
Minimum assay (Iodom.) ..... 99,5 %
MAXIMUM LIMIT OF IMPURITIES
Non-volatile matter ..... 0,005 %
Chlorine (Cl) ..... 0,05 %
Iodine (I) ..... 0,0005 %
Organic brominated compounds ..... p/t.
Sulphur compounds (as S) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0002 %
Metals by ICP [mg/Kg (ppm)]

Ag	0,1	Cu	0,2	Ni	0,2
Al	0,5	Fe	0,5	Pb	0,5
As	0,5	Ga	0,1	Pt	0,1
Au	0,1	Ge	0,1	Sb	0,1
B	0,2	Hg	0,1	Si	0,4
Ba	0,5	In	0,1	Sn	0,1
Be	0,5	K	5	Sr	5
Bi	0,1	Li	0,2	Ti	0,1
Ca	5	Mg	5	Tl	0,1
Cd	0,2	Mn	0,2	V	0,1
Co	0,2	Mo	0,1	Zn	0,5
Cr	0,2	Na	5	Zr	0,1

Order code	Package	Units/Box st.
131199.2208	100 ml	6
131199.2209	250 ml	6

Bromine PRS

Br_2

M: 159,82 CAS: 7726-95-6 EINECS: 231-778-1 NC: 2801 30 90 UN: 1744
IMDG: 8/I ADR: 8/I IATA: 8/- PAX: P CAO: P
HAZARDOUS:

T+ C N **R: 26-35-50 S: 7/9-26-45-61 CE: 035-001-00-5**

1l~3,190kg 1kg~0,313l
SPECIFICATIONS:
Assay (Iodom.) ..... 99 %
Non-volatile matter ..... 0,05 %
Chlorine (Cl) ..... 0,3 %
Iodine (I) ..... 0,001 %
Sulphate (SO_4) ..... 0,003 %
As ..... 0,0001 %
Cu ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,00005 %

Order code	Package	Units/Box st.
141199.2208	100 ml	6
141199.2209	250 ml	6

Bromine, 99% PS

Br_2

M: 159,82 CAS: 7726-95-6 EINECS: 231-778-1 NC: 2801 30 90 UN: 1744
IMDG: 8/I ADR: 8/I IATA: 8/- PAX: P CAO: P
HAZARDOUS:

T+ C N **R: 26-35-50 S: 7/9-26-45-61 CE: 035-001-00-5**

1l~3,190kg 1kg~0,313l
SPECIFICATIONS:
Minimum assay (Iodom.) ..... 99 %

Order code	Package	Units/Box st.
161199.2209	250 ml	6
161199.2211	1000 ml	3

Bromine (Bromate-Bromide) 0,05 mol/l (0,1N) SV

Indicator: Starch
NC: 3822 00 00
1l~1,011kg 1kg~0,989l
SPECIFICATIONS:
Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
182000.1211	1000 ml	6

Bromine Index AMCS solution PA

NC: 3822 00 00 UN: 2922
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C T N **R: 10-34-23/24/25-40-48/23-59**
S: 23c-24/25-26-36/37-45-59-61

1l~1,10kg 1kg~0,90l
Composition:
Acetic Acid glacial ..... 71,4 ml
Sulphuric Acid 20% ..... 1,8 ml
Carbon Tetrachloride ..... 13,4 ml
Methanol ..... 13,4 ml

Order code	Package	Units/Box st.
124850.1611	1000 ml	6

Bromine Index AMPS solution PA

NC: 3822 00 00 UN: 1760
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C Xn **R: 10-34-20/22 S: 23c-24/25-26-36/37**

1l~1,027kg 1l~0,973l
Composition:
Acetic Acid glacial ..... 71,4 ml
Sulphuric Acid 20% ..... 1,8 ml
Methanol ..... 13,4 ml
1-Methyl-2-Pyrrolidone ..... 13,4 ml

Order code	Package	Units/Box st.
125397.1211	1000 ml	6

Bromine Iodide

(see Iodine mono-Bromide)

Bromine Water saturated solution RE

Br_2

M: 159,92 CAS: 7726-95-6 NC: 3822 00 00 UN: 2922
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

T N **R: 23-36/38-51 S: 26-45-61**

1l~1,03kg 1kg~0,97l
Composition:
Bromine ..... 1,5 ml
Water ..... 100 ml

Order code	Package	Units/Box st.
171072.1610	500 ml	6

4-Bromoacetanilide, 98% PS

C_8H_8BrNO

M: 214,07 CAS: 103-88-8 EINECS: 203-154-9 NC: 2924 29 95
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 167-170°C

Order code	Package	Units/Box st.
15A644.1608	100 g	6

Bromoacetic Acid, 99% PS

$C_2H_3BrO_2$

M: 138,95 CAS: 79-08-3 EINECS: 201-178-5 NC: 2915 29 00 UN: 3425
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 822
HAZARDOUS:

T C **R: 35-23/24/25 S: 45-36/37/39 CE: 607-065-00-X**

SPECIFICATIONS:
Minimum assay ..... 99 %

Order code	Package	Units/Box st.
15A977.1609	250 g	6
15A977.1611	1000 g	6

Bromoacetic Acid Ethyl Ester

(see Ethyl Bromoacetate)

RE

Reactivos y soluciones para aplicaciones analíticas específicas
Reagents and solutions for specific analytical techniques
Réactifs et solutions pour des applications analytiques spécifiques

3'-Bromoacetophenone, 98% PS

C_8H_7BrO

M: 199,05 CAS: 2142-63-4 EINECS: 218-396-0 NC: 2914 70 00

HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

1l~1,496kg 1kg~0,668l

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B348.1604	5 ml	6
15B348.1606	25 ml	6
15B348.1608	100 ml	6

4'-Bromoacetophenone, 98% PS

C_8H_7BrO

M: 199,05 CAS: 99-90-1 EINECS: 202-799-3 NC: 2914 70 00

HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B349.1606	25 g	6
15B349.1608	100 g	6

2-Bromoaniline, 98% PS

C_6H_6BrN

M: 172,03 CAS: 615-36-1 EINECS: 210-421-3 NC: 2921 42 10 UN: 2811

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T **R: 23/24/25-33 S: 28a-36/37-45**

1l~1,578kg 1kg~0,634l

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B235.1606	25 g	6
15B235.1608	100 g	6

4-Bromoaniline (Reag. USP) PA

$BrC_6H_4NH_2$

M: 172,03 CAS: 106-40-1 EINECS: 203-393-9 NC: 2921 42 10 UN: 2811

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T **R: 23/24/25-33 S: 28a-36/37-45**

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Melting range ..... 62-64°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in C_2H_5OH ..... 0,01 %
Residue on ignition (as SO_4) ..... 0,05 %
Water (H_2O) ..... 0,25 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
122842.1606	25 g	6

4-Bromoaniline, 98% PS

$BrC_6H_4NH_2$

M: 172,03 CAS: 106-40-1 EINECS: 203-393-9 NC: 2921 42 10 UN: 2811

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T **R: 23/24/25-33 S: 28a-36/37-45**

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 61-66°C

Order code	Package	Units/Box st.
162842.1608	100 g	6

3-Bromoanisole, 98% PS

C_7H_7BrO

M: 187,04 CAS: 2398-37-0 EINECS: 219-264-5 NC: 2909 30 38

HAZARDOUS:

R: 52/53 S: 61

1l~1,477kg 1kg~0,677l

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B243.1608	100 ml	6

3-Bromobenzaldehyde, 97% PS

C_7H_5BrO

M: 185,03 CAS: 3132-99-8 EINECS: 221-526-9 NC: 2913 00 00

HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

1l~1,587kg 1kg~0,630l

SPECIFICATIONS:

Assay ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B289.1606	25 ml	6
15B289.1608	100 ml	6

4-Bromobenzaldehyde, 99% PS

C_7H_5BrO

M: 185,02 CAS: 1122-91-4 EINECS: 214-365-0 NC: 2913 00 00

HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B290.1606	25 g	6
15B290.1608	100 g	6

Bromobenzene, 99% PS

C_6H_5Br

M: 157,02 CAS: 108-86-1 EINECS: 203-623-8 NC: 2903 69 90 UN: 2514

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xi N **R: 10-38-51/53 S: 61 CE: 602-060-00-9**

1l~1,496kg 1kg~0,668l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,494-1,497
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
15A737.1609	250 ml	6
15A737.1611	1000 ml	6
15A737.1214	5 l	4

2-Bromobenzoic Acid, 99% PS

$C_7H_5BrO_2$

M: 201,03 CAS: 88-65-3 EINECS: 201-848-6 NC: 2916 39 00

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.
Melting range ..... 147-149°C

Order code	Package	Units/Box st.
15B577.1208	100 g	6

4-Bromobenzonitrile, 99% PS

C_7H_4BrN

M: 182,03 CAS: 623-00-7 EINECS: 210-764-9 NC: 2926 90 95 UN: 3439

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn **R: 21/22-36-52/53 S: 36/37-60-61**

1l~1,562kg 1kg~0,640l

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B301.1605	10 g	6
15B301.1607	50 g	6

2-Bromobenzoyl Chloride, 98% PS

C_7H_4BrClO

M: 219,46 CAS: 7154-66-7 EINECS: 230-507-4 NC: 2916 39 00 UN: 3265
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C

R: 34 S: 26-36/37/39-45
1l~1,674kg 1kg~0,597l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B377.1605	10 ml	6
15B377.1607	50 ml	6

3-Bromobenzoyl Chloride, 98% PS

C_7H_4BrClO

M: 219,47 CAS: 1711-09-7 EINECS: 216-97-89 NC: 2916 39 00 UN: 3265
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C

R: 34 S: 26-36/37/39-45
1l~1,662kg 1kg~0,602l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B378.1604	5 ml	6
15B378.1606	25 ml	6

4-Bromobenzoyl Chloride, 98% PS

C_7H_4BrClO

M: 219,47 CAS: 586-75-4 EINECS: 209-580-1 NC: 2916 39 00 UN: 3261
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C

R: 34 S: 26-36/37/39-45
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B379.1605	10 g	6
15B379.1606	25 g	6

2-Bromobenzyl Bromide, 98% PS

$C_7H_6Br_2$

M: 249,94 CAS: 3433-80-5 EINECS: 222-334-8 NC: 2903 69 90 UN: 1759
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C

R: 34 S: 26-36/37/39-45
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B364.1606	25 g	6

3-Bromobenzyl Bromide, 99% PS

$C_7H_6Br_2$

M: 249,94 CAS: 823-78-9 EINECS: 212-519-1 NC: 2903 69 90 UN: 3261
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C

R: 34-37 S: 26-36/37/39-45
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B365.1604	5 g	6
15B365.1606	25 g	6

4-Bromobenzyl Bromide, 98% PS

$C_7H_6Br_2$

M: 249,94 CAS: 589-15-1 EINECS: 209-636-5 NC: 2903 69 90 UN: 1759
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C

R: 34-37 S: 26-36/37/39-45
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B366.1606	25 g	6
15B366.1608	100 g	6

3-Bromobenzyl Chloride, 99% PS

C_7H_6BrCl

M: 205,48 CAS: 932-77-4 NC: 2903 69 90
HAZARDOUS:

C

R: 34 S: 26-36/37/39-45
1l~1,608kg 1kg~0,622l
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B367.1604	5 ml	6
15B367.1606	25 ml	6

4-Bromobiphenyl, 98% PS

$C_{12}H_9Br$

M: 233,12 CAS: 92-66-0 EINECS: 202-176-6 NC: 2903 69 90
HAZARDOUS:

Xi

R: 36/37/38 S: 26-36
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.
Melting range ..... 87-90°C

Order code	Package	Units/Box st.
15A953.1605	10 g	6
15A953.1607	50 g	6

1-Bromobutane, 98% PS

C_4H_9Br

M: 137,03 CAS: 109-65-9 EINECS: 203-691-9 NC: 2903 39 19 UN: 1126
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

Xi

R: 10-36/38 S: 26-36
1l~1,273kg 1kg~0,786l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,270-1,275
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
15A600.1610	500 ml	6
15A600.1611	1000 ml	6

1-Bromo-4-Chlorobutane, 98% PS

C_4H_8BrCl

M: 171,47 CAS: 6940-78-9 EINECS: 230-089-3 NC: 2903 49 80 UN: 1993
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xi

R: 36/37/38 S: 26-36
1l~1,489kg 1kg~0,672l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B453.1606	25 ml	6
15B453.1608	100 ml	6

5-Bromo-4-Chloro-3-Indolyl-β-D-Galactopyranoside PB

$C_{14}H_{15}BrClNO_6$

M: 408,61 CAS: 7240-90-6 EINECS: 230-640-8 NC: 2932 29 85
SPECIFICATIONS:
Minimim assay ..... 99 %
Identity ..... IR p/t.
Specific rotation [α]20/D c=1 (DMF:H_2O 1:1) ..... -60,0 to -64,0°

Order code	Package	Units/Box st.
376105.1603	1 g	6
376105.1604	5 g	6

5-Bromo-6-Chloro-3-Indolyl-β-D-Glucuronide Cyclohexylammonium Salt PB

$C_{20}H_{26}BrClN_2O_7$

M: 521,79 CAS: 144110-43-0 NC: 2918 99 90
SPECIFICATIONS:
Minimum assay ..... 98 %
Identity ..... IR p/t.
Specific rotation [α] 20/D c=1 (DMF:H_2O 1:1) ..... -65,0 to -69,0°

Order code	Package	Units/Box st.
376095.1603	1 g	6
376095.1604	5 g	6

Bromochlorophenol Blue PA

pH indicator 3,0 yellow; 4,6 purple blue
$C_{19}H_{10}Br_2Cl_2O_5S$
M: 581,08 CAS: 2553-71-1 EINECS: 219-861-0 NC: 2932 99 85
SPECIFICATIONS:
Identity....IR p/t.
λ of max. ABS in NaOH 0,002 mol/l....588-592 nm
A 1%, 1 cm, λmax....>900
T.L.C....p/t.
MAXIMUM LIMIT OF IMPURITIES
pH transition interval:
yellow....3,0
purple blue....4,6
Insoluble matter in C_2H_5OH....p/t.
Loss on drying at 135°C....5 %
Residue on ignition (as SO_4)....0,5 %

Order code	Package	Units/Box st.
122593.1604	5 g	6

3-Bromo-α-Chlorotoluene

(see 3-Bromobenzyl Chloride)

2-Bromocinnamic Acid, 98% PS

$C_9H_7BrO_2$
M: 227,10 CAS: 7345-79-1 EINECS: 231-353-0 NC: 2916 39 00
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
SPECIFICATIONS:
Assay....98 %
Identity....IR p/t.

Order code	Package	Units/Box st.
15C138.1604	5 g	6
15C138.1606	25 g	6

3-Bromocinnamic Acid, 98% PS

$C_9H_7BrO_2$
M: 227,05 CAS: 32862-97-8 EINECS: 251-267-7 NC: 2916 39 00
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
SPECIFICATIONS:
Assay....98 %
Identity....IR p/t.

Order code	Package	Units/Box st.
15C143.1604	5 g	6
15C143.1606	25 g	6

4-Bromocinnamic Acid, 99% PS

$C_9H_7BrO_2$
M: 227,05 CAS: 50663-21-3 NC: 2916 39 00
HAZARDOUS:
Xi
R: 36/37/38 S: 26-37/39
SPECIFICATIONS:
Assay....99 %
Identity....IR p/t.

Order code	Package	Units/Box st.
15C148.1604	5 g	6
15C148.1606	25 g	6

Bromocresol Green PA-ACS

pH indicator 3,8 yellow; 5,4 blue
$C_{21}H_{14}Br_4O_5S$
M: 698,04 CAS: 76-60-8 EINECS: 200-972-8 NC: 2932 29 85
SPECIFICATIONS:
Identity....IR p/t.
T.L.C....p/t.
MAXIMUM LIMIT OF IMPURITIES
pH transition interval:
yellow....3,8
blue....5,4
Transition interval according to ACS....p/t.
Insoluble matter in C_2H_5OH....p/t.
Loss on drying at 110°C....5 %
Residue on ignition (as SO_4)....0,5 %

Order code	Package	Units/Box st.
131759.1603	1 g	6
131759.1604	5 g	6
131759.1606	25 g	6

Bromocresol Green solution 0,04% RV

pH indicator 3,6 yellow; 5,4 blue
$C_{21}H_{14}Br_4O_5S$
M: 698,04 CAS: 76-60-8 NC: 3822 00 00
1l~0,979kg 1kg~1,021l
Composition:
Bromocresol green....40 mg
Ethanol absolute....17 ml
Sodium Hydroxide 0,1 mol/l....0,58 ml
Water s.q.m....100 ml

Order code	Package	Units/Box st.
281760.1208	100 ml	6

Bromocresol Purple PA

pH indicator 5,2 greenish yellow; 6,8 bluish purple
$C_{21}H_{16}Br_2O_5S$
M: 540,24 CAS: 115-40-2 EINECS: 204-087-8 NC: 2934 99 90
SPECIFICATIONS:
Identity....IR p/t.
λ_1 of max. ABS at pH 5,2....427-433 nm
λ_2 of max. ABS at pH 6,8....588-590 nm
A 1%, 1cm, λ_1 max. (calc. a.d.s.)....>400
A 1%, 1cm, λ_2 max. (calc. a.d.s.)....>950
T.L.C....p/t.
MAXIMUM LIMIT OF IMPURITIES
pH transition interval:
greenish yellow....5,2
bluish purple....6,8
Insoluble matter in C_2H_5OH....p/t.
Loss on drying at 110°C....1 %
Residue on ignition (as SO_4)....0,5 %

Order code	Package	Units/Box st.
121546.1604	5 g	6
121546.1606	25 g	6

Bromocresol Purple Sodium Salt PA

pH indicator 5,2 greenish yellow; 6,8 bluish purple
$C_{21}H_{15}Br_2NaO_5S$
M: 562,22 CAS: 62625-30-3 EINECS: 263-655-3 NC: 2932 29 85
SPECIFICATIONS:
Identity....IR p/t.
λ_1 of max. ABS at pH 5,2....429-433 nm
λ_2 of max. ABS at pH 6,8....588-590 nm
A 1%, 1 cm, λ_1 max....>300
A 1%, 1 cm, λ_2 max....>750
T.L.C....p/t.
MAXIMUM LIMIT OF IMPURITIES
pH transition interval:
greenish yellow....5,2
bluish purple....6,8
Cu....0,005 %
Fe....0,005 %
Ni....0,005 %
Pb....0,005 %

Order code	Package	Units/Box st.
125027.1604	5 g	6

BROMOCRESOL PURPLE SOLUTIONS

Bromocresol Purple solution 0,025% RV

pH indicator 5,2 greenish yellow; 6,8 bluish purple
$C_{21}H_{16}Br_2O_5S$
M: 540,24 CAS: 115-40-2 EINECS: 204-087-8 NC: 2932 29 85
1l~1,000kg 1kg~1,000l
SPECIFICATIONS:
pH transition interval:
greenish yellow....5,2
bluish purple....6,8

Order code	Package	Units/Box st.
282861.1211	1000 ml	6

Bromocresol Purple solution 0,04% RV

pH indicator 5,2 greenish yellow; 6,8 bluish purple
$C_{21}H_{16}Br_2O_5S$
M: 540,24 CAS: 115-40-2 EINECS: 204-087-8 NC: 2932 29 85
1l~0,976kg 1kg~1,024l
SPECIFICATIONS:
pH transition interval:
greenish yellow....5,2
bluish purple....6,8

Order code	Package	Units/Box st.
281547.1208	100 ml	6

Bromocresol Purple 0,2% tablets 0,1g RV

pH indicator 5,2 greenish yellow; 6,8 bluish purple
$C_{21}H_{16}Br_2O_5S$
M: 540,24 CAS: 115-40-2 EINECS: 204-087-8 NC: 3822 00 00
SPECIFICATIONS:
λ_1 of max. ABS at pH 5,2 ..... 427-432 nm
λ_2 of max. ABS at pH 6,8 ..... 588-590 nm
ABS at λ_1 max. (0,4% sol.) 0,30-0,38
ABS at λ_2 max. (0,4% sol.) 0,70-0,90
MAXIMUM LIMIT OF IMPURITIES
pH transition interval:
greenish yellow 5,2
bluish purple 6,8

Order code	Package	Units/Box st.	
283357.1209	250 g	6	(*)

Bromocyclopropane

(see Cyclopropyl Bromide)

1-Bromo-2,3-Dichlorobenzene

(see 3-Bromo-1,2-Dichlorobenzene)

1-Bromo-2,4-Dichlorobenzene

(see 4-Bromo-1,3-Dichlorobenzene)

1-Bromo-3,4-Dichlorobenzene

(see 4-Bromo-1,2-Dichlorobenzene)

3-Bromo-1,2-Dichlorobenzene, 98% PS

$C_6H_3BrCl_2$
M: 225,89 CAS: 56961-77-4 EINECS: 260-476-2 NC: 2903 69 90
HAZARDOUS:
Xi
R: 36/37/38 S: 26-28a-37/39
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C017.1606	25 g	6
15C017.1608	100 g	6

4-Bromo-1,2-Dichlorobenzene, 98% PS

$C_6H_3BrCl_2$
M: 225,89 CAS: 18282-59-2 EINECS: 242-160-6 NC: 2903 69 90
HAZARDOUS:
Xi
R: 36/37/38 S: 26-37/39
1l~1,761 kg 1kg~0,568l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C020.1604	5 ml	6
15C020.1606	25 ml	6

4-Bromo-1,3-Dichlorobenzene, 98% PS

$C_6H_3BrCl_2$
M: 225,89 CAS: 1193-72-2 EINECS: 214-778-6 NC: 2903 69 90
HAZARDOUS:
Xi
R: 36/37/38 S: 26-37/39
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C028.1604	5 g	6
15C028.1606	25 g	6

4-Bromo-2,6-Dimethylaniline, 98% PS

$C_8H_{10}BrN$
M: 200,07 CAS: 24596-19-8 EINECS: 246-337-9 NC: 2921 42 90
HAZARDOUS:
Xn
R: 20/21/22-36/37/38 S: 26-36/37/39
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C022.1604	5 g	6
15C022.1606	25 g	6

1-Bromo-2,3-Dimethylbenzene

(see 3-Bromo-1,2-Dimethylbenzene)

3-Bromo-1,2-Dimethylbenzene, 99% PS

C_8H_9Br
M: 185,06 CAS: 576-23-8 EINECS: 209-398-2 NC: 2903 69 90
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36/37/39
1l~1,365kg 1kg~0,733l
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C011.1604	5 ml	6
15C011.1606	25 ml	6

Bromoethane, 99% PS

C_2H_5Br
M: 108,97 CAS: 74-96-4 EINECS: 200-825-8 NC: 2903 39 19 UN: 1891
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:
F Xn
R: 11-20/22-40 S: 36/37 CE: 602-055-00-1
1l~1,459kg 1kg~0,685l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,458-1,460
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
15A738.1609	250 ml	6
15A738.1611	1000 ml	6

2-Bromoethylammonium Bromide, 99% PS

$C_2H_7Br_2N$
M: 204,90 CAS: 2576-47-8 EINECS: 219-924-2 NC: 2921 19 80
SPECIFICATIONS:
Minimum assay (Arg.) ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A627.1608	100 g	6

4-Bromo-2-Fluoroaniline, 98% PS

C_6H_5BrFN
M: 190,01 CAS: 367-24-8 EINECS: 206-685-4 NC: 2921 42 10
HAZARDOUS:
Xn
R: 20/21/22-36/37/38 S: 26-36/37/39
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C012.1605	10 g	6
15C012.1607	50 g	6

3-Bromo-4-Fluorobenzaldehyde, 98% PS

C_7H_4BrFO
M: 203,01 CAS: 77771-02-9 EINECS: 278-764-1 NC: 2913 00 00
HAZARDOUS:
Xi
R: 36/37/38 S: 26-37/39
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C077.1604	5 g	6
15C077.1606	25 g	6

4-Bromo-2-Fluorobenzaldehyde, 96% PS

C_7H_4BrFO
M: 203,01 CAS: 57848-46-1 NC: 2913 00 00
HAZARDOUS:
Xi
R: 36/37/38 S: 26-37/39
SPECIFICATIONS:
Assay ..... 96 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C082.1604	5 g	6
15C082.1606	25 g	6

(*) 2500 tablets of 0,1 g

5-Bromo-2-Fluorobenzaldehyde, 98% PS

C_7H_4BrFO

M: 203,01 CAS: 93777-26-5 EINECS: 298-056-6 NC: 2913 00 00

HAZARDOUS:

Xi

R: 36/37/38 S: 26-37/39

1l~1,710kg 1kg~0,585l

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C085.1604	5 g	6
15C085.1606	25 g	6

1-Bromo-3-Fluorobenzene, 98% PS

C_6H_4BrF

M: 175,00 CAS: 1073-06-9 EINECS: 214-023-0 NC: 2903 69 90 UN: 1993

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xi

R: 10-36/37/38 S: 16-26-37/39

1l~1,567kg 1kg~0,638l

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B458.1606	25 ml	6
15B458.1608	100 ml	6

2-Bromo-5-Fluorotoluene, 98% PS

C_7H_6BrF

M: 189,02 CAS: 452-63-1 EINECS: 207-203-5 NC: 2903 69 90 UN: 1993

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xi

R: 10-36/37/38 S: 16-26-37/39

1l~1,495kg 1kg~0,669l

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C027.1604	5 ml	6
15C027.1606	25 ml	6

α-Bromo-4-Fluorotoluene

(see 4-Fluorobenzyl Bromide)

Bromoform stabilized with ethanol (Ph. Fr.) PRS-CODEX

Br_3CH

M: 252,75 CAS: 75-25-2 EINECS: 200-854-6 NC: 2903 39 19 UN: 2515

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618

HAZARDOUS:

T N

R: 23-36/38-51/53 S: 28a-45-61 CE: 602-007-00-X

1l~2,825kg 1kg~0,354l

SPECIFICATIONS:

Assay (G.C.) ..... 98 %
Identity according to Pharmacopoeias ..... p/t.
Density at 20/4 2,810-2,830

MAXIMUM LIMIT OF IMPURITIES

Residual solvents (Ph.Eur./USP) ..... p/t.
Ethanol (G.C.) ..... 1,0 %
Foreign odorous substances ..... p/t.
Acidity ..... p/t.
Chlorine compounds ..... p/t.
Water (H_2O) ..... 0,1 %
Free bromine ..... p/t.
Bromide ..... p/t.

Order code	Package	Units/Box st.
141201.1611	1000 g	6
141201.1614	5 kg	4
141201.0816	25 kg	P

Bromoform, 99% stabilized with ~1% of ethanol PS

Br_3CH

M: 252,75 CAS: 75-25-2 EINECS: 200-854-6 NC: 2903 39 19 UN: 2515

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618

HAZARDOUS:

T N

R: 23-36/38-51/53 S: 28a-45-61 CE: 602-007-00-X

1l~2,825kg 1kg~0,354l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 2,810-2,830
Ethanol (G.C) ..... 1,0 %
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
161201.1609	250 g	6
161201.1611	1000 g	6

1-Bromoheptane, 98% PS

$C_7H_{15}Br$

M: 179,10 CAS: 629-04-9 EINECS: 211-068-8 NC: 2903 39 19

1l~1,142kg 1kg~0,876l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,137-1,145
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
15A601.1610	500 ml	6

1-Bromohexane, 98% PS

$C_6H_{13}Br$

M: 165,08 CAS: 111-25-1 EINECS: 203-850-2 NC: 2903 39 19 UN: 1993

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

F

R: 10

1l~1,176kg 1kg~0,850l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,174-1,178
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
15A602.1609	250 ml	6
15A602.1611	1000 ml	6

5-Bromoindole, 99% PS

C_8H_6BrN

M: 196,04 CAS: 10075-50-0 EINECS: 233-208-7 NC: 2933 99 90

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B654.1604	5 g	6
15B654.1206	25 g	6

1-Bromo-4-Iodobenzene, 98% stabilized with copper PS

C_6H_4BrI

M: 282,90 CAS: 589-87-7 EINECS: 209-662-7 NC: 2903 69 90

HAZARDOUS:

Xi

R: 36/37/38 S: 24/25

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A340.1606	25 g	6
15A340.1608	100 g	6

1-Bromo-3-Methoxybenzene

(see 3-Bromoanisole)

Bromomethylcyclopropane, 91% PS

C_4H_7Br

M: 135,00 CAS: 7051-34-5 EINECS: 230-331-8 NC: 2903 39 19 UN: 1993

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

R: 10 S: 24/25

1l~1,407kg 1kg~0,710l

SPECIFICATIONS:

Minimum assay ..... 91 %

Order code	Package	Units/Box st.
15A043.1603	1 ml	6
15A043.1604	5 ml	6

1-Bromo-2-Methylpropane, 99% PS

C_4H_9Br

M: 137,02 CAS: 78-77-3 EINECS: 201-141-2 NC: 2903 39 19 UN: 2342
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-37 S: 16-23c**

1l~1,260kg 1kg~0,793l
SPECIFICATIONS:
Minimum assay ..... 99 %

Order code	Package	Units/Box st.
15A058.1608	100 ml	6
15A058.1610	500 ml	6

2-Bromo-2-Methylpropane, 97% stabilized with potassium carbonate PS

C_4H_9Br

M: 137,03 CAS: 507-19-7 EINECS: 208-065-9 NC: 2903 39 19 UN: 2342
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn **R: 11-22 S: 16-23c-24/25**

1l~1,216kg 1kg~0,822l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 97 %
Identity ..... IR p/t.
Density at 20/4 1,215-1,225

Order code	Package	Units/Box st.
15A626.1608	100 ml	6
15A626.1610	500 ml	6
15A626.1611	1000 ml	6

1-Bromonaphthalene, 96% PS

$C_{10}H_7Br$

M: 207,08 CAS: 90-11-9 EINECS: 201-965-2 NC: 2903 69 90
1l~1,485kg 1kg~0,673l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 96 %
Identity ..... IR p/t.
Density at 20/4 1,483-1,486

Order code	Package	Units/Box st.
15A603.1608	100 ml	6
15A603.1610	500 ml	6

2-Bromonaphthalene, 97% PS

$C_{10}H_7Br$

M: 207,08 CAS: 580-13-2 EINECS: 209-452-5 NC: 2903 69 90
SPECIFICATIONS:
Assay ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B327.1604	5 g	6
15B327.1606	25 g	6

2-Bromo-2-Nitro-1,3-Propanediol (BP) PRS-CODEX

$C_3H_6BrNO_4$

M: 199,99 CAS: 52-51-7 EINECS: 200-143-0 NC: 2905 59 99 UN: 3241
IMDG: 4.1/III ADR: 4.1/III IATA: 4.1/III PAX: 434 CAO: 434
HAZARDOUS:

Xn N **R: 21/22-37/38-41-50 S: 26-36/37/39-61 CE: 603-085-00-8**

SPECIFICATIONS:
Assay ($C_3H_6BrNO_4$) calc. a.d.s. ..... 99,0-101,0 %
Identity according to Pharmacopoeias ..... p/t.
pH of 1% solution 5,0-7,0

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,01 %
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Related substances ..... p/t.
Water (H_2O) ..... 0,5 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
144747.1208	100 g	6
144747.1211	1000 g	6

2-Bromo-2-Nitro-1,3-Propanediol, 98% PS

$C_3H_6BrNO_4$

M: 199,99 CAS: 52-51-7 EINECS: 200-143-0 NC: 2905 59 99 UN: 3241
IMDG: 4.1/III ADR: 4.1/III IATA: 4.1/III PAX: 434 CAO: 434
HAZARDOUS:

Xn N **R: 21/22-37/38-41-50 S: 26-36/37/39-61 CE: 603-085-00-8**

SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
154747.1206	25 g	6

4-Bromo-3-Nitrotoluene, 98% PS

$C_7H_6BrNO_2$

M: 216,03 CAS: 5326-34-1 EINECS: 226-203-6 NC: 2904 90 85
HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B994.1604	5 g	6
15B994.1606	25 g	6

α-Bromo-4-Nitrotoluene

(see 4-Nitrobenzyl Bromide)

1-Bromononane, 98% PS

$C_9H_{19}Br$

M: 207,16 CAS: 693-58-3 EINECS: 211-755-2 NC: 2903 39 19
1l~1,087kg 1kg~0,920l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B326.1606	25 ml	6
15B326.1608	100 ml	6

1-Bromopentane, 99% PS

$C_5H_{11}Br$

M: 151,05 CAS: 110-53-2 EINECS: 203-776-0 NC: 2903 39 19 UN: 1993
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xi **R: 10-36/37/38 S: 26-36**

1l~1,220kg 1kg~0,819l
SPECIFICATIONS:
Minimum assay ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,215-1,218

Order code	Package	Units/Box st.
15A920.1608	100 ml	6
15A920.1610	500 ml	6

2-Bromophenol, 98% PS

C_6H_5BrO

M: 173,00 CAS: 95-56-7 EINECS: 202-432-7 NC: 2908 19 00
HAZARDOUS:

Xn **R: 10-22-36/37/38 S: 16-26-37/39**

1l~1,492kg 1kg~0,670l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B276.1605	10 ml	6
15B276.1607	50 ml	6

3-Bromophenol, 98% PS

C_6H_5BrO

M: 173,02 CAS: 591-20-8 EINECS: 209-706-5 NC: 2908 19 00
HAZARDOUS:

Xi **R: 36/37/38 S: 26-37/39**

SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B275.1606	25 g	6

4-Bromophenol, 98 % PS

C_6H_5BrO

M: 173,01 CAS: 106-41-2 EINECS: 203-394-4 NC: 2908 19 00

HAZARDOUS:

Xn

R: 22-36/37/38 S: 26-37/39

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B277.1608	100 g	6
15B277.1610	500 g	6

Bromophenol Blue PA-ACS

pH indicator 3,0 greenish yellow; 4,6 blue

$C_{19}H_{10}Br_4O_5S$

M: 669,99 CAS: 115-39-9 EINECS: 204-086-2 NC: 2932 99 85

SPECIFICATIONS:

Identity ..... IR p/t.
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

pH transition interval:
greenish yellow 3,0
blue 4,6
Transition interval according to ACS ..... p/t.
Insoluble matter in C_2H_5OH ..... p/t.
Loss on drying at 110°C ..... 5 %
Residue on ignition (as SO_4) ..... 0,5 %
Cu ..... 0,005 %
Fe ..... 0,005 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
131165.1604	5 g	6
131165.1606	25 g	6

Bromophenol Blue DC

for microscopy, proteins staining

$C_{19}H_{10}Br_4O_5S$

M: 669,99 CAS: 115-39-9 EINECS: 204-086-2 NC: 2932 99 85

SPECIFICATIONS:

Identity ..... IR p/t.
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C ..... 5 %

Order code	Package	Units/Box st.
251165.1604	5 g	6
251165.1606	25 g	6

Bromophenol Blue solution 0,04% RV

pH indicator 3,0 greenish yellow; 4,6 blue

$C_{19}H_{10}Br_4O_5S$

M: 669,99 CAS: 115-39-9 NC: 3822 00 00

1l~0,976kg 1kg~1,025l

Composition:
Bromophenol Blue ..... 40 mg
Sodium Hydroxide 0,1 mol/l ..... 1,1 ml
Ethanol absolute ..... 17 ml
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
281166.1208	100 ml	6

4-Bromophenylhydrazinium Chloride, 96% PS

$C_6H_8BrClN_2$

M: 223,51 CAS: 41931-18-4 EINECS: 255-590-4 NC: 2928 00 90 UN: 2811

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 613 CAO: 615

HAZARDOUS:

T

R: 23/24/25-36/37/38 S: 36/37-45

SPECIFICATIONS:

Minimum assay ..... 96 %

Order code	Package	Units/Box st.
15A308.1605	10 g	6
15A308.1607	50 g	6

2-Bromopropane, 99% PS

C_3H_7Br

M: 123,00 CAS: 75-26-3 EINECS: 200-855-1 NC: 2903 39 19 UN: 2344

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F T

R: 60-11-48/20-66 S: 16-53-45 CE: 602-085-00-5

1l~1,31kg 1kg~0,76l

SPECIFICATIONS:

Minimum assay ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,310-1,315
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
15A918.1609	250 ml	6
15A918.1611	1000 ml	6

Bromopyrogallol Red PA

for complexometry

$C_{19}H_{10}Br_2O_8S$

M: 558,17 CAS: 16574-43-9 EINECS: 240-632-6 NC: 2932 29 85

SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS in Pyridine/H_2O ..... 554-560 nm
A 1%, 1 cm, λmax ..... ≥650
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 135°C ..... 2 %

Order code	Package	Units/Box st.
122638.1604	5 g	6

N-Bromosuccinimide, 98% PS

$(CH_2.CO)_2NBr$

M: 177,99 CAS: 128-08-5 EINECS: 204-877-2 NC: 2925 19 95 UN: 1759

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823

HAZARDOUS:

Xn

R: 22-36/37/38 S: 26-36

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 174-179°C

Order code	Package	Units/Box st.
15A834.1609	250 g	6

Bromothymol Blue PA-ACS

pH indicator 6,0 yellow; 7,6 blue

$C_{27}H_{28}Br_2O_5S$

M: 624,40 CAS: 76-59-5 EINECS: 200-971-2 NC: 2932 99 85

SPECIFICATIONS:

Identity ..... IR p/t.
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

pH transition interval:
yellow 6,0
blue 7,6
Transition interval according to ACS ..... p/t.
Insoluble matter in C_2H_5OH ..... p/t.
Loss on drying at 110°C ..... 5 %
Residue on ignition (as SO_4) ..... 0,5 %
Cu ..... 0,005 %
Fe ..... 0,005 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
131167.1604	5 g	6
131167.1606	25 g	6

Bromothymol Blue DC

for microscopy, vital staining

$C_{27}H_{28}Br_2O_5S$

M: 624,40 CAS: 76-59-5 EINECS: 200-971-2 NC: 2932 99 85

SPECIFICATIONS:

Identity ..... IR p/t.
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C ..... 5 %

Order code	Package	Units/Box st.
251167.1604	5 g	6
251167.1606	25 g	6

PAI
PAR

Disolventes de alta pureza para el análisis de residuos de pesticidas
High purity solvents for pesticide residues analysis
Solvants de grande pureté pour l'analyse de résidus de pesticides

BROMOTHYMOL BLUE SOLUTIONS

Bromothymol Blue solution 0,04% RV

pH indicator 6,0 yellow; 7,6 blue
$C_{27}H_{28}Br_2O_5S$
M: 624,40 CAS: 76-59-5 NC: 3822 00 00
1l~0,974kg 1kg~1,027l
Composition:
Bromothymol Blue....40 mg
Sodium Hydroxide 0,1 mol/l....0,8 ml
Ethanol absolute....20,4 ml
Water s.q.m....100 ml

Order code	Package	Units/Box st.
281168.1208	100 ml	6
281168.1209	250 ml	6

Bromothymol Blue solution 0,4% VINIKIT

for determination of total acidity in wine and must. pH indicator 6,0 yellow; 7,6 blue
$C_{27}H_{28}Br_2O_5S$
M: 624,40 CAS: 76-59-5 NC: 3822 00 00 UN: 1993
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
F
R: 10
1l~0,932kg 1kg~1,073l
Composition:
Bromothymol Blue....0,4 g
Sodium Hydroxide 0,1 mol/l....1,8 ml
Ethanol absolute....50 ml
Water s.q.m....100 ml

Order code	Package	Units/Box st.
624566.1209	250 ml	6

2-Bromotoluene, 98% PS

C_7H_7Br
M: 171,04 CAS: 95-46-5 EINECS: 202-421-7 NC: 2903 69 90
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,42kg 1kg~0,70l
SPECIFICATIONS:
Assay....98 %
Identity....IR p/t.

Order code	Package	Units/Box st.
15B309.1606	25 ml	6
15B309.1608	100 ml	6

4-Bromotoluene, 98% PS

C_7H_7Br
M: 171,05 CAS: 106-38-7 EINECS: 203-391-8 NC: 2903 69 90 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911
HAZARDOUS:
Xn N
R: 20/22-36/37/38-51/53 S: 26-37/39-61
1l~1,400kg 1kg~0,714l
SPECIFICATIONS:
Assay....98 %
Identity....IR p/t.

Order code	Package	Units/Box st.
15B311.1608	100 ml	6
15B311.1610	500 ml	6

Bromotrichloromethane, 98% PS

$CBrCl_3$
M: 198,27 CAS: 75-62-7 EINECS: 200-886-0 NC: 2903 49 80 UN: 2810
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:
Xn
R: 20/21/22 S: 36/37
1l~2,010kg 1kg~0,497l
SPECIFICATIONS:
Minimum assay (G.C.)....98 %
Identity....IR p/t.
Density at 20/4....2,00-2,01
Water (H_2O)....0,05 %

Order code	Package	Units/Box st.
15A740.1608	100 ml	6
15A740.1609	250 ml	6

3-Bromo-o-Xylene

(see 3-Bromo-1,2-Dimethylbenzene)

4-Bromo-2,6-Xylidine

(see 4-Bromo-2,6-Dimethylaniline)

Bronopol

(see 2-Bromo-2-Nitro-1,3-Propanediol)

Broth (prepared for Microbiology)

(see chapter CULTIMED products)

Broth Base (prepared for Microbiology)

(see chapter CULTIMED products)

BSA

(see N,O-Bis (Trimethylsilyl) Acetamide)

BSTFA

(see N,O-Bis (Trimethylsilyl) Trifluoroacetamide)

Buffer for Fungal Falling Number RE

NC: 3822 00 00
1l~1,006kg 1kg~0,994l
Composition:
Calcium Acetate 1-hydrate....1,2 g
Acetic Acid glacial....0,13 ml
Water s.q.m....100 ml

Order code	Package	Units/Box st.
175307.1209	250 ml	6

IONIZATION BUFFERS FOR ATOMIC ABSORPTION

Buffer Solution Aluminium Nitrate/Cesium Chloride RE

($Al(NO_3)_3.9H_2O$ + CsCl in H_2O) for the ionization control in atomic absorption according to Schuhknecht and Schinkel
NC: 3822 00 00
HAZARDOUS:
Xi
R: 36/38 S: 26-36
1l~1,140kg 1kg~0,877l
SPECIFICATIONS:
Assay (as $Al(NO_3)_3.9H_2O$)....247,5-252,5 g/l
Assay (as CsCl)....49,5-50,5 g/l
Metals by ICP [mg/Kg (ppm)]
Li....1
K....1
Na....5

Order code	Package	Units/Box st.
176167.1211	1000 ml	6

Buffer Solution Cesium Chloride/Lanthanum Chloride RE

(CsCl + La_2O_3 in HCl) for the ionization control in atomic absorption according to Schinkel
NC: 3822 00 00
1l~1,176kg 1kg~0,850l
SPECIFICATIONS:
Assay (as La)....95,2-105,2 g/l
Assay (as Cs)....7,50-8,28 g/l
Metals by ICP [mg/Kg (ppm)]

Ca	5	Fe	1	Na	2
Cd	0,2	K	1	Ni	1
Co	1	Li	0,2	Sr	1
Cr	1	Mg	1	Zn	2
Cu	0,2	Mn	0,2		

Order code	Package	Units/Box st.
176168.1211	1000 ml	6

Buffer Solution pH 10 RV

for complexometry
NC: 3822 00 00 UN: 1719
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:
C N
R: 34-51 S: 26-36/37/39-45-61
1l~0,977kg 1kg~1,024l
Composition:
Ammonium Chloride....6,75 g
Ammonia 30%....35 ml
Water s.q.m....100 ml

Order code	Package	Units/Box st.
281730.1208	100 ml	6
281730.1209	250 ml	6
281730.1211	1000 ml	6

BUFFERS FOR CALIBRATION OF pH-METERS

Buffers, capsules

pH Buffer 4,01 ±0,02 (25°C) (capsules) STc

NC: 3822 00 00

SPECIFICATIONS:

pH VALUES DEPENDING ON TEMPERATURE

T (°C)	pH
10	4,00
15	4,01
20	4,01
25	4,01
30	4,01
35	4,02
40	4,03
50	4,06
60	4,08

Order code	Package	Units/Box st.
293164.1224	25 Capsules	6

pH Buffer 7,00 ±0,02 (25°C) (capsules) STc

NC: 3822 00 00

SPECIFICATIONS:

pH VALUES DEPENDING ON TEMPERATURE

T (°C)	pH
10	7,07
15	7,04
20	7,02
25	7,00
30	6,99
35	6,98
40	6,97
50	6,96
60	6,96

Order code	Package	Units/Box st.
293165.1224	25 Capsules	6

pH Buffer 9,00 ±0,02 (25°C) (capsules) STc

NC: 3822 00 00

SPECIFICATIONS:

pH VALUES DEPENDING ON TEMPERATURE

T (°C)	pH
10	9,21
15	9,14
20	9,06
25	9,00
30	8,96
35	8,92
40	8,88
50	8,83
60	8,81

Order code	Package	Units/Box st.
293166.1224	25 Capsules	6

pH Buffer 10,00 ±0,02 (25°C) (capsules) STc

NC: 3822 00 00

HAZARDOUS:

Xi R: 36

SPECIFICATIONS:

pH VALUES DEPENDING ON TEMPERATURE

T (°C)	pH
10	10,18
15	10,14
20	10,06
25	10,00
30	9,95
35	9,91
40	9,85
50	9,78
60	9,75

Order code	Package	Units/Box st.
293167.1224	25 Capsules	6

Buffers, solutions

Buffer Solution pH 1,00 ±0,02 (20°C) ST

NC: 3822 00 00

1l~1,005kg 1kg~0,995l

Composition:

Glycine	0,168 g
Sodium Chloride	0,132 g
Hydrochloric Acid 35%	11 ml
Preservative 1%	5 ml
Water s.q.m	1 l

SPECIFICATIONS:

pH VALUES DEPENDING ON TEMPERATURE

T(°C)	ΔpH
0	-0,04
5	-0,01
10	-0,01
15	-0,01
20	0
25	+0,01
30	+0,01
35	+0,01
40	+0,01
50	+0,01

Order code	Package	Units/Box st.
272580.1209	250 ml	6
272580.1211	1000 ml	6

Buffer Solution pH 2,00 ±0,02 (20°C) ST

NC: 3822 00 00

1l~1,007kg 1kg~0,993l

Composition:

Citric Acid 1 H_2O	6,430 g
Sodium Hydroxide 50% sol. w/w	3,26 ml
Hydrochloric Acid 35%	6,126 ml
Preservative 1%	5 ml
Water s.q.m	1 l

SPECIFICATIONS:

pH VALUES DEPENDING ON TEMPERATURE

T(°C)	ΔpH
0	+0,01
5	+0,01
10	+0,01
15	0
20	0
25	0
30	0
35	0
40	0
50	0

Order code	Package	Units/Box st.
272581.1209	250 ml	6
272581.1211	1000 ml	6

Buffer Solution pH 3,00 ±0,02 (20°C) ST

NC: 3822 00 00

1l~1,005kg 1kg~0,995l

Composition:

Citric Acid 1 H_2O	8,470 g
Sodium Hydroxide 50% sol. w/w	4,3 ml
Hydrochloric Acid 35%	5,269 ml
Preservative 1%	5 ml
Water s.q.m	1 l

SPECIFICATIONS:

pH VALUES DEPENDING ON TEMPERATURE

T(°C)	ΔpH
0	+0,05
5	+0,05
10	+0,03
15	+0,01
20	0
25	0
30	0
35	0
40	-0,02
50	-0,03

Order code	Package	Units/Box st.
272537.1209	250 ml	6
272537.1211	1000 ml	6

PRS-CODEX

Productos que satisfacen las especificaciones definidas por las farmacopeas, indicadas en la etiqueta del producto
Chemicals according to specifications defined by pharmacopoeias, specified on the label
Produits répondant aux spécifications selon pharmacopée indiquée

Buffer Solution pH 4,00 ±0,02 (20°C) ST

NC: 3822 00 00

1l~1,008kg 1kg~0,992l

Composition:

Citric Acid 1 H_2O.....11,768 g
Sodium Hydroxide 50% sol. w/w.....6 ml
Hydrochloric Acid 35% .....3,96 ml
Preservative 1% .....5 ml
Water s.q.m .....1 l

SPECIFICATIONS:

pH VALUES DEPENDING ON TEMPERATURE

T(°C)	ΔpH
0	+0,05
5	+0,04
10	+0,02
15	+0,01
20	0
25	+0,01
30	+0,01
35	+0,01
40	+0,01
50	0

Order code	Package	Units/Box st.
272168.1209	250 ml	6
272168.1211	1000 ml	6
272168.1214	5 l	4
272168.1315	10 l	(*)

Buffer Solution pH 4,00 ±0,02 (20°C) (red colour) ST

NC: 3822 00 00

1l~1,005kg 1kg~0,995l

Composition:

Citric Acid 1 H_2O.....11,768 g
Sodium Hydroxide 50% sol. w/w.....6 ml
Hydrochloric Acid 35% .....3,96 ml
Amaranth.....4 mg/l
Preservative 1% .....5 ml
Water s.q.m .....1 l

SPECIFICATIONS:

pH VALUES DEPENDING ON TEMPERATURE

T(°C)	ΔpH
0	+0,05
5	+0,04
10	+0,02
15	+0,01
20	0
25	+0,01
30	+0,01
35	+0,01
40	+0,01
50	0

Order code	Package	Units/Box st.
273616.0922	12 x 20 ml	6
273616.1209	250 ml	6
273616.1211	1000 ml	6
273616.1315	10 l	(*)

Buffer Solution pH 5,00 ±0,02 (20°C) ST

NC: 3822 00 00

1l~1,015kg 1kg~0,985l

Composition:

Citric Acid 1 H_2O.....20,256 g
Sodium Hydroxide 50% sol. w/w.....10,45 ml
Preservative 1% .....5 ml
Water s.q.m .....1 l

SPECIFICATIONS:

pH VALUES DEPENDING ON TEMPERATURE

T(°C)	ΔpH
0	+0,06
5	+0,05
10	+0,02
15	+0,01
20	0
25	0
30	0
35	0
40	0
50	+0,01

Order code	Package	Units/Box st.
272582.1209	250 ml	6
272582.1211	1000 ml	6

Buffer Solution pH 6,00 ±0,02 (20°C) ST

NC: 3822 00 00

1l~1,010kg 1kg~0,990l

Composition:

Citric Acid 1 H_2O.....12,526 g
Sodium Hydroxide 50% sol. w/w.....8,43 ml
Preservative 1% .....5 ml
Water s.q.m .....1 l

SPECIFICATIONS:

pH VALUES DEPENDING ON TEMPERATURE

T(°C)	ΔpH
0	+0,04
5	+0,02
10	+0,01
15	0
20	0
25	+0,02
30	+0,03
35	+0,03
40	+0,04
50	+0,06

Order code	Package	Units/Box st.
272549.1209	250 ml	6
272549.1211	1000 ml	6

Buffer Solution pH 7,00 ±0,02 (20°C) ST

NC: 3822 00 00

1l~1,006kg 1kg~0,994l

Composition:

Potassium di-Hydrogen Phosphate .....3,522 g
di-Sodium Hydrogen Phosphate 12 H_2O .....14,020 g
Preservative 1% .....5 ml
Water s.q.m .....1 l

SPECIFICATIONS:

pH VALUES DEPENDING ON TEMPERATURE

T(°C)	ΔpH
0	+0,13
5	+0,07
10	+0,05
15	+0,02
20	0
25	-0,02
30	-0,02
35	-0,04
40	-0,05
50	-0,05

Order code	Package	Units/Box st.
272170.1209	250 ml	6
272170.1211	1000 ml	6
272170.1214	5 l	4
272170.1315	10 l	(*)

Buffer Solution pH 7,00 ±0,02 (20°C) (yellow colour) ST

NC: 3822 00 00

1l~1,007kg 1kg~0,993l

Composition:

Potassium di-Hydrogen Phosphate .....3,522 g
di-Sodium Hydrogen Phosphate 12 H_2O .....14,020 g
Tartrazine.....1,5 mg/l
Preservative 1% .....5 ml
Water s.q.m .....1 l

SPECIFICATIONS:

pH VALUES DEPENDING ON TEMPERATURE

T(°C)	ΔpH
0	+0,13
5	+0,07
10	+0,05
15	+0,02
20	0
25	-0,02
30	-0,02
35	-0,04
40	-0,05
50	-0,05

Order code	Package	Units/Box st.
273617.0922	12 x 20 ml	6
273617.1209	250 ml	6
273617.1211	1000 ml	6
273617.1315	10 l	(*)

Químicamente Puro
Chemically Pure
Chimiquement Pur

QP

Productos de pureza controlada para uso general en laboratorio y producción.
Chemicals of controlled purity for general use in laboratory and production.
Produits de qualité controlée pour usage général en laboratoire et en production.

(*) Sol-Pack pack with tap

Buffer Solution pH 7,02 ±0,02 (20°C) ST

NC: 3822 00 00

1l~1,008kg 1kg~0,992l

Composition:

Potassium di-Hydrogen Phosphate ..... 3,522 g
di-Sodium Hydrogen Phosphate 12 H_2O ..... 14,020 g
Preservative 1% ..... 5 ml
Water s.q.m ..... 1 l

SPECIFICATIONS:

pH VALUES DEPENDING ON TEMPERATURE

T(°C)	ΔpH
0	+0,13
5	+0,07
10	+0,05
15	+0,02
20	0
25	-0,02
30	-0,02
35	-0,04
40	-0,05
50	-0,05

Order code	Package	Units/Box st.
273108.1209	250 ml	6
273108.1211	1000 ml	6

Buffer Solution pH 8,00 ±0,02 (20°C) ST

NC: 3822 00 00

1l~1,002kg 1kg~0,998l

Composition:

Boric Acid ..... 6,928 g
Sodium Hydroxide 50% sol. w/w ..... 3 ml
Hydrochloric Acid 35% ..... 3,9 ml
Preservative 1% ..... 5 ml
Water s.q.m ..... 1 l

SPECIFICATIONS:

pH VALUES DEPENDING ON TEMPERATURE

T(°C)	ΔpH
0	+0,15
5	+0,10
10	+0,07
15	+0,04
20	0
25	-0,04
30	-0,06
35	-0,08
40	-0,10
50	-0,15

Order code	Package	Units/Box st.
272583.1209	250 ml	6
272583.1211	1000 ml	6

Buffer Solution pH 9,00 ±0,02 (20°C) ST

NC: 3822 00 00

1l~1,006kg 1kg~0,994l

Composition:

Boric Acid ..... 3,092 g
Potassium Chloride ..... 3,728 g
Sodium Hydroxide 50% sol. w/w ..... 1,10 ml
Preservative 1% ..... 5 ml
Water s.q.m ..... 1 l

SPECIFICATIONS:

pH VALUES DEPENDING ON TEMPERATURE

T(°C)	ΔpH
0	+0,24
5	+0,16
10	+0,11
15	+0,05
20	0
25	-0,05
30	-0,09
35	-0,12
40	-0,15
50	-0,21

Order code	Package	Units/Box st.
272172.1209	250 ml	6
272172.1211	1000 ml	6
272172.1214	5 l	4
272172.1315	10 l	(*)

Buffer Solution pH 9,23 ±0,02 (20°C) ST

NC: 3822 00 00

1l~1,001kg 1kg~0,999l

Composition:

Boric Acid ..... 2,475 g
Sodium Hydroxide pellets ..... 0,825 g
Preservative 1% ..... 5 ml
Water s.q.m ..... 1 l

SPECIFICATIONS:

pH VALUES DEPENDING ON TEMPERATURE

T(°C)	ΔpH
0	+0,24
5	+0,17
10	+0,11
15	+0,05
20	0
25	-0,05
30	-0,09
35	-0,12
40	-0,16
50	-0,21

Order code	Package	Units/Box st.
273107.1209	250 ml	6
273107.1211	1000 ml	6

Buffer Solution pH 10,00 ±0,05 (20°C) ST

NC: 3822 00 00

1l~1,006kg 1kg~0,994l

Composition:

Boric Acid ..... 3,092 g
Potassium Chloride ..... 3,728 g
Sodium Hydroxide 50% sol. w/w ..... 2,34 ml
Preservative 1% ..... 5 ml
Water s.q.m ..... 1 l

SPECIFICATIONS:

pH VALUES DEPENDING ON TEMPERATURE

T(°C)	ΔpH
0	+0,26
5	+0,17
10	+0,11
15	+0,05
20	0
25	-0,06
30	-0,11
35	-0,16
40	-0,18
50	-0,26

Order code	Package	Units/Box st.
272584.1209	250 ml	6
272584.1211	1000 ml	6
272584.1214	5 l	4

Buffer Solution pH 10,00 ±0,05 (20°C) (blue colour) ST

NC: 3822 00 00

1l~1,004kg 1kg~0,996l

Composition:

Boric Acid ..... 3,092 g
Potassium Chloride ..... 3,728 g
Sodium Hydroxide 50% sol. w/w ..... 2,34 ml
Brillant Blue FCF ..... 3 mg/l
Preservative 1% ..... 5 ml
Water s.q.m ..... 1 l

SPECIFICATIONS:

pH VALUES DEPENDING ON TEMPERATURE

T(°C)	ΔpH
0	+0,26
5	+0,17
10	+0,11
15	+0,05
20	0
25	-0,06
30	-0,11
35	-0,16
40	-0,18
50	-0,26

Order code	Package	Units/Box st.
273618.0922	12 x 20 ml	6
273618.1209	250 ml	6
273618.1211	1000 ml	6
273618.1315	10 l	(*)

Reactivos para volumetría
Auxiliary reagents for volumetry
Réactifs pour la volumétrie

RV

Soluciones y reactivos que se utilizan en análisis volumétrico como indicadores y auxiliares.
Solutions and reagents to be used in volumetric analysis as indicators and auxiliaries.
Solutions et réactifs utilisés en analyse volumétrique comme indicateur ou auxiliaire.

(*) Sol-Pack pack with tap

Buffer Solution pH 11,00 ±0,05 (20°C) ST

NC: 3822 00 00

1l~1,006kg 1kg~0,994l

Composition:

Boric Acid ..... 6,209 g
Sodium Hydroxide 50% sol. w/w ..... 5,33 ml
Preservative 1% ..... 5 ml
Water s.q.m ..... 1 l

SPECIFICATIONS:

pH VALUES DEPENDING ON TEMPERATURE

T(°C)	ΔpH
0	+0,45
5	+0,32
10	+0,20
15	+0,10
20	0
25	-0,10
30	-0,19
35	-0,28
40	-0,36
50	-0,52

Order code	Package	Units/Box st.
272585.1209	250 ml	6
272585.1211	1000 ml	6

Buffer Solution pH 12,00 ±0,05 (20°C) ST

NC: 3822 00 00

1l~1,004kg 1kg~0,996l

Composition:

di-Sodium Hydrogen Phosphate 12 H_2O ..... 8,955 g
Sodium Hydroxide 50% sol. w/w ..... 1,19 ml
Preservative 1% ..... 5 ml
Water s.q.m ..... 1 l

SPECIFICATIONS:

pH VALUES DEPENDING ON TEMPERATURE

T(°C)	ΔpH
0	+0,58
5	+0,41
10	+0,26
15	+0,10
20	0
25	-0,12
30	-0,28
35	-0,33
40	-0,46
50	-0,67

Order code	Package	Units/Box st.
272586.1209	250 ml	6
272586.1211	1000 ml	6

Buffer Solution pH 13,00 ±0,05 (20°C) ST

NC: 3822 00 00

1l~1,008kg 1kg~0,992l

Composition:

Potassium Chloride ..... 3,728 g
Sodium Hydroxide 50% sol. w/w ..... 2,51 ml
Preservative 1% ..... 5 ml
Water s.q.m ..... 1 l

SPECIFICATIONS:

pH VALUES DEPENDING ON TEMPERATURE

T(°C)	ΔpH
0	+0,80
5	+0,59
10	+0,37
15	+0,18
20	0
25	-0,17
30	-0,33
35	-0,41
40	-0,59
50	-0,85

Order code	Package	Units/Box st.
272587.1209	250 ml	6
272587.1211	1000 ml	6

Saline Buffers (PBS)

Buffer Solution pH 7,2 DC

for hematology, according to Weise

NC: 3822 00 00

1l~1,001kg 1kg~0,999l

Composition:

Potassium di-Hydrogen Phosphate ..... 40 mg
di-Sodium Hydrogen Phosphate 12-hydrate. ..... 151 mg
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
252164.1210	500 ml	6
252164.1211	1000 ml	6
252164.1212	2,5 l	4

Buffer Solution pH 7,40 ±0,02 (20°C) ST

(Phosphates)(Saline buffer)

NC: 3822 00 00

1l~1,006kg 1kg~0,994l

Composition:

Sodium Chloride ..... 6,92 g
Potassium Chloride ..... 0,2 g
di-Sodium Hydrogen Phosphate anhydrous ..... 1,4 g
Sodium di-Hydrogen Phosphate 1 H_2O ..... 0,225 g
Preservative 1% ..... 5 ml
Water s.q.m ..... 1 l

Order code	Package	Units/Box st.
273301.1209	250 ml	6
273301.1211	1000 ml	6

Buffer Solution pH 7,60 ±0,02 (20°C) ST

(Phosphates)(Saline buffer)

NC: 3822 00 00

1l~1,005kg 1kg~0,995l

Composition:

Sodium Chloride ..... 6,92 g
Potassium Chloride ..... 0,2 g
di-Sodium Hydrogen Phosphate anhydrous ..... 1,4 g
Sodium di-Hydrogen Phosphate 1 H_2O ..... 0,092 g
Preservative 1% ..... 5 ml
Water s.q.m ..... 1 l

Order code	Package	Units/Box st.
273302.1211	1000 ml	6

Butanal

(see n-Butyraldehyde)

Butanedioic Acid

(see Succinic Acid)

Butanedioic Anhydride

(see Succinic Anhydride)

1,3-Butanediol, 99% PS

$C_4H_{10}O_2$

M: 90,12 CAS: 107-88-0 EINECS: 203-529-7 NC: 2905 39 20

1l~1,004kg 1kg~0,996l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,002-1,005
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
15A591.1211	1000 ml	6
15A591.1714	5 l	4

1,4-Butanediol, 99% PS

$C_4H_{10}O_2$

M: 90,12 CAS: 110-63-4 EINECS: 203-786-5 NC: 2905 39 25

HAZARDOUS:

Xn

R: 22 S: 36

1l~1,015kg 1kg~0,984l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,015-1,016
Water (H_2O) ..... 0,3 %

Order code	Package	Units/Box st.
15A597.1211	1000 ml	6
15A597.1212	2,5 l	4

2,3-Butanedione, 98% PS

$C_4H_6O_2$

M: 86,09 CAS: 431-03-8 EINECS: 207-069-8 NC: 2914 19 90 UN: 2346

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn

R: 11-22 S: 9-16-33

1l~0,985kg 1kg~1,015l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,983-0,987

Order code	Package	Units/Box st.
15A617.1608	100 ml	6
15A617.1610	500 ml	6

2,3-Butanedionemonoxime

(see Diacetylmonoxime)

1-Butane Sulphonic Acid Sodium Salt (HPLC) PAI

for ion pair chromatography
$C_4H_9NaO_3S$
M: 160,16 CAS: 2386-54-1 EINECS: 219-201-1 NC: 2904 10 00
SPECIFICATIONS:
Minimum assay (Acidim.) (a.d.s.) ..... 99,0 %
Identity ..... IR p/t.
UV Spectrum 0,005 mol/l solution
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	200	220	250
A (AU)	0,155	0,046	0,009
T (%)	70	90	98

Order code	Package	Units/Box st.
365769.1605	10 g	6

1-Butane Sulphonic Acid Sodium Salt, 98% PS

$C_4H_9NaO_3S$
M: 160,16 CAS: 2386-54-1 EINECS: 219-201-1 NC: 2904 10 00
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
155769.1604	5 g	6
155769.1606	25 g	6

Butanoic Acid

(see n-Butyric Acid)

1-Butanol (UV-IR-HPLC) PAI

$CH_3(CH_2)_3OH$
M: 74,12 CAS: 71-36-3 EINECS: 200-751-6 NC: 2905 13 00 UN: 1120
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
Xn
R: 10-22-37/38-41-67 S: 7/9-13-26-37/39-46
CE: 603-004-00-6
1l~0,810kg 1kg~1,235l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Density at 20/4 0,808-0,810
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0003 %
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,03 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	207 (Cut off)	210	220	230	240	250	270-450
A (AU)	1,000	0,602	0,301	0,125	0,071	0,027	0,009
T (%)	10	25	50	75	85	94	98

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 3,9
Eluotropic value ε°(Al_2O_3) 0,7
Sol. H_2O in solv. at 20°C 20,1
P' + 0,25 E 8,3
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361082.1611	1000 ml	6

SV

Soluciones valoradas
Volumetric solutions
Solutions volumétriques

1-Butanol (Reag. Ph. Eur.) PA-ACS-ISO

$CH_3(CH_2)_3OH$
M: 74,12 CAS: 71-36-3 EINECS: 200-751-6 NC: 2905 13 00 UN: 1120
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
Xn
R: 10-22-37/38-41-67 S: 7/9-13-26-37/39-46 CE: 603-004-00-6
1l~0,810kg 1kg~1,235l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,808-0,810
Boiling range ..... 116-119°C
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,001 %
Acetone (G.C.) ..... 0,01 %
Isobutanol (G.C.) ..... 0,15 %
2-Butanol (G.C.) ..... 0,05 %
Butanal (G.C.) ..... 0,01 %
di-n-Butyl Ether (G.C.) ..... 0,1 %
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,0008 meq/g
Alkalinity ..... 0,0005 meq/g
Carbonyl compounds (as C_3H_7CHO) ..... 0,01 %
Water (H_2O) ..... 0,1 %
Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131082.1611	1000 ml	6
131082.1612	2,5 l	4
131082.1214	5 l	4
131082.0716	25 l	
131082.0718	60 l	

1-Butanol (USP-NF) PRS-CODEX

$CH_3(CH_2)_3OH$
M: 74,12 CAS: 71-36-3 EINECS: 200-751-6 NC: 2905 13 00 UN: 1120
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
Xn
R: 10-22-37/38-41-67 S: 7/9-13-26-37/39-46 CE: 603-004-00-6
1l~0,810kg 1kg~1,235l
SPECIFICATIONS:
Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 25/25 0,807-0,809
Distillation range (117,7°C included) ..... 1,5°C
MAXIMUM LIMIT OF IMPURITIES
Non-volatile matter ..... 0,004 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Acetone (G.C.) ..... 0,02 %
Butanal (G.C.) ..... 0,03 %
di n-Butyl ether (G.C.) ..... 0,2 %
Acidity ..... 0,0008 meq/g
Alkalinity ..... 0,001 meq/g
Aldehydes ..... p/t.
Water (H_2O) ..... 0,1 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %
Complies USP 30 Specifications

Order code	Package	Units/Box st.
141082.1211	1000 ml	6
141082.1212	2,5 l	4
141082.1214	5 l	4
141082.0716	25 l	
141082.0718	60 l	

1-Butanol (F.C.C.) ADITIO

extraction solvent for industrial food use
$CH_3(CH_2)_3OH$
M: 74,12 CAS: 71-36-3 EINECS: 200-751-6 NC: 2905 13 00 UN: 1120
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
Xn
R: 10-22-37/38-41-67 S: 7/9-13-26-37/39-46 CE: 603-004-00-6
1l~0,810kg 1kg~1,235l
SPECIFICATIONS:
Assay (G.C.), not less than ..... 99,5 %
IR ..... p/t.
Refractive index 1,397-1,402
Acidity value, not more than 2,0
Distillation range ..... 1,5°C
di n-Butyl Ether, not more than ..... 0,15 %
Specific gravity 0,807-0,809
Arsenic, not more than ..... 1 ppm
Lead, not more than ..... 1 ppm
Specifications Dir. 88/344/CEE, F.C.C. 6

Order code	Package	Units/Box st.
201082.1214	5 l	4
201082.0716	25 l	

1-Butanol, 99,5% PS

$CH_3(CH_2)_3OH$
M: 74,12 CAS: 71-36-3 EINECS: 200-751-6 NC: 2905 13 00 UN: 1120
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
Xn
R: 10-22-37/38-41-67 S: 7/9-13-26-37/39-46 CE: 603-004-00-6
1l~0,810kg 1kg~1,235l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,808-0,810
Non-volatile matter ..... 0,002 %
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
161082.1211	1000 ml	6
161082.1212	2,5 l	4
161082.1714	5 l	4
161082.0616	25 l	

iso-Butanol

(see Isobutanol)

2-Butanol (Reag. Ph. Eur.) PA

$C_4H_{10}O$
M: 74,12 CAS: 78-92-2 EINECS: 201-158-5 NC: 2905 14 90 UN: 1120
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
Xi
R: 10-36/37-67 S: 7/9-13-24/25-26-46 CE: 603-004-00-6
1l~0,807kg 1kg~1,239l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 20/4 0,805-0,809
Distillation range (>95% dist.) ..... 99-100°C
MAXIMUM LIMIT OF IMPURITIES
Non-volatile matter ..... 0,002 %
2-Methyl-2-Propanol (G.C.) ..... 0,1 %
2-Propanol (G.C.) ..... 0,2 %
Butanone (G.C.) ..... 0,1 %
di-n-Butyl Ether (G.C.) ..... 0,2 %
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,0005 meq/g
Alkalinity ..... 0,0007 meq/g
Carbonyl compounds (as C_3H_7CHO) ..... 0,015 %
Water (H_2O) ..... 0,1 %
Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
123851.1611	1000 ml	6
123851.1612	2,5 l	4

2-Butanol, 99% PS

$C_4H_{10}O$
M: 74,12 CAS: 78-92-2 EINECS: 201-158-5 NC: 2905 14 90 UN: 1120
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
Xi
R: 10-36/37-67 S: 7/9-13-24/25-26-46 CE: 603-004-00-6
1l~0,807kg 1kg~1,239l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,805-0,809
Non-volatile matter ..... 0,002 %
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
163851.1611	1000 ml	6
163851.1612	2,5 l	4
163851.1714	5 l	4
163851.0616	25 l	

tert-Butanol

(see 2-Methyl-2-Propanol)

Butanone (Methylethylketone) (UV-IR-HPLC) PAI

$CH_3COCH_2CH_3$
M: 72,11 CAS: 78-93-3 EINECS: 201-159-0 NC: 2914 12 00 UN: 1193
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xi
R: 11-36-66-67 S: 9-16 CE: 606-002-00-3
1l~0,806kg 1kg~1,241l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,7 %
Density at 20/4 0,804-0,806
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,001 %
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,1 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	329 (Cut off)	330	340	350-450
A (AU)	1,000	0,699	0,097	0,009
T (%)	10	20	80	98

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 4,7
Eluotropic value ε°(Al_2O_3) 0,51
Sol. H_2O in solv.at 20°C 23,4
P' + 0,25 E 9,1
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361429.1611	1000 ml	6
361429.1612	2,5 l	4

VINIKIT
Análisis de vinos
Wine analysis
Analyse des vins

Butanone dry (max. 0,02% water) (Methylethylketone) DS-ACS

$CH_3COCH_2CH_3$

M: 72,11 CAS: 78-93-3 EINECS: 201-159-0 NC: 2914 12 00 UN: 1193
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 9-16 CE: 606-002-00-3**

1l~0,806kg 1kg~1,241l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,804-0,808

MAXIMUM LIMIT OF IMPURITIES

APHA colour 15
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,0025 %
Acetone (G.C.) ..... 0,05 %
2-Butanol (G.C.) ..... 0,05 %
Mesityl oxide (G.C.) ..... 0,05 %
2-Methyl-2-Propanol (G.C.) ..... 0,1 %
2-Propanol (G.C.) ..... 0,05 %
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,02 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,1
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
481429.1611	1000 ml	6

Butanone (Methylethylketone) (Reag. USP, Ph. Eur.) PA-ACS

$CH_3COCH_2CH_3$

M: 72,11 CAS: 78-93-3 EINECS: 201-159-0 NC: 2914 12 00 UN: 1193
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 9-16 CE: 606-002-00-3**

1l~0,806kg 1kg~1,241l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/20 0,801-0,803
Boiling range ..... 79,0-81,0°C

MAXIMUM LIMIT OF IMPURITIES

APHA colour 15
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,0025 %
Acetone (G.C.) ..... 0,05 %
2-Butanol (G.C.) ..... 0,05 %
Mesityl oxide (G.C.) ..... 0,05 %
2-Methyl-2-Propanol (G.C.) ..... 0,1 %
2-Propanol (G.C.) ..... 0,05 %
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,20 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,1
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131429.1611	1000 ml	6
131429.1612	2,5 l	4
131429.1214	5 l	4
131429.0716	25 l	
131429.0719	200 l	

Butanone (Methylethylketone) PRS

$CH_3COCH_2CH_3$

M: 72,11 CAS: 78-93-3 EINECS: 201-159-0 NC: 2914 12 00 UN: 1193
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 9-16 CE: 606-002-00-3**

1l~0,806kg 1kg~1,241l

SPECIFICATIONS:

Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,804-0,808
Non-volatile matter ..... 0,01 %
Acetone (G.C.) ..... 0,1 %
2-Butanol (G.C.) ..... 0,1 %
2-Methyl-2-propanol (G.C.) ..... 0,2 %
Acidity ..... 0,0015 meq/g
Water (H_2O) ..... 0,3 %
Cu ..... 0,00002 %
Fe ..... 0,00002 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141429.1211	1000 ml	6
141429.1212	2,5 l	4
141429.1214	5 l	4
141429.0716	25 l	
141429.0718	60 l	

Butanone (Methylethylketone) (F.C.C.) ADITIO

extraction solvent for industrial food use

$CH_3COCH_2CH_3$

M: 72,11 CAS: 78-93-3 EINECS: 201-159-0 NC: 2914 12 00 UN: 1193
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 9-16 CE: 606-002-00-3**

1l~0,806kg 1kg~1,241l

SPECIFICATIONS:

Assay (C_4H_8O), not less than ..... 99,5 %
IR ..... p/t.
Refractive index 1,375-1,384
Acidity value, not more than 2,0
Distillation range ..... 1,5°C
Specific gravity 0,801-0,803
Water, not more than ..... 0,2 %
n-Hexane, not more than ..... 50 ppm
Arsenic, not more than ..... 1 ppm
Lead, not more than ..... 1 ppm
Specifications Dir. 88/344/CEE, 92/115/CEE, F.C.C. 6

Order code	Package	Units/Box st.
201429.1214	5 l	4
201429.0716	25 l	

Butanone, 99,5% (Methylethylketone) PS

$CH_3COCH_2CH_3$

M: 72,11 CAS: 78-93-3 EINECS: 201-159-0 NC: 2914 12 00 UN: 1193
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 9-16 CE: 606-002-00-3**

1l~0,806kg 1kg~1,241l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,804-0,808
Non-volatile matter ..... 0,002 %
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
161429.1211	1000 ml	6
161429.1212	2,5 l	4
161429.1714	5 l	4
161429.0616	25 l	

Butanoyl Chloride

(see Butyryl Chloride)

trans-Butenedioic Acid

(see Fumaric Acid)

cis-Butenedioic Anhydride

(see Maleic Anhydride)

2-Butenedioyl Dichloride

(see Fumaryl Chloride)

1-Butoxybutane

(see Di-n-Butyl Ether)

tert-Butoxycarbonyl

(see Boc derivatives)

(R) tert-Butoxycarbonylamino-(2,4,6-Trimethylphenyl)-Acetic Acid

(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

(S) tert-Butoxycarbonylamino-(2,4,6-Trimethylphenyl)-Acetic Acid

(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

2-(tert-Butoxycarbonyloxyimino)-2-Phenylacetonitrile

(see Boc- ON)

2-Butoxyethanol

(see Ethylene Glycol mono-Butyl Ether)

2-(2-Butoxyethoxy) Ethanol

(see Diethylene Glycol mono-Butyl Ether)

[2-(2-Butoxyethoxy) Ethyl] Acetate

(see Diethylene Glycol mono-Butyl Ether Acetate)

n-Butyl Acetate (VLSI) EG

$CH_3COOC_4H_9$

M: 116,16 CAS: 123-86-4 EINECS: 204-658-1 NC: 2915 33 00 UN: 1123
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
R: 10-66-67 S: 25 CE: 607-025-00-1
1l~0,883kg 1kg~1,133l
SPECIFICATIONS:

Minimum assay	95 %
Density at 20/4	0,880-0,882

MAXIMUM LIMIT OF IMPURITIES

APHA colour	10
Non-volatile matter	0,0005 %
Acidity	0,01 %
Water (H_2O)	0,05 %
0,5 µm particles	250 /ml

Metals by ICP [µg/Kg (ppb)]

Ag	10	Cr	10	Ni	10
Al	50	Cu	20	Pb	10
As	10	Fe	50	Sb	10
Au	10	Ga	10	Sn	10
B	10	K	20	Sr	10
Ba	10	Li	10	Ta	10
Bi	10	Mg	20	Ti	10
Ca	50	Mn	10	Tl	10
Cd	10	Mo	10	V	10
Co	10	Na	100	Zn	20

Order code	Package	Units/Box st.
871202.1212	2,5 l	4

n-Butyl Acetate (Reag. USP, Ph. Eur.) PA-ACS

$CH_3COOC_4H_9$

M: 116,16 CAS: 123-86-4 EINECS: 204-658-1 NC: 2915 33 00 UN: 1123
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
R: 10-66-67 S: 25 CE: 607-025-00-1
1l~0,883kg 1kg~1,133l
SPECIFICATIONS:

Minimum assay (G.C.)	99,5 %
Identity	IR p/t.
Density at 20/4	0,880-0,882
Distillation range (>95% dist.)	123-126°C

MAXIMUM LIMIT OF IMPURITIES

APHA colour	10
Non-volatile matter	0,001 %
1-Butanol (G.C.)	0,2 %
Isobutyl Acetate (G.C.)	0,2 %
n-Butyl Formate (G.C.)	0,05 %
n-Butyl Propionate (G.C.)	0,05 %
Darkened substances by H_2SO_4	p/t.
Acidity	0,0016 meq/g
Water (H_2O)	0,1 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Package	Units/Box st.	Order code
131202.1611	1000 ml	6
131202.1612	2,5 l	4
131202.1214	5 l	4

n-Butyl Acetate PRS

$CH_3COOC_4H_9$

M: 116,16 CAS: 123-86-4 EINECS: 204-658-1 NC: 2915 33 00 UN: 1123
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
R: 10-66-67 S: 25 CE: 607-025-00-1
1l~0,883kg 1kg~1,133l
SPECIFICATIONS:

Assay (G.C.)	99 %
Identity	IR p/t.
Density at 20/4	0,880-0,885
Non-volatile matter	0,005 %
1-Butanol (G.C.)	1,0 %
Isobutyl Acetate (G.C.)	0,5 %
Acidity	0,0032 meq/g
Water (H_2O)	0,3 %
Cu	0,00002 %
Fe	0,00005 %
Ni	0,00002 %
Pb	0,00002 %

Order code	Package	Units/Box st.
141202.1611	1000 ml	6
141202.1612	2,5 l	4
141202.1214	5 l	4

n-Butyl Acetate (F.C.C.) ADITIO

$CH_3COOC_4H_9$

M: 116,16 CAS: 123-86-4 EINECS: 204-658-1 NC: 2915 33 00 UN: 1123
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
R: 10-66-67 S: 25 CE: 607-025-00-1
1l~0,883kg 1kg~1,133l
SPECIFICATIONS:

IR	p/t.
Assay ($C_6H_{12}O_2$), not less than	98,0 %
Specific gravity	0,876-0,880
Acidity value, not more than	2,0
Refractive Index n^{20}/D	1,393-1,396
Distillation range	120-128°C
Specifications F.C.C. 6	

Order code	Package	Units/Box st.
201202.1214	5 l	4

n-Butyl Acetate, 99% PS

$CH_3COOC_4H_9$

M: 116,16 CAS: 123-86-4 EINECS: 204-658-1 NC: 2915 33 00 UN: 1123
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
R: 10-66-67 S: 25 CE: 607-025-00-1
1l~0,883kg 1kg~1,133l
SPECIFICATIONS:

Minimum assay (G.C.)	99 %
Identity	IR p/t.
Density at 20/4	0,880-0,882
Non-volatile matter	0,001 %
Acidity (as CH_3COOH)	0,01 %
Water (H_2O)	0,05 %

Order code	Package	Units/Box st.
161202.1211	1000 ml	6
161202.1212	2,5 l	4
161202.1714	5 l	4
161202.0616	25 l	

iso-Butyl Acetate

(see Isobutyl Acetate)

tert-Butyl Acetate, 98% PS

$C_6H_{12}O_2$

M: 116,16 CAS: 540-88-5 EINECS: 208-760-7 NC: 2915 39 80 UN: 1123
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F **R: 11-66 S: 16-23c-25-29-33 CE: 607-026-00-7**
1l~0,862kg 1kg~1,160l
SPECIFICATIONS:

Minimum assay	98 %

Order code	Package	Units/Box st.
15A505.1608	100 ml	6

n-Butyl Alcohol

(see 1-Butanol)

iso-Butyl Alcohol

(see Isobutanol)

sec-Butyl Alcohol

(see 2-Butanol)

tert-Butyl Alcohol
(see 2-Methyl-2-Propanol)

tert-Butylamine, 98% PS
$(CH_3)_3CNH_2$
M: 73,14 CAS: 75-64-9 EINECS: 200-888-1 NC: 2921 19 80 UN: 2734
IMDG: 8/I ADR: 8/I IATA: 8/I PAX: 807 CAO: 809
HAZARDOUS:
F T **R: 11-20-35-25 S: 9-26-16-36/37/39-45**
1l~0,695kg 1kg~1,439l
SPECIFICATIONS:
Assay (G.C.) ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C358.1608	100 ml	6
15C358.1611	1000 ml	6

n-Butyl Bromide
(see 1-Bromobutane)

tert-Butyl Bromide
(see 2-Bromo-2-Methylpropane)

4-tert-Butylcatechol
(see 4-tert-Butylpyrocatechol)

Butyl Cellosolve
(see Ethylene Glycol mono-Butyl Ether)

Butyl Chloride
(see 1-Chlorobutane)

Butyldiglycol
(see Diethylene Glycol mono-Butyl Ether)

tert-Butyldimethylchlorosilane, 98% PS
$C_6H_{15}ClSi$
M: 150,73 CAS: 18162-48-6 EINECS: 242-042-4 NC: 2931 00 95 UN: 2925
IMDG: 4.1/II ADR: 4.1/II IATA: 4.1/II PAX: 415 CAO: 417
HAZARDOUS:
F C **R: 11-34 S: 16-26-36/37/39-45**
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A169.1604	5 g	6
15A169.1606	25 g	6
15A169.1608	100 g	6

1,3-Butyleneglycol
(see 1,3-Butanediol)

1,4-Butyleneglycol
(see 1,4-Butanediol)

Butyl Ether
(see Di-n-Butyl Ether)

Butylglycol
(see Ethylene Glycol mono-Butyl Ether)

tert-BUTYL HYDROPEROXIDE SOLUTIONS

tert-Butyl Hydroperoxide aqueous solution ~70% PS
$C_4H_{10}O_2$
M: 90,12 CAS: 75-91-2 EINECS: 200-915-7 NC: 2909 60 00 UN: 3109
IMDG: 5.2/- ADR: 5.2/- IATA: 5.2/- PAX: 500 CAO: 502
HAZARDOUS:
O C **R: 7-21/22-23-34 S: 3/7-14b-26-27-45**
1l~0,943kg 1kg~1,060l
SPECIFICATIONS:
Minimum assay (Iodom.) ..... 68 %
Density at 20/4 0,940-0,946

Order code	Package	Units/Box st.
15A873.1209	250 ml	6
15A873.1214	5 l	4

tert-Butyl Hydroperoxide solution 3M in isooctane PS
$C_4H_{10}O_2$
M: 90,12 CAS: 75-91-2 EINECS: 200-915-7 NC: 2909 60 00 UN: 3105
IMDG: 5.2/- ADR: 5.2/- IATA: 5.2/- PAX: 500 CAO: 502
HAZARDOUS:
O C **R: 8-10-34-20/21/22-44-52/53 S: 3/7/9-16-26-33-36/37/39-45**
1l~0,74kg 1kg~1,35l
SPECIFICATIONS:
Assay (Iodom.) w/v ..... 27-30 %
Density at 20/4 0,740-0,748

Order code	Package	Units/Box st.
15A872.1609	250 ml	6

Butylhydroxyanisole
(see 2-tert-Butyl-4-Methoxyphenol)

Butylhydroxytoluene
(see 2,6-Di-tert-Butyl-4-Methylphenol)

Butyl Iodide
(see 1-Iodobutane)

sec-Butyl Iodide
(see 2-Iodobutane)

2-tert-Butyl-4-Methoxyphenol (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX
$C_{11}H_{16}O_2$
M: 180,25 CAS: 121-00-6 EINECS: 204-442-7 NC: 2909 50 90
SPECIFICATIONS:
Minimum assay (as $C_{11}H_{16}O_2$) ..... 98,5 %
Identity according to Pharmacopoeias ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in C_2H_6O ..... p/t.
Residue on ignition (as SO_4) ..... 0,01 %
3-tert-Butyl-4-Methoxyphenol ..... 10 %
Hydroquinone ..... p/t.
Organic volatile impurities ..... p/t.
Related substances ..... p/t.
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0003 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
144233.1211	1000 g	6
144233.0914	5 kg	

2-tert-Butyl-4-Methoxyphenol (E-320, F.C.C.) ADITIO
$C_{11}H_{16}O_2$
M: 180,25 CAS: 121-00-6 EINECS: 204-442-7 NC: 2909 50 90
SPECIFICATIONS:
Assay (as $C_{11}H_{16}O_2$), not less than ..... 98,5 %
Assay (as the isomer 2-tert-Butyl-4-Methoxyphenol), not less than 85 %
Melting range ..... 48-63°C
Arsenic (as As), not more than ..... 3 ppm
Lead, not more than ..... 5 ppm
4-Hydroxyanisole, not more than ..... 0,5 %
Residue on ignition, not more than ..... 0,05 %
A 1%; 1 cm; λ228 nm (ethanol) 326-345
A 1%; 1 cm; λ290 nm (ethanol) 190-210
Mercury (Hg), not more than ..... 1 ppm
Phenolic impurities, not more than ..... 0,5 %
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
204233.1214	5 kg	4

tert-Butyl Methyl Ether (UV-IR-HPLC-HPLC preparative) PAI

$C_5H_{12}O$

M: 88,15 CAS: 1634-04-4 EINECS: 216-653-1 NC: 2909 19 00 UN: 2398
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-38 S: 9-16-24**

1l~0,740kg 1kg~1,351l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Density at 20/4 0,739-0,742

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0003 %
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,03 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	208 (Cut off)	210	235	240	255	280-400
A (AU)	1,000	0,699	0,301	0,222	0,071	0,009
T (%)	10	20	50	60	85	98

Fluorescence (as quinine):

λ (nm)	254	365
ppb	2	2

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
363312.1611	1000 ml	6
363312.1612	2,5 l	4

tert-Butyl Methyl Ether (PAR) PAI

$C_5H_{12}O$

M: 88,15 CAS: 1634-04-4 EINECS: 216-653-1 NC: 2909 19 00 UN: 2398
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-38 S: 9-16-24**

1l~0,740kg 1kg~1,351l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,7 %
Identity ..... IR p/t.
Density at 20/4 0,739-0,742

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0005 %
Acidity ..... 0,0005 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,03 %
Signal ECD of pesticide (Lindane to DDT) (as Lindane) ..... 5 ng/l
Signal PND of pesticide (Ethylparathion to Coumaphos)
(as Ethylparathion) ..... 5 ng/l

Order code	Package	Units/Box st.
323312.1611	1000 ml	6
323312.1612	2,5 l	4

tert-Butyl Methyl Ether (Reag. USP, Ph. Eur.) PA-ACS

$C_5H_{12}O$

M: 88,15 CAS: 1634-04-4 EINECS: 216-653-1 NC: 2909 19 00 UN: 2398
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-38 S: 9-16-24**

1l~0,740kg 1kg~1,351l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,8 %
Identity ..... IR p/t.
Density at 20/4 0,739-0,742
Refractive index n 20/D 1,368-1,370

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,001 %
Methanol (G.C.) ..... 0,01 %
2-Methyl-2-Propanol (G.C.) ..... 0,05 %
Acidity ..... 0,0005 meq/g
Alkalinity ..... 0,0002 meq/g
Aldehydes (as HCHO) ..... 0,001 %
Peroxides (as H_2O_2) ..... 0,0001 %*
Water (H_2O) ..... 0,03 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	240	255	280
A (AU)	0,301	0,097	0,009
T (%)	50	80	98

Order code	Package	Units/Box st.
133312.1611	1000 ml	6
133312.1612	2,5 l	4

tert-Butyl Methyl Ether PRS

$C_5H_{12}O$

M: 88,15 CAS: 1634-04-4 EINECS: 216-653-1 NC: 2909 19 00 UN: 2398
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-38 S: 9-16-24**

1l~0,740kg 1kg~1,351l

SPECIFICATIONS:
Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,737-0,742
Non-volatile matter ..... 0,005 %
Acidity ..... 0,002 meq/g
Water (H_2O) ..... 0,3 %
Cu ..... 0,00002 %
Fe ..... 0,00002 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
143312.1611	1000 ml	6
143312.1612	2,5 l	4
143312.0616	25 l	

tert-Butyl Methyl Ether, 99,5% PS

$C_5H_{12}O$

M: 88,15 CAS: 1634-04-4 EINECS: 216-653-1 NC: 2909 19 00 UN: 2398
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-38 S: 9-16-24**

1l~0,740kg 1kg~1,351l

SPECIFICATIONS:
Minimum assay (G.C) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,739-0,742
Non-volatile matter ..... 0,001 %
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
163312.1611	1000 ml	6
163312.1612	2,5 l	4

iso-Butylmethylketone

(see 4-Methyl-2-Pentanone)

n-Butyl Nitrite, 97% stabilized with ~0,5% of sodium carbonate anhydrous PS

$C_4H_9NO_2$

M: 103,12 CAS: 544-16-1 EINECS: 208-862-1 NC: 2920 90 85 UN: 2351
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

T F **R: 11-23/25 S: 16-24-25 CE: 007-016-00-7**
1l~0,88kg 1kg~1,13l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 97 %
Identity ..... IR p/t.
Density at 20/4 0,882-0,885

Order code	Package	Units/Box st.
15A894.1606	25 ml	6
15A894.1608	100 ml	6

iso-Butyl Nitrite

(see Isobutyl Nitrite)

4-tert-Butylpyrocatechol, 99% PS

$C_{10}H_{14}O_2$

M: 166,22 CAS: 98-29-3 EINECS: 202-653-9 NC: 2907 29 00 UN: 2923
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:

C **R: 21-34 S: 26-36/37/39-45**
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 52-55 °C

Order code	Package	Units/Box st.
15A652.1608	100 g	6
15A652.1610	500 g	6

n-Butyraldehyde, 99% PS

$CH_3CH_2CH_2CHO$

M: 72,11 CAS: 123-72-8 EINECS: 204-646-6 NC: 2912 19 10 UN: 1129
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F **R: 11 S: 9-29-33 CE: 605-006-00-2**
1l~0,803kg 1kg~1,245l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,802-0,804

Order code	Package	Units/Box st.
15A835.1611	1000 ml	6

n-Butyric Acid, 99% PS

$C_4H_8O_2$

M: 88,11 CAS: 107-92-6 EINECS: 203-532-3 NC: 2915 60 19 UN: 2820
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:

C **R: 34 S: 26-36-45 CE: 607-135-00-X**
1l~0,957kg 1kg~1,045l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,956-0,958
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
15A689.1611	1000 ml	6
15A689.1612	2,5 l	4
15A689.0716	25 l	

Butyric Acid Chloride

(see Butyryl Chloride)

γ-Butyrolactone, 99% PS

$C_4H_6O_2$

M: 86,09 CAS: 96-48-0 EINECS: 202-509-5 NC: 2932 29 60
HAZARDOUS:

Xn **R: 22-36 S: 26**
1l~1,129kg 1kg~0,886l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,128-1,129

Order code	Package	Units/Box st.
15A581.1214	5 l	4
15A581.0716	25 l	

Butyryl Chloride, 98% PS

C_4H_7ClO

M: 106,55 CAS: 141-75-3 EINECS: 205-498-5 NC: 2915 90 80 UN: 2353
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F C **R: 11-34 S: 16-23a-26-36-45 CE: 607-136-00-5**
1l~0,980kg 1kg~1,020l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,017-1,020

Order code	Package	Units/Box st.
15A742.1609	250 ml	6
15A742.1611	1000 ml	6

Cacodylic Acid Sodium Salt 3-hydrate PB

$C_2H_6AsNaO_2.3H_2O$

M: 214,03 CAS: 124-65-2 EINECS: 204-708-2 NC: 2931 00 95 UN: 1688
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T N **R: 23/25-50/53 S: 20/21-28a-45-60-61 CE: 033-002-00-5**
SPECIFICATIONS:
Minimum assay (Perchl. Ac.) ..... 99 %
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... p/t.
Chloride (Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,005 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,01 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
375301.1606	25 g	6
375301.1608	100 g	6

Cacodylic Acid Sodium Salt 3-hydrate, 98% PS

$C_2H_6AsNaO_2.3H_2O$

M: 214,03 CAS: 124-65-2 EINECS: 204-708-2 NC: 2931 00 95 UN: 1688
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T N **R: 23/25-50/53 S: 20/21-28a-45-60-61 CE: 033-002-00-5**
SPECIFICATIONS:
Minimum assay (Perchl. Ac.) ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
165301.1206	25 g	6
165301.1208	100 g	6

Cadmium metal, sheets PRS

Cd

M: 112,40 CAS: 7440-43-9 EINECS: 231-152-8 NC: 8107 90 00
HAZARDOUS:

T+ N **R: 45-E26-E48/23/25-62-63-E68-50/53 S: 53-45-60-61**
SPECIFICATIONS:
Assay (Compl.) ..... 99 %
Insoluble matter in HNO_3 ..... 0,05 %
Cu ..... 0,01 %
Fe ..... 0,005 %
Ni ..... 0,05 %
Pb ..... 0,05 %
Sn ..... 0,05 %
Zn ..... 0,005 %

Order code	Package	Units/Box st.
141206.1209	250 g	6

Cadmium metal, thick powder (Reag. Ph. Eur.) PA

Cd

M: 112,40 CAS: 7440-43-9 EINECS: 231-152-8 NC: 8107 90 00

HAZARDOUS:

T+ N

R: 45-E26-E48/23/25-62-63-E68-50/53 S: 53-45-60-61

SPECIFICATIONS:

Minimum assay (Compl.) ..... 99,0 %
Cu ..... 0,001 %
Fe ..... 0,01 %
Pb ..... 0,01 %
Zn ..... 0,01 %

Order code	Package	Units/Box st.
125427.1209	250 g	6

CADMIUM SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Cadmium Acetate 2-hydrate (Reag. USP) PA

$Cd(CH_3COO)_2.2H_2O$

M: 266,52 CAS: 5743-04-4 EINECS: 208-853-2 NC: 2915 29 00 UN: 2570

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn N

R: 20/21/22-50/53 S: 60-61 CE: 048-001-00-5

SPECIFICATIONS:

Minimum assay (Compl.) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Non-precipitated substances by H_2S (as SO_4) ..... 0,1 %
Nitrogen compounds (as N) ..... 0,002 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,005 %
Ca ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,0005 %
K ..... 0,002 %
Na ..... 0,002 %
Pb ..... 0,003 %
Zn ..... 0,002 %

Order code	Package	Units/Box st.
121203.1209	250 g	6
121203.1211	1000 g	6
121203.1214	5 kg	4

Cadmium Acetate 2-hydrate PRS

$Cd(CH_3COO)_2.2H_2O$

M: 266,52 CAS: 5743-04-4 EINECS: 208-853-2 NC: 2915 29 00 UN: 2570

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn N

R: 20/21/22-50/53 S: 60-61 CE: 048-001-00-5

SPECIFICATIONS:

Assay (Compl.) ..... 98 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Cu ..... 0,005 %
Fe ..... 0,002 %
Pb ..... 0,005 %
Zn ..... 0,01 %

Order code	Package	Units/Box st.
141203.1209	250 g	6
141203.1211	1000 g	6
141203.1214	5 kg	4

Cadmium Bromide 4-hydrate PRS

$CdBr_2.4H_2O$

M: 344,20 CAS: 13464-92-1 EINECS: 232-165-1 NC: 2827 59 00 UN: 2570

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn N

R: 20/21/22-50/53 S: 60-61 CE: 048-001-00-5

SPECIFICATIONS:

Assay (Compl.) ..... 98 %
Insoluble matter in H_2O ..... 0,01 %
Nitrogen compounds (as N) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
As ..... 0,0001 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Pb ..... 0,01 %
Zn ..... 0,01 %

Order code	Package	Units/Box st.
142004.1209	250 g	6

Cadmium Chloride 2,5-hydrate PA-ACS

$CdCl_2.2,5H_2O$

M: 228,34 CAS: 10108-64-2 EINECS: 233-296-7 NC: 2827 39 85 UN: 2570

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T+ N

R: 45-46-60-61-E25-E26-E48/23/25-50/53 S: 53-45-60-61

CE: 048-008-00-3

SPECIFICATIONS:

Assay (as $CdCl_2$) (Compl.) ..... 79,5-81,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Nitrate and nitrite (as NO_3) ..... 0,003 %
Sulphate (SO_4) ..... 0,005 %
Ammonium (NH_4) ..... 0,005 %
As ..... 0,0001 %
Ca ..... 0,005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,002 %
Na ..... 0,002 %
Pb ..... 0,005 %
Zn ..... 0,005 %

Order code	Package	Units/Box st.
131205.1209	250 g	6
131205.1211	1000 g	6
131205.1214	5 kg	4
131205.0416	25 kg	

Cadmium Chloride 2,5-hydrate PRS

$CdCl_2.2,5H_2O$

M: 228,34 CAS: 10108-64-2 EINECS: 233-296-7 NC: 2827 39 85 UN: 2570

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T+ N

R: 45-46-60-61-E25-E26-E48/23/25-50/53 S: 53-45-60-61

CE: 048-008-00-3

SPECIFICATIONS:

Assay (Compl.) ..... 98-102 %
Insoluble matter in H_2O ..... 0,01 %
Nitrate and nitrite (as NO_3) ..... 0,02 %
Sulphate (SO_4) ..... 0,01 %
Ammonium (NH_4) ..... 0,02 %
As ..... 0,0001 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Pb ..... 0,01 %
Zn ..... 0,05 %

Order code	Package	Units/Box st.
141205.1209	250 g	6
141205.1211	1000 g	6
141205.1214	5 kg	4

Cadmium Iodide PA

CdI_2

M: 366,212 CAS: 7790-80-9 EINECS: 232-223-6 NC: 2827 60 00 UN: 2570

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T N

R: 23/25-33-68-50/53 S: 22-45-60-61 CE: 048-007-00-8

SPECIFICATIONS:

Minimum assay (Compl.) ..... 99,0 %
pH of 5% solution ..... ≥5,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,003 %
Insoluble matter in NH_4OH ..... p/t.
Chloride and bromide (as Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,005 %
Iodate (IO_3) ..... 0,0006 %
Ca ..... 0,005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
K ..... 0,002 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Na ..... 0,002 %
Ni ..... 0,0005 %
Pb ..... 0,002 %
Zn ..... 0,005 %

Order code	Package	Units/Box st.
121209.1209	250 g	6
121209.1211	1000 g	6
121209.1214	5 kg	4

Cadmium Iodide PRS

CdI_2

M: 366,212 CAS: 7790-80-9 EINECS: 232-223-6 NC: 2827 60 00 UN: 2570
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T N **R: 23/25-33-68-50/53 S: 22-45-60-61 CE: 048-007-00-8**

SPECIFICATIONS:

Assay (Compl.)	98-103 %
pH of 5% solution	≥5,0
Insoluble matter in H_2O	0,02 %
Chloride and bromide (as Cl)	0,05 %
Sulphate (SO_4)	0,02 %
Ca	0,01 %
Fe	0,003 %
Zn	0,01 %

Order code	Package	Units/Box st.
141209.1209	250 g P	6
141209.1211	1000 g P	6

Cadmium Nitrate 4-hydrate PA

$Cd(NO_3)_2.4H_2O$

M: 308,49 CAS: 10022-68-1 EINECS: 233-710-6 NC: 2834 29 20 UN: 1477
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

Xn N **R: 20/21/22-50/53 S: 60-61 CE: 048-001-00-5**

SPECIFICATIONS:

Minimum assay (Compl.)	99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O	0,005 %
Chloride (Cl)	0,001 %
Sulphate (SO_4)	0,005 %
Ammonium (NH_4)	0,01 %
Ca	0,005 %
Cu	0,001 %
Fe	0,001 %
K	0,002 %
Na	0,01 %
Pb	0,005 %
Zn	0,005 %

Order code	Package	Units/Box st.
121207.1209	250 g P	6
121207.1211	1000 g P	6

Cadmium Nitrate 4-hydrate PRS

$Cd(NO_3)_2.4H_2O$

M: 308,49 CAS: 10022-68-1 EINECS: 233-710-6 NC: 2834 29 20 UN: 1477
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

Xn N **R: 20/21/22-50/53 S: 60-61 CE: 048-001-00-5**

SPECIFICATIONS:

Assay (Compl.)	98 %
Insoluble matter in H_2O	0,01 %
Chloride (Cl)	0,005 %
Ammonium (NH_4)	0,03 %
Sulphate (SO_4)	0,01 %
Cu	0,003 %
Fe	0,003 %
Pb	0,01 %
Zn	0,01 %

Order code	Package	Units/Box st.
141207.1209	250 g P	6
141207.1211	1000 g P	6

Cadmium Oxide PRS

CdO

M: 128,40 CAS: 1306-19-0 EINECS: 215-146-2 NC: 2825 90 60 UN: 2570
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T+ N **R: 45-E26-E48/23/25-62-63-E68-50/53 S: 53-45-60-61**

CE: 048-002-00-0

SPECIFICATIONS:

Assay (Compl.)	99 %
Chloride (Cl)	0,01 %
Sulphate (SO_4)	0,05 %
Cu	0,005 %
Fe	0,005 %
Ni	0,005 %
Pb	0,005 %

Order code	Package	Units/Box st.
142904.1209	250 g P	6
142904.1211	1000 g P	6
142904.0914	5 kg PP	
142904.0716	25 kg P	

Cadmium Sulphate 8/3-hydrate PA-ACS

$CdSO_4.8/3H_2O$

M: 256,52 CAS: 7790-84-3 EINECS: 233-331-6 NC: 2833 29 20 UN: 2570
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T+ N **R: 45-46-60-61-E25-E26-E48/23/25-53 S: 53-45-60-61**

CE: 048-009-00-9

SPECIFICATIONS:

Assay (Compl.)	99,0-102,0%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O	0,005 %
Chloride (Cl)	0,001 %
Nitrate and nitrite (as NO_3)	0,003 %
As	0,0002 %
Ca	0,005 %
Co	0,0005 %
Cr	0,0005 %
Cu	0,0005 %
Fe	0,0005 %
K	0,002 %
Mg	0,0005 %
Mn	0,0005 %
Na	0,005 %
Ni	0,0005 %
Pb	0,002 %
Zn	0,005 %

Order code	Package	Units/Box st.
131208.1209	250 g P	6
131208.1211	1000 g P	6
131208.1214	5 kg P	4
131208.0416	25 kg PP	

Cadmium Sulphate 8/3-hydrate PRS

$CdSO_4.8/3H_2O$

M: 256,52 CAS: 7790-84-3 EINECS: 233-331-6 NC: 2833 29 20 UN: 2570
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T+ N **R: 45-46-60-61-E25-E26-E48/23/25-53 S: 53-45-60-61**

CE: 048-009-00-9

SPECIFICATIONS:

Assay (Compl.)	98-103 %
Insoluble matter in H_2O	0,01 %
Chloride (Cl)	0,005 %
Nitrate and nitrite (as NO_3)	0,02 %
As	0,0005 %
Ca	0,01 %
Cu	0,005 %
Fe	0,002 %
Pb	0,005 %
Zn	0,05 %

Order code	Package	Units/Box st.
141208.1209	250 g P	6
141208.1211	1000 g P	6
141208.1214	5 kg P	4

Caffeic Acid, 99% PS

$C_9H_8O_4$

M: 180,16 CAS: 331-39-5 EINECS: 206-361-2 NC: 2918 29 80
HAZARDOUS:

Xn **R: 40 S: 36/37**

SPECIFICATIONS:

Assay	99 %
Identity	IR p/t.

Order code	Package	Units/Box st.
15C145.1604	5 g	6
15C145.1606	25 g	6

SV

Soluciones valoradas
Volumetric solutions
Solutions volumétriques

Caffeine anhydrous (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_8H_{10}N_4O_2$

M: 194,19 CAS: 58-08-2 EINECS: 200-362-1 NC: 2939 30 00 UN: 1544
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T

R: 25 S: 45 CE: 613-086-00-5

SPECIFICATIONS:
Assay (Perchl. Ac.) calc. a.d.s 98,5-101,0%
Identity according to Pharmacopoeias ..... p/t.
Melting range (a.d.s.) ..... 235-237,5°C

MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Loss on drying ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,1 %
Darkened substances by H_2SO_4 ..... p/t.
Related substances (HPLC):
Individual impurity ..... 0,10 %
Total impurities ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Chromatographic purity ..... p/t.
Other alkaloids ..... p/t.
Acidity ..... p/t.
Sulphate (SO_4) ..... 0,05 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0003 %
Cu ..... 0,001 %
Fe ..... 0,002 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142833.1609	250 g	6
142833.0914	5 kg	
142833.0416	25 kg	

Calcein PA

for complexometry
$C_{30}H_{26}N_2O_{13}$

M: 622,54 CAS: 1461-15-0 EINECS: 215-957-1 NC: 3204 16 00

SPECIFICATIONS:
Identity ..... IR p/t.
λ of max. ABS. in NaOH 0,002 mol/l ..... 492-500 nm
A 1%, 1cm, λmax ..... >650
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in NaOH ..... p/t.
Loss on drying at 135°C ..... 15 %
Suitability as complexometric indicator ..... p/t.

Order code	Package	Units/Box st.
122053.1603	1 g	6
122053.1604	5 g	6

Calcium, 98% metal, granules PS

Ca

M: 40,08 CAS: 7440-70-2 EINECS: 231-179-5 NC: 2805 12 00 UN: 1401
IMDG: 4.3/II ADR: 4.3/II IATA: 4.3/II PAX: 415 CAO: 417
HAZARDOUS:

F

R: 15 S: 8-24/25-43g CE: 020-001-00-X

SPECIFICATIONS:
Minimum assay (Compl.) ..... 98 %

Order code	Package	Units/Box st.
15A743.1604	5 g	6
15A743.1608	100 g	6

Análisis de vinos
Wine analysis
Analyse des vins

CALCIUM SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Calcium Acetate x-hydrate PA

$Ca(CH_3COO)_2.xH_2O$

M: 158,17(anh) CAS: 62-54-4 EINECS: 200-540-9 NC: 2915 29 00

SPECIFICATIONS:
Minimum assay (Compl.) calc. applied anh. subs ..... 99,0 %
pH of 5% solution 6,5-9,6

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,025 %
Chloride (Cl) ..... 0,05 %
Nitrate (NO_3) ..... 0,002 %
As ..... 0,0003 %
Ba ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,002 %
K ..... 0,05 %
Mg ..... 0,05 %
Na ..... 0,1 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
121211.1210	500 g	6
121211.1211	1000 g	6
121211.0914	5 kg	
121211.0416	25 kg	

Calcium Acetate x-hydrate (USP) PRS-CODEX

$Ca(CH_3COO)_2.xH_2O$

M: 158,17(anh) CAS: 62-54-4 EINECS: 200-540-9 NC: 2915 29 00

SPECIFICATIONS:
Assay (Compl.) calc. a.a.s. 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 6,3-9,6

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,1 %
Easily oxidable substances ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t.
Chloride (Cl) ..... 0,05 %
Fluoride (F) ..... 0,005 %
Phosphate (PO_4) ..... 0,005 %
Nitrate (NO_3) ..... p/t.
Sulphate (SO_4) ..... 0,06 %
Water (H_2O) ..... 7,0 %
Heavy metals (as Pb) ..... 0,002 %
Al ..... 0,001 %
As ..... 0,0002 %
Ba ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,005 %
K ..... 0,05 %
Mg ..... 0,05 %
Na ..... 0,2 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Sr ..... 0,05 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141211.1210	500 g	6
141211.1211	1000 g	6
141211.0914	5 kg	
141211.0416	25 kg	

Calcium Acetate x-hydrate (E-263, F.C.C.) ADITIO

$Ca(CH_3COO)_2.xH_2O$

M: 158,17(anh) CAS: 62-54-4 EINECS: 200-540-9 NC: 2915 29 00

SPECIFICATIONS:
Assay [as $Ca(C_2H_3O_2)_2$] after drying 99,0-100,5%
Loss on drying, not more than ..... 10,5 %
pH of 10% solution 7,0-9,0
Formic acid, formates and other oxidizable impurities
(as formic acid), not more than ..... 0,1 %
Arsenic (as As), not more than ..... 3 ppm
Chloride, not more than ..... 0,05 %
Fluoride, not more than ..... 0,005 %
Lead, not more than ..... 2 ppm
Heavy metals (as Pb), not more than ..... 10 ppm
Sulphate, not more than ..... 0,1 %
Water, not more than ..... 7,0 %
Insoluble in water, not more than ..... 0,3 %
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201211.0914	5 kg	

Calcium Acetate x-hydrate QP

$Ca(CH_3COO)_2.xH_2O$

M: 158,17(anh) CAS: 62-54-4 EINECS: 200-540-9 NC: 2915 29 00

SPECIFICATIONS:

Assay (Compl.) calc. applied anh. subs ..... 99,0 %
pH of 5% solution 7,0-8,0
Chloride (Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,2 %

Order code	Package	Units/Box st.
211211.0914	5 kg PP	
211211.0416	25 kg	

Calcium Bis (di-Hydrogen Phosphate) 1-hydrate PA

$Ca(H_2PO_4)_2.H_2O$

M: 252,07 CAS: 7758-23-8 EINECS: 231-837-1 NC: 2835 26 10

SPECIFICATIONS:

Minimum assay (Compl.) ..... 99 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl ..... 0,01 %
Nitrogen compounds (as N) ..... 0,02 %
Chloride (Cl) ..... 0,005 %
As ..... 0,0002 %
Ba ..... 0,01 %
Cu ..... 0,002 %
Fe ..... 0,005 %
Mg ..... 0,2 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
121225.1210	500 g P	6
121225.1211	1000 g P	6

Calcium Bis (di-Hydrogen Phosphate) 1-hydrate PRS

$Ca(H_2PO_4)_2.H_2O$

M: 252,07 CAS: 7758-23-8 EINECS: 231-837-1 NC: 2835 26 10

SPECIFICATIONS:

Assay (Compl.) ..... 98 %
Heavy metals (as Pb) ..... 0,003 %
As ..... 0,0002 %
Cu ..... 0,003 %
Ni ..... 0,003 %
Pb ..... 0,003 %

Order code	Package	Units/Box st.
141225.1210	500 g P	6
141225.1211	1000 g P	6
141225.1214	5 kg P	4
141225.0416	25 kg PP	

Calcium Bis (di-Hydrogen Phosphate) 1-hydrate (E-341i, F.C.C.) ADITIO

$Ca(H_2PO_4)_2.H_2O$

M: 252,07 CAS: 7758-23-8 EINECS: 231-837-1 NC: 2835 26 10

SPECIFICATIONS:

Assay (as Ca) ..... 15,9-17,7 %
Assay ..... not less than 95 % on anhydrous substance
P_2O_5 content ..... 55,5-61,1 % on anhydrous substance
CaO content ..... 22,26-24,8 %
Arsenic (as As), not more than ..... 3 ppm
Loss on drying, not more than ..... 1 %
Loss on ignition, not more than ..... 25,0 %
Fluoride, not more than ..... 0,003 %
Lead, not more than ..... 2 ppm
Mercury (Hg), not more than ..... 1 ppm
Cadmium, not more than ..... 1 ppm
Specifications Dir. 2002/82/CE, F.C.C. 6

Order code	Package	Units/Box st.
201225.1214	5 kg P	4
201225.0416	25 kg PP	

Calcium Carbonate precipitated, low content of alkalis PA-ACS-ISO

$CaCO_3$

M: 100,09 CAS: 471-34-1 EINECS: 207-439-9 NC: 2836 50 00

SPECIFICATIONS:

Minimum assay (Compl.) a.d.s ..... 99,5 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl ..... 0,005 %
Chloride (Cl) ..... 0,001 %
Fluoride (F) ..... 0,0015 %
Phosphate (PO_4) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
Ammonium (NH_4) ..... 0,003 %
Heavy metals (as Pb) ..... 0,001 %
Ba ..... 0,01 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
K ..... 0,005 %
Mg ..... 0,01 %
Mn ..... 0,0005 %
Na ..... 0,01 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Sr ..... 0,05 %

Order code	Package	Units/Box st.
132397.1209	250 g P	6

Calcium Carbonate precipitated, low content of alkalis PA

$CaCO_3$

M: 100,09 CAS: 471-34-1 EINECS: 207-439-9 NC: 2836 50 00

SPECIFICATIONS:

Minimum assay (Compl.) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl ..... 0,005 %
Chloride (Cl) ..... 0,001 %
Phosphate (PO_4) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
Ammonium (NH_4) ..... 0,03 %
Ba ..... 0,01 %
Cu ..... 0,0005 %
Fe ..... 0,002 %
K ..... 0,02 %
Mg ..... 0,03 %
Mn ..... 0,0005 %
Na ..... 0,05 %
Ni ..... 0,0005 %
Pb ..... 0,001 %
Sr ..... 0,05 %

Order code	Package	Units/Box st.
122397.1210	500 g P	6
122397.1211	1000 g P	6

Calcium Carbonate precipitated, low in iron (0,001%) (E-170i, F.C.C.) ADITIO

$CaCO_3$

M: 100,09 CAS: 471-34-1 EINECS: 207-439-9 NC: 2836 50 00

SPECIFICATIONS:

Assay (as $CaCO_3$) after drying 98,0-100,5%
Acid insoluble substances, not more than ..... 0,2 %
Arsenic (as As), not more than ..... 3 ppm
Fluoride, not more than ..... 0,005 %
Lead, not more than ..... 3 ppm
Loss on drying, not more than ..... 2,0 %
Magnesium and alkali salts, not more than ..... 1 %
Cadmium, not more than ..... 1 ppm
Antimony, Copper, Chromium, Zinc and Barium each one or together, not more than 0,01%
Iron, not more than ..... 0,001 %
Aluminium, not more than ..... 0,002 %
Specifications Dir. 2001/30/CE, F.C.C. 6

Order code	Package	Units/Box st.
204395.1211	1 kg P	6
204395.0416	25 kg PP	

Aquametric

Reactivos de Karl Fischer exentos de piridina
Karl Fischer reagents pyridine free
Réactifs de Karl Fischer sans pyridine

Calcium Carbonate precipitated PA

$CaCO_3$

M: 100,09 CAS: 471-34-1 EINECS: 207-439-9 NC: 2836 50 00

SPECIFICATIONS:

Minimum assay (Compl.) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl ..... 0,005 %
Chloride (Cl) ..... 0,001 %
Phosphate (PO_4) ..... 0,005 %
Sulphate (SO_4) ..... 0,02 %
Ammonium (NH_4) ..... 0,01 %
Ba ..... 0,01 %
Cu ..... 0,0005 %
Fe ..... 0,002 %
K ..... 0,02 %
Mg ..... 0,05 %
Mn ..... 0,0005 %
Na ..... 0,25 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Sr ..... 0,05 %

Order code	Package	Units/Box st.
121212.1210	500 g P	6
121212.1211	1000 g P	6
121212.0914	5 kg PP	
121212.0416	25 kg PP	

Calcium Carbonate precipitated (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$CaCO_3$

M: 100,09 CAS: 471-34-1 EINECS: 207-439-9 NC: 2836 50 00

SPECIFICATIONS:

Assay (Compl.)calc. a.d.s 98,5-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in acid ..... 0,2 %
Loss on drying at 200°C ..... 2,0 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Chloride (Cl) ..... 0,033 %
Fluoride (F) ..... 0,005 %
Sulphate (SO_4) ..... 0,25 %
Magnesium and alkali salts ..... 1,0 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0003 %
Ba ..... p/t.
Fe ..... 0,02 %
Hg ..... 0,00005 %
Pb ..... 0,0003 %

Complies USP 29 specifications

Order code	Package	Units/Box st.
141212.1210	500 g P	6
141212.1211	1000 g P	6
141212.0914	5 kg PP	
141212.0416	25 kg PP	

Calcium Carbonate precipitated (E-170i, F.C.C.) ADITIO

$CaCO_3$

M: 100,09 CAS: 471-34-1 EINECS: 207-439-9 NC: 2836 50 00

SPECIFICATIONS:

Assay (as $CaCO_3$) after drying 98,0-100,5%
Acid insoluble substances, not more than ..... 0,2 %
Arsenic (as As), not more than ..... 3 ppm
Fluoride, not more than ..... 0,005 %
Lead, not more than ..... 3 ppm
Loss on drying, not more than ..... 2,0 %
Magnesium and alkali salts, not more than ..... 1,0 %
Cadmium, not more than ..... 1 ppm
Antimony, Copper, Chromium, Zinc and Barium each one or together, not more than ..... 0,01 %
Specifications Dir. 2001/30/CE, F.C.C. 6

Order code	Package	Units/Box st.
201212.0914	5 kg PP	
201212.0416	25 kg PP	

Calcium Carbonate precipitated QP

$CaCO_3$

M: 100,09 CAS: 471-34-1 EINECS: 207-439-9 NC: 2836 50 00

SPECIFICATIONS:

Assay (Compl.) ..... 98 %
Chloride (Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,1 %
Fe ..... 0,05 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
211212.0914	5 kg PP	
211212.0416	25 kg PP	

Calcium Chloride anhydrous QP

$CaCl_2$

M: 110,99 CAS: 10043-52-4 EINECS: 233-140-8 NC: 2827 20 00

HAZARDOUS:

Xi **R: 36 S: 22-24 CE: 017-013-00-2**

SPECIFICATIONS:

Assay (as $CaCl_2$)(Compl.) calc. a.a.s. ..... 95 %

Order code	Package	Units/Box st.
211221.1210	500 g P	6
211221.1211	1000 g P	6
211221.1214	5 kg PP	
211221.0416	25 kg PP	

Calcium Chloride 2-hydrate flakes (E-509, F.C.C.) ADITIO

$CaCl_2.2H_2O$

M: 147,02 CAS: 10035-04-8 EINECS: 233-140-8 NC: 2827 20 00

HAZARDOUS:

Xi **R: 36 S: 22-24 CE: 017-013-00-2**

SPECIFICATIONS:

Assay (as $CaCl_2.2H_2O$) 99,0-107,0%
Arsenic (as As), not more than ..... 3 ppm
Fluoride, not more than ..... 0,004 %
Lead, not more than ..... 5 ppm
Magnesium and alkali salts, not more than ..... 4,0 %
Mercury, not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
204954.0914	5 kg PP	
204954.0416	25 kg PP	

Calcium Chloride 2-hydrate powder PA-ACS

$CaCl_2.2H_2O$

M: 147,02 CAS: 10035-04-8 EINECS: 233-140-8 NC: 2827 20 00

HAZARDOUS:

Xi **R: 36 S: 22-24 CE: 017-013-00-2**

SPECIFICATIONS:

Assay (Compl.) 99,0-105,0%
pH of 5% solution 4,5-8,5

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Oxidizing substances (as NO_3) ..... 0,003 %
Phosphate (PO_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,01 %
Ammonium (NH_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0001 %

Metals by ICP [mg/Kg (ppm)]

Al	10	Fe	10	Ni	5
Ba	50	K	100	Pb	5
Bi	5	Li	5	Sr	100
Cd	5	Mg	50	Tl	5
Co	5	Mn	5	Zn	10
Cr	5	Mo	5		
Cu	5	Na	200		

Order code	Package	Units/Box st.
131232.1210	500 g P	6
131232.1211	1000 g P	6
131232.1214	5 kg P	4
131232.0416	25 kg PP	

Calcium Chloride 2-hydrate powder PRS

$CaCl_2.2H_2O$

M: 147,02 CAS: 10035-04-8 EINECS: 233-140-8 NC: 2827 20 00

HAZARDOUS:

Xi **R: 36 S: 22-24 CE: 017-013-00-2**

SPECIFICATIONS:

Assay (Compl.) ..... 99-105 %
Insoluble matter in H_2O ..... 0,05 %
Acidity (as HCl) ..... 0,005 %
Phosphate (PO_4) ..... 0,005 %
Sulphate (SO_4) ..... 0,05 %
Ammonium (NH_4) ..... 0,01 %
As ..... 0,0001 %
Cu ..... 0,002 %
Fe ..... 0,005 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141232.1210	500 g P	6
141232.1211	1000 g P	6
141232.1214	5 kg P	4
141232.0416	25 kg	

Calcium Chloride 2-hydrate powder (RFE, USP, BP, Ph. Eur.) CODEX

$CaCl_2.2H_2O$

M: 147,02 CAS: 10035-04-8 EINECS: 233-140-8 NC: 2827 20 00

HAZARDOUS:

Xi **R: 36 S: 22-24 CE: 017-013-00-2**

SPECIFICATIONS:

Assay (as $CaCl_2.2H_2O$) (Compl.) 99,0-103,0%
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 4,5-9,2

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Acidity or alkalinity ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t.
Sulphate (SO_4) ..... 0,03 %
Iron, Aluminium and Phosphate ..... p/t.
Magnesium and alkali salts ..... 0,5 %
Heavy metals (as Pb) ..... 0,001 %
Al ..... 0,0001 %
Ba ..... p/t.
Fe ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
191232.1211	1000 g P	6
191232.1214	5 kg P	4
191232.0416	25 kg PP	

Calcium Chloride 2-hydrate powder (E-509, F.C.C.) ADITIO

$CaCl_2.2H_2O$

M: 147,02 CAS: 10035-04-8 EINECS: 233-140-8 NC: 2827 20 00

HAZARDOUS:

Xi **R: 36 S: 22-24 CE: 017-013-00-2**

SPECIFICATIONS:

Assay (as $CaCl_2.2H_2O$) 99,0-107,0%
Arsenic (as As), not more than ..... 3 ppm
Fluoride, not more than ..... 0,004 %
Lead, not more than ..... 5 ppm
Magnesium and alkali salts, not more than ..... 4,0 %
Mercury, not more than ..... 1 ppm
Specifications Dir. 2008/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
201232.1214	5 kg P	4
201232.0416	25 kg	

Calcium Chloride 6-hydrate PA

"Seasonal product. Request for availability."

$CaCl_2.6H_2O$

M: 219,09 CAS: 7774-34-7 EINECS: 233-140-8 NC: 2827 20 00

HAZARDOUS:

Xi **R: 36 S: 22-24 CE: 017-013-00-2**

SPECIFICATIONS:

Minimum assay (Compl.) ..... 98,0 %
pH of 5% solution 4,5-8,5

MAXIMUM LIMIT OF IMPURITIES

Insol. matter in H_2O and precip. by NH_4OH ..... 0,01 %
Oxidizing substances (as NO_3) ..... 0,003 %
Phosphate (PO_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,01 %
Ammonium (NH_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0001 %
Ba ..... 0,005 %
Cu ..... 0,0005 %
Fe ..... 0,0025 %
Mg ..... 0,005 %
Mn ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Sr ..... 0,01 %
Zn ..... 0,001 %

Order code	Package	Units/Box st.
121214.1211	1000 g P	6
121214.1214	5 kg P	4
121214.0416	25 kg PP	

Calcium Chloride 6-hydrate PRS

"Seasonal product. Request for availability."

$CaCl_2.6H_2O$

M: 219,09 CAS: 7774-34-7 EINECS: 233-140-8 NC: 2827 20 00

HAZARDOUS:

Xi **R: 36 S: 22-24 CE: 017-013-00-2**

SPECIFICATIONS:

Assay (Compl.) ..... 98 %
Insoluble matter in H_2O and precipit. by NH_4OH ..... 0,025 %
Acidity (as HCl) ..... 0,025 %
Alkalinity [as $Ca(OH)_2$] ..... 0,03 %
Phosphate (PO_4) ..... 0,003 %
Sulphate (SO_4) ..... 0,05 %
Ammonium (NH_4) ..... 0,01 %
As ..... 0,0001 %
Cu ..... 0,002 %
Fe ..... 0,005 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141214.1211	1000 g P	6
141214.1214	5 kg P	4
141214.0416	25 kg PP	

Calcium Chloride 6-hydrate (E-509) ADITIO

"Seasonal product. Request for availability."

$CaCl_2.6H_2O$

M: 219,09 CAS: 7774-34-7 EINECS: 233-140-8 NC: 2827 20 00

HAZARDOUS:

Xi **R: 36 S: 22-24 CE: 017-013-00-2**

SPECIFICATIONS:

Assay (as $CaCl_2.6H_2O$) 98,0-102,0%
Arsenic (as As), not more than ..... 3 ppm
Fluoride, not more than ..... 0,004 %
Lead, not more than ..... 10 ppm
Magnesium and alkali salts, not more than ..... 1,0 %
Mercury, not more than ..... 1 ppm
Specifications Dir. 2008/84/EC

Order code	Package	Units/Box st.
201214.1214	5 kg P	4
201214.0416	25 kg PP	

Calcium Chloride solution 45% w/w (as $CaCl_2.2H_2O$) (F.C.C.) ADITIO

$CaCl_2.2H_2O$

M: 147,02 CAS: 10035-04-8 EINECS: 233-140-8 NC: 2827 20 00

HAZARDOUS:

Xi **R: 36 S: 22-24**

1l~1,32kg 1kg~0,75l

SPECIFICATIONS:

Assay (as $CaCl_2.2H_2O$) ..... 45 %
Assay (as $CaCl_2$) ..... 34 %
Fluoride (on dry basis), not more than ..... 0,004 %
Lead (on dry basis), not more than ..... 4 ppm
Magnesium and alkali salts (on dry basis) not more than ..... 5,0 %
Alkalinity [as $Ca(OH)_2$] (on dry basis), not more than ..... 0,3 %
Specifications F.C.C. 6

Order code	Package	Units/Box st.
202824.0716	25 l P	

Calcium Citrate

(see tri-Calcium di-Citrate 4-hydrate)

tri-Calcium di-Citrate 4-hydrate PA

$Ca_3(C_6H_5O_7)_2.4H_2O$

M: 570,51 CAS: 5785-44-4 EINECS: 212-391-7 NC: 2918 15 00

SPECIFICATIONS:

Minimum assay (Compl.) ..... 98-102 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl ..... 0,05 %
Loss on drying at 150°C ..... 10,0-13,3 %
Chloride (Cl) ..... 0,003 %
Sulphate (SO_4) ..... 0,02 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0003 %
Cu ..... 0,001 %
Fe ..... 0,005 %
Mg ..... 0,05 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
121213.1210	500 g P	6
121213.1211	1000 g P	6
121213.0914	5 kg PP	

tri-Calcium di-Citrate 4-hydrate (E-333iii, F.C.C.) ADITIO

$Ca_3(C_6H_5O_7)_2.4H_2O$

M: 570,51 CAS: 5785-44-4 EINECS: 212-391-7 NC: 2918 15 00

SPECIFICATIONS:

Assay (as $C_{12}H_{10}Ca_3O_{14}$) after drying....97,5-100,5%
Fluoride, not more than ....0,003 %
Oxalate (as oxalic acid) a.a.s, not more than ....0,01 %
Carbonate....p/t.
Loss on drying....10,0-14,0 %
Lead, not more than ....1 ppm
Heavy metals (as Pb), not more than ....5 ppm
Arsenic (as As), not more than ....1 ppm
Mercury (Hg), not more than ....1 ppm
Specifications Dir. 2008/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
201213.0914	5 kg PP	
201213.0416	25 kg	

Calcium Formate PRS

$Ca(HCOO)_2$

M: 130,12 CAS: 544-17-2 EINECS: 208-863-7 NC: 2915 12 00

HAZARDOUS:

Xi R: 36 S: 26

SPECIFICATIONS:

Assay (Compl.) ....98 %
Insoluble matter in H_2O....0,05 %
Acidity (as HCOOH)....0,1 %
Chloride (Cl)....0,01 %
Phosphate (PO_4) ....0,01 %
Oxalate (C_2O_4) ....p/t.
Cu ....0,002 %
Fe....0,002 %
Ni ....0,002 %
Pb ....0,002 %

Order code	Package	Units/Box st.
141224.1211	1000 g P	6

Calcium D-Gluconate 1-hydrate (E-578, F.C.C.) ADITIO

$C_{12}H_{22}CaO_{14}.H_2O$

M: 448,4 CAS: 18016-24-5 EINECS: 206-075-8 NC: 2918 16 00

SPECIFICATIONS:

Assay ($C_{12}H_{22}CaO_{14}.H_2O$) 98,0-102,0%
pH of 5% solution 6,0-8,0
Loss on drying, not more than ....2,0 %
Sucrose and reducing sugars (as dextrose), not more than ....1,0 %
Lead, not more than ....2 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
203290.1211	1 kg P	6
203290.1214	5 kg PP	
203290.0416	25 kg PP	

Calcium Hydrogen Phosphate anhydrous PA

$CaHPO_4$

M: 136,06 CAS: 7757-93-9 EINECS: 231-826-1 NC: 2835 25 10

SPECIFICATIONS:

Minimum assay (Compl.)....99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl....0,025 %
Nitrogen compounds (as N) ....0,02 %
Chloride (Cl)....0,005 %
As ....0,0002 %
Ba ....0,01 %
Cu ....0,001 %
Fe....0,005 %
Mg ....0,2 %
Ni ....0,001 %
Pb ....0,001 %

Order code	Package	Units/Box st.
121227.1210	500 g P	6

Calcium Hydrogen Phosphate anhydrous (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$CaHPO_4$

M: 136,06 CAS: 7757-93-9 EINECS: 231-826-1 NC: 2835 25 10

SPECIFICATIONS:

Assay (as $CaHPO_4$)(Compl.)....98,0-101,0%
Identity according to Pharmacopoeias ....p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl....0,2 %
Residual solvents (Ph.Eur./USP)....p/t.
Loss on ignition ....6,6-8,5 %
Loss on drying at 150°C....2,0 %
Carbonate....p/t.
mono and tri-Calcium phosphate....p/t.
Chloride (Cl)....0,033 %
Fluoride (F)....0,005 %
Sulphate (SO_4) ....0,5 %
Heavy metals (as Pb)....0,003 %
As ....0,0003 %
Ba ....p/t.
Fe....0,04 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141227.1211	1000 g P	6
141227.0914	5 kg PP	

Calcium Hydrogen Phosphate anhydrous (E-341ii, F.C.C.) ADITIO

$CaHPO_4$

M: 136,06 CAS: 7757-93-9 EINECS: 231-826-1 NC: 2835 25 10

SPECIFICATIONS:

Assay (as $CaHPO_4$) a.d.s ....98-102 %
Arsenic (as As), not more than ....3 ppm
Loss on ignition ....7,0-8,5 %
P_2O_5 content ....50,0-52,5 %
Fluoride, not more than ....0,005 %
Cadmium, not more than ....1 ppm
Lead, not more than ....2 ppm
Mercury (Hg), not more than ....1 ppm
Specifications Dir. 2002/82/EC, F.C.C. 6

Order code	Package	Units/Box st.
201227.0914	5 kg PP	
201227.0416	25 kg PP	

Calcium Hydrogen Phosphate 2-hydrate PA

$CaHPO_4.2H_2O$

M: 172,09 CAS: 7789-77-7 EINECS: 231-826-1 NC: 2835 25 10

SPECIFICATIONS:

Assay (Compl.) 98,0-101,0%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl....0,025 %
Nitrogen compounds (as N) ....0,02 %
Chloride (Cl)....0,005 %
Sulphate (SO_4) ....0,01 %
As ....0,0002 %
Ba ....0,01 %
Cu ....0,001 %
Fe....0,005 %
Mg ....0,2 %
Ni ....0,001 %
Pb ....0,001 %

Order code	Package	Units/Box st.
121226.1210	500 g P	6

Calcium Hydrogen Phosphate 2-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$CaHPO_4.2H_2O$

M: 172,09 CAS: 7789-77-7 EINECS: 231-826-1 NC: 2835 25 10

SPECIFICATIONS:

Assay (Compl.) 98,0-105,0%
Identity according to Pharmacopoeias ....p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl....0,2 %
Loss on ignition ....24,5-26,5 %
Residual solvents (Ph.Eur./USP)....p/t.
Carbonate....p/t.
Chloride (Cl)....0,01 %
Fluoride (F)....0,005 %
mono and tri-Calcium Phosphate ....p/t.
Sulphate (SO_4) ....0,05 %
Heavy metals (as Pb)....0,003 %
As ....0,0003 %
Ba ....p/t.
Cu ....0,002 %
Fe....0,01 %
Ni ....0,002 %
Pb ....0,002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141226.1211	1000 g P	6
141226.0914	5 kg PP	
141226.0416	25 kg PP	

Calcium Hydrogen Phosphate 2-hydrate (E-341ii, F.C.C.) ADITIO

$CaHPO_4.2H_2O$

M: 172,09 CAS: 7789-77-7 EINECS: 231-826-1 NC: 2835 25 10

SPECIFICATIONS:

Assay (as $CaHPO_4$) a.d.s ....98-102 %
Arsenic (as As), not more than .... 3 ppm
Fluoride, not more than ....0,005 %
Loss on ignition ....24,5-26,5 %
P_2O_5 content ....50,0-52,5 %
Cadmium, not more than .... 1 ppm
Lead, not more than .... 2 ppm
Mercury (Hg), not more than .... 1 ppm
Specifications Dir. 2002/82/EC, F.C.C. 6

Order code	Package	Units/Box st.
201226.0914	5 kg	

Calcium Hydroxide, powder (RFE, USP, BP, Ph. Eur., JP) PRS-CODEX

$Ca(OH)_2$

M: 74,09 CAS: 1305-62-0 EINECS: 215-137-3 NC: 2825 90 19

HAZARDOUS:

Xi

R: 38 S: 22-28a

SPECIFICATIONS:

Assay (Compl.) 95,0-100,5%
Identity according to Pharmacopoeias .... p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl .... 0,5 %
Residual solvents (Ph.Eur./USP) .... p/t.
Carbonate (USP) .... p/t.
Carbonate (as $CaCO_3$) .... 5,0 %
Chloride (Cl) .... 0,033 %
Sulphate (SO_4) .... 0,4 %
Magnesium and alkali salts .... 4,0 %
Heavy metals (as Pb) .... 0,002 %
As .... 0,0003 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142400.1210	500 g	6
142400.1211	1000 g	6
142400.0914	5 kg	
142400.0416	25 kg	

Calcium Hydroxide, powder (E-526, F.C.C.) ADITIO

$Ca(OH)_2$

M: 74,09 CAS: 1305-62-0 EINECS: 215-137-3 NC: 2825 90 19

HAZARDOUS:

Xi

R: 38 S: 22-28a

SPECIFICATIONS:

Assay (as $Ca(OH)_2$), not less than 95,0-100,5%
Acid-Insoluble substances, not more than .... 0,5 %
Arsenic (as As), not more than .... 3 ppm
Carbonate .... p/t.
Fluoride, not more than .... 0,005 %
Lead, not more than .... 2 ppm
Magnesium and alkali salts, not more than .... 1,0 %
Barium, not more than .... 300 ppm
Specifications Dir. 2000/63/CE, F.C.C. 6

Order code	Package	Units/Box st.
202400.0914	5 kg	
202400.0416	25 kg	

Calcium Hydroxide native, powder QP

$Ca(OH)_2$

M: 74,09 CAS: 1305-62-0 EINECS: 215-137-3 NC: 2825 90 19

HAZARDOUS:

Xi

R: 38 S: 22-28a

SPECIFICATIONS:

Assay (Compl.) .... 90 %
Chloride (Cl) .... 0,05 %
Sulphate (SO_4) .... 0,1 %

Order code	Package	Units/Box st.
211229.1210	500 g	6
211229.1211	1000 g	6
211229.0914	5 kg	
211229.0416	25 kg	

Calcium Hydroxide 2 mol/l (suspension) VINIKIT

$Ca(OH)_2$

M: 74,09 CAS: 1305-62-0 EINECS: 215-137-3 NC: 2825 90 19

1l~1,072kg 1kg~0,933l

Composition:
Calcium Hydroxide ....14,8 g
Water s.q.m ....100 ml

Order code	Package	Units/Box st.
625409.1209	250 ml	6

Calcium Indicator, tablets VINIKIT

Reagent in oenology. Indicator for determination of calcium in wines

NC: 3822 00 00

Composition:
Calcein ....1 g
Thymolphthalein ....0,6 g
Potassium Chloride ....100 g
Excipient ....2 g

Order code	Package	Units/Box st.	
625516.16113	27 g	6	(*)

Calcium Lactate 5-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$Ca(CH_3CHOHCOO)_2.5H_2O$

M: 308,30 CAS: 5743-47-5 EINECS: 212-406-7 NC: 2918 11 00

SPECIFICATIONS:

Assay (Compl.) calc. a.a.s. 98,0-101,0%
Identity according to Pharmacopoeias .... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution .... p/t.
Insoluble matter in H_2O .... 0,02 %
Loss on drying at 125°C ....22,0-27,0 %
Acidity or alkalinity .... p/t.
Volatile fatty acids .... p/t.
Residual solvents (Ph.Eur./USP) .... p/t.
Chloride (Cl) .... 0,01 %
Sulphate (SO_4) .... 0,04 %
Magnesium and alkali salts .... 1,0 %
Heavy metals (as Pb) .... 0,0010 %
As .... 0,0002 %
Ba .... p/t.
Cu .... 0,001 %
Fe .... 0,005 %
Ni .... 0,001 %
Pb .... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141230.1210	500 g	6
141230.1211	1000 g	6

Calcium Lactate 5-hydrate (E-327, F.C.C.) ADITIO

$Ca(CH_3CHOHCOO)_2.5H_2O$

M: 308,30 CAS: 5743-47-5 EINECS: 212-406-7 NC: 2918 11 00

SPECIFICATIONS:

Assay ($C_6H_{10}CaO_6$) calc. a.a.s. 98,0-101,0%
Acidity (as lactic acid) a.a.s., not more than .... 0,45 %
Arsenic (as As), not more than .... 3 ppm
Fluoride, not more than .... 0,0015 %
Loss on drying ....22,0-27,0 %
Magnesium and alkali salts, not more than .... 1 %
Volatile fatty acids .... p/t.
Reducing substances .... p/t.
Heavy metals (as Pb), not more than .... 0,001 %
Lead, not more than .... 2 ppm
Mercury (Hg), not more than .... 1 ppm
pH of 5% solution 6,0-8,0
Specifications Dir. 2008/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
201230.0914	5 kg	
201230.0416	25 kg	

Calcium Nitrate 4-hydrate PB

$Ca(NO_3)_2.4H_2O$

M: 236,15 CAS: 13477-34-4 EINECS: 233-332-1 NC: 2834 29 80 UN: 1454

IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

HAZARDOUS:

O Xi

R: 8-36 S: 26

SPECIFICATIONS:

Minimum assay (Compl.) .... 99 %
pH of 1 mol/l solution 5,0-7,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O .... p/t.
UV-Cut off 1M sol. in water ....332 nm
Chloride (Cl) .... 0,002 %
Sulphate (SO_4) .... 0,002 %
As .... 0,00001 %

Metals by ICP [mg/Kg (ppm)]

Ba	5	Fe	5	Na	50
Bi	5	K	50	Ni	5
Cd	5	Li	5	Pb	5
Co	5	Mg	100	Sr	100
Cr	5	Mn	5	Zn	5
Cu	5	Mo	5		

Order code	Package	Units/Box st.
371231.1209	250 g	6
371231.1211	1000 g	6

(*) 1500 tablets of 18 mg

Calcium Nitrate 4-hydrate PA-ACS

$Ca(NO_3)_2.4H_2O$

M: 236,15 CAS: 13477-34-4 EINECS: 233-332-1 NC: 2834 29 80 UN: 1454
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

HAZARDOUS:

O Xi **R: 8-36 S: 26**

SPECIFICATIONS:

Assay (Compl.) ..... 99,0-103,0 %
pH of 5% solution 5,0-7,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,005 %
Nitrite (NO_2) ..... 0,001 %
Sulphate (SO_4) ..... 0,002 %
Ammonium (NH_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,0005 %

Metals by ICP [mg/Kg (ppm)]

Al	10	Cu	5	Na	50
Ba	50	Fe	5	Ni	5
Bi	5	K	50	Pb	5
Cd	5	Mg	100	Sr	100
Co	5	Mn	5	Tl	5
Cr	5	Mo	5	Zn	5

Order code	Package	Units/Box st.
131231.1210	500 g P	6
131231.1211	1000 g P	6
131231.1214	5 kg P	4
131231.0416	25 kg PP	

Calcium Nitrate 4-hydrate PRS

$Ca(NO_3)_2.4H_2O$

M: 236,15 CAS: 13477-34-4 EINECS: 233-332-1 NC: 2834 29 80 UN: 1454
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

HAZARDOUS:

O Xi **R: 8-36 S: 26**

SPECIFICATIONS:

Assay (Compl.) ..... 98 %
Insoluble matter in H_2O ..... 0,01 %
Acidity (as HNO_3) ..... 0,05 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,05 %
Ammonium (NH_4) ..... 0,01 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141231.1210	500 g P	6
141231.1211	1000 g P	6
141231.1214	5 kg P	4
141231.0416	25 kg PP	

Calcium Oxalate 1-hydrate PA

$CaC_2O_4.H_2O$

M: 146,12 CAS: 5794-28-5 EINECS: 209-260-1 NC: 2917 11 00

HAZARDOUS:

Xn **R: 21/22 S: 24/25**

SPECIFICATIONS:

Minimum assay (Perm.) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl ..... 0,02 %
Carbonate ..... p/t.
Chloride (Cl) ..... 0,002 %
Sulphate (SO_4) ..... 0,005 %
Ba ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,003 %
K ..... 0,01 %
Mg ..... 0,002 %
Na ..... 0,1 %
Ni ..... 0,003 %
Pb ..... 0,001 %
Sr ..... 0,2 %

Order code	Package	Units/Box st.
121233.1210	500 g P	6

Calcium Oxalate 1-hydrate PRS

$CaC_2O_4.H_2O$

M: 146,12 CAS: 5794-28-5 EINECS: 209-260-1 NC: 2917 11 00

HAZARDOUS:

Xn **R: 21/22 S: 24/25**

SPECIFICATIONS:

Assay (Perm.) ..... 98 %
Insoluble matter in HCl ..... 0,05 %
Chloride (Cl) ..... 0,01 %
Cu ..... 0,005 %
Fe ..... 0,05 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
141233.1210	500 g P	6

Calcium Oxide natural, pieces QP

CaO

M: 56,08 CAS: 1305-78-8 EINECS: 215-138-9 NC: 2825 90 19 UN: 1910

HAZARDOUS:

C **R: 35 S: 26-37/39**

SPECIFICATIONS:

Assay (Compl.) ..... 90 %
Chloride (Cl) ..... 0,05 %
Cu ..... 0,01 %
Fe ..... 0,1 %
Ni ..... 0,01 %
Pb ..... 0,01 %

Order code	Package	Units/Box st.
211234.1210	500 g P	6
211234.1211	1000 g P	6
211234.0914	5 kg PP	
211234.0416	25 kg PP	

Calcium Phosphate mono-Basic

(see Calcium Bis (di-Hydrogen Phosphate) 1-hydrate)

Calcium Phosphate di-Basic

(see Calcium Hydrogen Phosphate)

Calcium Phosphate tri-Basic

(see tri-Calcium Phosphate)

tri-Calcium Phosphate (RFE, BP, Ph. Eur.) PRS-CODEX

$Ca_3(PO_4)_2$

M: 310,20 CAS: 7758-87-4 EINECS: 231-840-8 NC: 2835 26 10

SPECIFICATIONS:

Assay (Compl.) (as Ca) ..... 35,0-40,0 %
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl ..... 0,2 %
Loss on ignition ..... 8,0 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Chloride (Cl) ..... 0,15 %
Fluoride (F) ..... 0,005 %
Sulphate (SO_4) ..... 0,5 %
Heavy metals (as Pb) ..... 0,003 %
As ..... 0,0003 %
Cu ..... 0,005 %
Fe ..... 0,04 %
Mg ..... 0,6 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
141228.1210	500 g P	6
141228.1211	1000 g P	6
141228.0914	5 kg PP	
141228.0416	25 kg	

tri-Calcium Phosphate (E-341iii, F.C.C.) ADITIO

$Ca_3(PO_4)_2$

M: 310,20 CAS: 7758-87-4 EINECS: 231-840-8 NC: 2835 26 10

SPECIFICATIONS:

Assay (in ignited substance), not less than ..... 90 %
Assay (as Ca) ..... 34,0-40,0 %
P_2O_5 content ..... 38,5-48,0 %
Arsenic (as As), not more than ..... 3 ppm
Loss on ignition, not more than ..... 8 %
Fluoride, not more than ..... 0,005 %
Cadmium, not more than ..... 1 ppm
Lead, not more than ..... 2 ppm
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2002/82/EC, F.C.C. 6

Order code	Package	Units/Box st.
201228.0914	5 kg PP	
201228.0416	25 kg	

Calcium Propionate (E-282, F.C.C.) ADITIO

$Ca(CH_3CH_2COO)_2$

M: 186,22 CAS: 4075-81-4 EINECS: 223-795-8 NC: 2915 50 00

SPECIFICATIONS:

Assay (as $C_6H_{10}CaO_4$) calc. on the dried b. 99,0-100,5%
Loss on drying, not more than ..... 4 %
pH of 10% solution 6,0-9,0
Insoluble substances, not more than ..... 0,2 %
Easily oxidable substances ..... p/t.
Arsenic (as As), not more than ..... 3 ppm
Fluoride, not more than ..... 0,001 %
Iron, not more than ..... 30 ppm
Lead, not more than ..... 2 ppm
Heavy metals (as Pb), not more than ..... 10 ppm
Magnesium (as MgO), not more than ..... 0,4 %
Water, not more than ..... 5,0 %
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
203238.0914	5 kg PP	
203238.0416	25 kg	

Calcium Stearate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

$\sim Ca(C_{18}H_{35}O_2)_2$

M: 607,04 CAS: 1592-23-0 EINECS: 216-472-8 NC: 2915 70 30

SPECIFICATIONS:

Assay (as CaO) (Compl.) ..... 9,0-10,5 %
Assay (as Ca) (Compl.) calc. a.d.s. ..... 6,4-7,4 %
Assay, fatty acid fraction (G.C.)
Stearic acid, minimum ..... 40,0 %
Stearic + palmitic acids, minimum ..... 90,0 %
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 4,0 %
Residual solvents (Ph.Eur./USP) ..... p/t
Acidity or alkalinity ..... p/t.
Chloride (Cl) ..... 0,1 %
Sulphate (SO_4) ..... 0,3 %
Heavy metals (as Pb) ..... 0,001 %
Total aerobic microbial count (TAMC) ..... 1000 cfu/g
Total combined yeast and mounds (TYMC) ..... 100 cfu/g
Escherichia coli ..... absence/g
Salmonella ..... absence/10 g
As ..... 0,0003 %
Cd ..... 0,0003 %
Ni ..... 0,0005 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141818.0914	5 kg PP	
141818.0416	25 kg	

Calcium Stearate (E-470a, F.C.C.) ADITIO

$\sim Ca(C_{18}H_{35}O_2)_2$

M: 607,04 CAS: 1592-23-0 EINECS: 216-472-8 NC: 2915 70 30

SPECIFICATIONS:

Assay (as CaO) calc. a.d.s. ..... 9,0-10,5 %
Arsenic (as As), not more than ..... 3 ppm
Loss on drying, not more than ..... 3 %
Unsaponifiable matter, not more than ..... 2 %
Free fatty acids (Stearic acid and/or Oleic acid), not more than ..... 3,0 %
Free alkali (as NaOH), not more than ..... 0,1 %
Heavy metals (as Pb), not more than ..... 10 ppm
Lead, not more than ..... 2 ppm
Mercury, not more than ..... 1 ppm
Cadmium, not more than ..... 1 ppm
Specifications Dir. 2008/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
201818.0914	5 kg PP	
201818.0416	25 kg	

Calcium Stearate QP

$\sim Ca(C_{18}H_{35}O_2)_2$

M: 607,04 CAS: 1592-23-0 EINECS: 216-472-8 NC: 2915 70 30

SPECIFICATIONS:

Assay (as CaO)(Compl.) ..... 9,0-10,5 %
Loss on drying at 105°C ..... 4 %
As ..... 0,0003 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
211818.1211	1000 g P	6
211818.0914	5 kg PP	
211818.0416	25 kg	

Calcium Sulphate 2-hydrate PA-ACS

$CaSO_4.2H_2O$

M: 172,17 CAS: 10101-41-4 EINECS: 231-900-3 NC: 2833 29 90

SPECIFICATIONS:

Assay (Compl.) 98,0-101,0%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl ..... 0,01 %
Carbonate ..... p/t.
Chloride (Cl) ..... 0,002 %
Nitrate (NO_3) ..... 0,002 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00004 %
Cu ..... 0,001 %
Fe ..... 0,001 %
K ..... 0,005 %
Mg ..... 0,02 %
Na ..... 0,02 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Sr ..... 0,05 %

Order code	Package	Units/Box st.
131235.1210	500 g P	6
131235.1211	1000 g P	6
131235.0914	5 kg PP	
131235.0416	25 kg	

Calcium Sulphate 2-hydrate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

$CaSO_4.2H_2O$

M: 172,17 CAS: 10101-41-4 EINECS: 231-900-3 NC: 2833 29 90

SPECIFICATIONS:

Assay calc. a.a.s. (Compl.) 98,0-101,0%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl ..... 0,03 %
Loss on drying at 250°C ..... 19,0-23,0 %
Loss on ignition ..... 18,0-22,0 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Acidity or alkalinity ..... p/t.
Chloride (Cl) ..... 0,03 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Cu ..... 0,002 %
Fe ..... 0,005 %
Ni ..... 0,002 %
Pb ..... 0,002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141235.1210	500 g P	6
141235.1211	1000 g P	6
141235.0914	5 kg PP	
141235.0416	25 kg	

Calcium Sulphate 2-hydrate (E-516, F.C.C.) ADITIO

$CaSO_4.2H_2O$

M: 172,17 CAS: 10101-41-4 EINECS: 231-900-3 NC: 2833 29 90

SPECIFICATIONS:

Assay (as $CaSO_4$) calc. a.d.s., not less than ..... 99,0 %
Fluoride, not more than ..... 0,003 %
Loss on drying ..... 19,0-23,0 %
Selenium, not more than ..... 0,003 %
Arsenic, not more than ..... 3 ppm
Mercury, not more than ..... 1 ppm
Lead, not more than ..... 2 ppm
Specifications Dir. 2008/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
201235.0914	5 kg PP	
201235.0416	25 kg	

Calcon (C.I. 15705) PA

for titrating metals

$C_{20}H_{13}N_2NaO_5S$

M: 416,39 CAS: 2538-85-4 EINECS: 219-810-2 NC: 2927 00 00

SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS at pH 12,2(Calcic complex) ..... 632-636 nm
A 1%; 1 cm; λmax ..... >180
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 10 %
Suitability as complexometric indicator ..... p/t.

Order code	Package	Units/Box st.
124537.1607	50 g	6

PANREAC SINTESIS

Intermedios para síntesis
Synthesis intermediates
Intermédiaires de synthèse

Calconcarboxylic Acid (Reag. Ph. Eur.) PA

for complexometry
$C_{21}H_{14}N_2O_7S$
M: 438,42 CAS: 3737-95-9 EINECS: 223-117-0 NC: 2927 00 00
SPECIFICATIONS:
Identity.....IR p/t.
λ of max. ABS in C_2H_5OH ..... 569-572 nm
A 1%, 1cm, λmax.....>250
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 135°C..... 7 %
Suitability as compl.indicator of Ca..... p/t.
Cu ..... 0,005 %
Fe..... 0,005 %
Ni ..... 0,005 %
Pb ..... 0,005 %
Zn ..... 0,005 %

Order code	Package	Units/Box st.
123575.1604	5 g	6
123575.1606	25 g	6

DL-Camphor natural (BP, Ph. Eur.) PRS-CODEX

$C_{10}H_{16}O$
M: 152,24 CAS: 21368-68-3 EINECS: 244-350-4 NC: 2914 21 00 UN: 1325
IMDG: 4.1/III ADR: 4.1/III IATA: 4.1/III PAX: 419 CAO: 420
HAZARDOUS:
F
R: 11 S: 7/9-16-22
SPECIFICATIONS:
Identity according to Pharmacopoeias ..... p/t.
Melting range..... 172-180°C
Specific rotation $[\alpha]^{20}$/D c=10 (in ethanol)..... -0,15 to +0,15°
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Non-volatile matter..... 0,05 %
Acidity or alkalinity..... p/t.
Halogenated compounds (as Cl)..... 0,01 %
Water ..... p/t.
Related substances..... p/t.

Order code	Package	Units/Box st.
146308.1210	500 g	6
146308.0914	5 kg	
146308.0416	25 kg	

DL-Camphor synthetic (USP) PRS-CODEX

$C_{10}H_{16}O$
M: 152,24 CAS: 21368-68-3 EINECS: 244-350-4 NC: 2914 21 00 UN: 2717
IMDG: 4.1/III ADR: 4.1/III IATA: 4.1/III PAX: 419 CAO: 420
HAZARDOUS:
F
R: 11 S: 7/9-16-22
SPECIFICATIONS:
Identity.....IR p/t.
Melting range..... 174-179°C
Specific rotation $[\alpha]^{20}$/D c=10 (in ethanol)..... -0,15 to+ 0,15°
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in C_2H_5OH ..... p/t.
Non-volatile matter..... 0,05 %
Acidity or alkalinity..... p/t.
Halogenated compounds (as Cl)..... 0,01 %
Water ..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
142652.1210	500 g	6
142652.1211	1000 g	6
142652.0914	5 kg	
142652.0416	25 kg	

DL-Camphor, 95% synthetic PS

$C_{10}H_{16}O$
M: 152,24 CAS: 21368-68-3 EINECS: 244-350-4 NC: 2914 21 00 UN: 2717
IMDG: 4.1/III ADR: 4.1/III IATA: 4.1/III PAX: 419 CAO: 420
HAZARDOUS:
F
R: 11 S: 7/9-16-22
SPECIFICATIONS:
Assay..... 95 %
Identity.....IR p/t.

Order code	Package	Units/Box st.
152652.1210	500 g	6

Canada Balsam DC

for microscopy, inclusion medium
CAS: 8007-47-4 EINECS: 232-362-2 NC: 1301 90 00
1l~0,991kg 1kg~1,009l
SPECIFICATIONS:
Identity.....IR p/t.
Density at 20/4 0,987-0,994
Refractive index n ^{20}/D..... 1,520-1,523
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in C_6H_{10}..... p/t.
Insoluble matter in C_2H_5OH ..... p/t.

Order code	Package	Units/Box st.
251179.1606	25 ml	6
251179.1608	100 ml	6
251179.1609	250 ml	6

Capric Acid

(see Decanoic Acid)

Capric Acid Chloride

(see Decanoyl Chloride)

Capric Acid Methyl Ester

(see Methyl Decanoate)

Caproic Acid

(see Hexanoic Acid)

Caproic Acid Chloride

(see Hexanoyl Chloride)

Caproic Acid Methyl Ester

(see Methyl Hexanoate)

Caproyl Chloride

(see Hexanoyl Chloride)

Capryl Chloride

(see Decanoyl Chloride)

Caprylene

(see 1-Octene)

Caprylic Acid

(see Octanoic Acid)

Caprylic Acid Chloride

(see Octanoyl Chloride)

Caprylic Acid Methyl Ester

(see Methyl Octanoate)

Capryloyl Chloride

(see Octanoyl Chloride)

CAPS

(see 3-Cyclohexylaminopropanesulphonic Acid)

CAPSO

(see 3-(Cyclohexylamino) 2-Hydroxy-1-Propanesulphonic Acid)

Carazzi's Hematoxylin solution DC

for microscopy and cytology
NC: 3822 00 00
1l~1,080kg 1kg~0,926l
Composition:
Hematoxylin.....0,1 g
Aluminium Potassium Sulphate 12-hydrate.....5 g
Sodium Iodate.....0,02 g
Glycerol .....20 ml
Water s.q.m .....100 ml

Order code	Package	Units/Box st.
255298.1610	500 ml	6
255298.1612	2,5 l	4

Carbamide

(see Urea)

Carbamide Nitrate

(see Urea Nitrate)

1-Carbamoyl-2-Phenylhydrazine

(see 1-Phenylsemicarbazide)

N-Carbobenzyloxy-L-Valine

(see N-Z-L-Valine)

Carbon Disulphide (UV-IR-HPLC) PAI

CS_2

M: 76,14 CAS: 75-15-0 EINECS: 200-843-6 NC: 2813 10 00 UN: 1131
IMDG: 3/I ADR: 3/I IATA: 3/- PAX: P CAO: P
HAZARDOUS:

F T **R: 11-36/38-48/23-62-63 S: 16-33-36/37-45 CE: 006-003-00-3**
1l~1,264kg 1kg~0,791l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Density at 20/4 1,262-1,264

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0005 %
Acidity ..... 0,0005 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,005 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	385 (Cut off)	390	400	410	420-500
A (AU)	1,000	0,301	0,097	0,046	0,009
T (%)	10	50	80	90	98

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 0,3
Eluotropic value E°(Al_2O_3) 0,15
Sol. H_2O in solv. at 20°C 0,005
P' + 0,25 E 1,7
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361244.1611	1000 ml	6

Carbon Disulphide dry (max. 0.005% water) low in aromatic compounds DS-ACS

CS_2

M: 76,14 CAS: 75-15-0 EINECS: 200-843-6 NC: 2813 10 00 UN: 1131
IMDG: 3/I ADR: 3/I IATA: 3/- PAX: P CAO: P
HAZARDOUS:

F T **R: 11-36/38-48/23-62-63 S: 16-33-36/37-45 CE: 006-003-00-3**
1l~1,264kg 1kg~0,791l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Identity ..... IR p/t.
Density at 20/4 1,262-1,264

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,001 %
Benzene (G.C.) ..... 0,0001 %
Toluene (G.C.) ..... 0,0001 %
Water (H_2O) ..... 0,005 %
Hydrogen Sulphide (H_2S) ..... 0,00015 %
Sulphur Dioxide (SO_2) ..... 0,00025 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	Sb	0,02
Au	0,05	Hg	0,05	Si	0,2
B	0,02	In	0,05	Sn	0,1
Ba	0,1	K	0,1	Sr	0,2
Be	0,02	Li	0,05	Ti	0,02
Bi	0,05	Mg	0,1	Tl	0,02
Ca	0,5	Mn	0,02	V	0,02
Cd	0,05	Mo	0,02	Zn	0,1
Co	0,02	Na	0,5	Zr	0,02
Cr	0,02	Ni	0,02		
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
481244.1611	1000 ml	6

Carbon Disulphide PA-ACS

CS_2

M: 76,14 CAS: 75-15-0 EINECS: 200-843-6 NC: 2813 10 00 UN: 1131
IMDG: 3/I ADR: 3/I IATA: 3/- PAX: P CAO: P
HAZARDOUS:

F T **R: 11-36/38-48/23-62-63 S: 16-33-36/37-45 CE: 006-003-00-3**
1l~1,264kg 1kg~0,791l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Identity ..... IR p/t.
Density at 20/4 1,262-1,264

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,002 %
Benzene (G.C.) ..... 0,001 %
Water (H_2O) ..... 0,01 %
Hydrogen Sulphide (H_2S) ..... 0,00015 %
Sulfur Dioxide (SO_2) ..... 0,00025 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	Sb	0,02
Au	0,05	Hg	0,05	Si	0,2
B	0,02	In	0,05	Sn	0,1
Ba	0,1	K	0,1	Sr	0,2
Be	0,02	Li	0,05	Ti	0,02
Bi	0,05	Mg	0,1	Tl	0,02
Ca	0,5	Mn	0,02	V	0,02
Cd	0,05	Mo	0,02	Zn	0,1
Co	0,02	Na	0,5	Zr	0,02
Cr	0,02	Ni	0,02		
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131244.1611	1000 ml	6
131244.0616	25 l	

Carbon Disulphide PRS

CS_2

M: 76,14 CAS: 75-15-0 EINECS: 200-843-6 NC: 2813 10 00 UN: 1131
IMDG: 3/I ADR: 3/I IATA: 3/- PAX: P CAO: P
HAZARDOUS:

F T **R: 11-36/38-48/23-62-63 S: 16-33-36/37-45 CE: 006-003-00-3**
1l~1,264kg 1kg~0,791l

SPECIFICATIONS:
Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,262-1,264
Non-volatile matter ..... 0,005 %
Benzene (G.C.) ..... 0,005 %
Toluene (G.C.) ..... 0,005 %
Water (H_2O) ..... 0,02 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141244.1611	1000 ml	6
141244.0616	25 l	

Carbon Disulphide, 99,5% PS

CS_2

M: 76,14 CAS: 75-15-0 EINECS: 200-843-6 NC: 2813 10 00 UN: 1131
IMDG: 3/I ADR: 3/I IATA: 3/- PAX: P CAO: P
HAZARDOUS:

F T **R: 11-36/38-48/23-62-63 S: 16-33-36/37-45 CE: 006-003-00-3**
1l~1,264kg 1kg~0,791l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 1,262-1,264
Water (H_2O) ..... 0,01 %

Order code	Package	Units/Box st.
161244.1611	1000 ml	6
161244.1612	2,5 l	4
161244.0616	25 l	

Carbon Sulphide

(see Carbon Disulphide)

Carbon Tetrachloride (UV-HPLC-GPC) (E.U.) PAI

for Essential Uses
CCl_4
M: 153,82 CAS: 56-23-5 EINECS: 200-262-8 NC: 2903 14 00 UN: 1846
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 610 CAO: 612
HAZARDOUS:
T N **R: 23/24/25-40-48/23-59-52/53 S: 23c-36/37-45-59-61**
CE: 602-008-00-5
1l~1,594kg 1kg~0,627l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Density at 20/4 1,592-1,595
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0003 %
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,005 %
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	263 (Cut off)	265	270	275	280	290-400
A (AU)	1,000	0,699	0,301	0,097	0,046	0,009
T (%)	10	20	50	80	90	98

Fluorescence (as quinine):

λ (nm)	365
ppb	1,0

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 1,6
Eluotropic value E°(Al_2O_3) 0,18
Sol. H_2O in solv. at 20°C 0,008
P' + 0,25 E 2,3
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361245.1611	1000 ml	6

Carbon Tetrachloride (IR) (E.U.) PAI

for fatty esters determination for Essential Uses
CCl_4
M: 153,82 CAS: 56-23-5 EINECS: 200-262-8 NC: 2903 14 00 UN: 1846
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 610 CAO: 612
HAZARDOUS:
T N **R: 23/24/25-40-48/23-59-52/53 S: 23c-36/37-45-59-61**
CE: 602-008-00-5
1l~1,594kg 1kg~0,627l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Identity ..... IR p/t.
Density at 20/4 1,592-1,595
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,001 %
Acidity ..... 0,0005 meq/g
Water (H_2O) ..... 0,01 %
Aliphatic and aromatic hydrocarbons (as squalene) ..... 0,0002 %

Order code	Package	Units/Box st.
331245.1611	1000 ml	6
331245.1612	2,5 l	4

Carbon Tetrachloride (ACS VIII, Reag. Ph. Eur.) (E.U.) PA-ACS-ISO

for Essential Uses
CCl_4
M: 153,82 CAS: 56-23-5 EINECS: 200-262-8 NC: 2903 14 00 UN: 1846
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 610 CAO: 612
HAZARDOUS:
T N **R: 23/24/25-40-48/23-59-52/53 S: 23c-36/37-45-59-61**
CE: 602-008-00-5
1l~1,594kg 1kg~0,627l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Identity ..... IR p/t.
Density at 20/20 1,595-1,598
Boiling range ..... 76-77°C
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,001 %
Dichloromethane (G.C.) ..... 0,02 %
Suitability for use in dithizone tests ..... p/t.
Metallic impurities ..... p/t.
Darkened substances by H_2SO_4 ..... p/t.
Reducing substances of I_2 (as I) ..... 0,0016 %
Sulphur compounds (as CS_2) ..... 0,002 %
Acidity ..... 0,0005 meq/g
Carbonyl compounds (as CH_3COCH_3) ..... 0,005 %
Water (H_2O) ..... 0,02 %
Chlorine (Cl) ..... 0,0005 %
Phosgene (Cl_2CO) ..... 0,0001 %
Chloride (Cl) ..... 0,00006 %
Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	Sb	0,02
Au	0,05	Hg	0,05	Si	0,2
B	0,02	In	0,05	Sn	0,1
Ba	0,1	K	0,1	Sr	0,2
Be	0,02	Li	0,05	Ti	0,02
Bi	0,05	Mg	0,1	Tl	0,02
Ca	0,5	Mn	0,02	V	0,02
Cd	0,05	Mo	0,02	Zn	0,1
Co	0,02	Na	0,5	Zr	0,02
Cr	0,02	Ni	0,02		
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131245.1611	1000 ml	6
131245.1612	2,5 l	4

aditio
Aditivos alimentarios
Food chemicals
Additifs alimentaires

Carbon Tetrachloride (ACS VIII, Reag. Ph. Eur.) (B.D.N.) PA-ACS-ISO

for Basic Domestic Needs
CCl_4
M: 153,82 CAS: 56-23-5 EINECS: 200-262-8 NC: 2903 14 00 UN: 1846
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 610 CAO: 612
HAZARDOUS:
T N R: 23/24/25-40-48/23-59-52/53 S: 23c-36/37-45-59-61
CE: 602-008-00-5
1l~1,594kg 1kg~0,627l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Identity ..... IR p/t.
Density at 20/20 1,595-1,598
Boiling range ..... 76-77°C
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,001 %
Dichloromethane (G.C.) ..... 0,02 %
Suitability for use in dithizone tests ..... p/t.
Metallic impurities ..... p/t.
Darkened substances by H_2SO_4 ..... p/t.
Reducing substances of I_2 (as I) ..... 0,0016 %
Sulphur compounds (as CS_2) ..... 0,002 %
Acidity ..... 0,0005 meq/g
Carbonyl compounds (as CH_3COCH_3) ..... 0,005 %
Water (H_2O) ..... 0,02 %
Chlorine (Cl) ..... 0,0005 %
Phosgene (Cl_2CO) ..... 0,0001 %
Chloride (Cl) ..... 0,00006 %
Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	Sb	0,02
Au	0,05	Hg	0,05	Si	0,2
B	0,02	In	0,05	Sn	0,1
Ba	0,1	K	0,1	Sr	0,2
Be	0,02	Li	0,05	Ti	0,02
Bi	0,05	Mg	0,1	Tl	0,02
Ca	0,5	Mn	0,02	V	0,02
Cd	0,05	Mo	0,02	Zn	0,1
Co	0,02	Na	0,5	Zr	0,02
Cr	0,02	Ni	0,02		
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
136423.1611	1000 ml	6
136423.1612	2,5 l	4

Carbon Tetrachloride (E.U.) PRS

for Essential Uses
CCl_4
M: 153,82 CAS: 56-23-5 EINECS: 200-262-8 NC: 2903 14 00 UN: 1846
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 610 CAO: 612
HAZARDOUS:
T N R: 23/24/25-40-48/23-59-52/53 S: 23c-36/37-45-59-61
CE: 602-008-00-5
1l~1,594kg 1kg~0,627l
SPECIFICATIONS:
Assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 25/25 1,588-1,590
Non-volatile matter ..... 0,002 %
Dichloromethane (G.C.) ..... 0,05 %
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... p/t.
Carbon disulphide ..... p/t.
Water (H_2O) ..... 0,05 %
Phosgene (Cl_2CO) ..... 0,0005 %
Chloride and free chlorine ..... p/t.
Cu ..... 0,00002 %
Fe ..... 0,00002 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141245.1611	1000 ml	6
141245.1612	2,5 l	4

Carbon Tetrachloride (B.D.N.) PRS

for Basic Domestic Needs
CCl_4
M: 153,82 CAS: 56-23-5 EINECS: 200-262-8 NC: 2903 14 00 UN: 1846
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 610 CAO: 612
HAZARDOUS:
T N R: 23/24/25-40-48/23-59-52/53 S: 23c-36/37-45-59-61
CE: 602-008-00-5
1l~1,594kg 1kg~0,627l
SPECIFICATIONS:
Assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 25/25 1,588-1,590
Non-volatile matter ..... 0,002 %
Dichloromethane (G.C.) ..... 0,05 %
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... p/t.
Carbon disulphide ..... p/t.
Water (H_2O) ..... 0,05 %
Phosgene (Cl_2CO) ..... 0,0005 %
Chloride and free chlorine ..... p/t.
Cu ..... 0,00002 %
Fe ..... 0,00002 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
146423.1611	1000 ml	6
146423.1612	2,5 l	4

Carbowax

(see Polyethylene Glycol)

Carboxymethylcellulose Sodium Salt low viscosity (RFE, USP, BP, Ph. Eur.) PRS-CODEX

R_nOCH_2COONa
CAS: 9004-32-4 NC: 3912 31 00
SPECIFICATIONS:
Assay [as Na (calc. a.d.s.)](Perchl. Ac.) ..... 6,5-9,5 %
Identity according to Pharmacopoeias ..... p/t.
pH of 1% solution 6,5-8,0
Viscosity (2% sol. at 20°C) ..... 25-50 cP
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Loss on drying at 105°C ..... 10,0 %
Residue on ignition (as SO_4) ..... 20,0-29,3 %
Chloride (Cl) ..... 0,25 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Sodium glycolate ..... 0,4 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0003 %
Fe ..... 0,02 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142416.1209	250 g	6
142416.1211	1000 g	6
142416.0416	25 kg	

Carboxymethylcellulose Sodium Salt low viscosity (E-466, F.C.C.) ADITIO

R_nOCH_2COONa
CAS: 9004-32-4 NC: 3912 31 00
SPECIFICATIONS:
Assay of Carboxymethylcellulose Sodium Salt,
calc. on the dried basis 99,5-100,5%
Arsenic (as As), not more than ..... 3 ppm
Lead, not more than ..... 3 ppm
Heavy metals (as Pb), not more than ..... 0,001 %
Loss on drying, not more than ..... 10,0 %
Viscosity of a 2% sol. w/w, not less than ..... 25 cP
Sodium Chloride and Sodium Glycolate, not more than ..... 0,5 %
Sodium Glycolate, not more than ..... 0,4 %
Degree of substitut. per anhydroglucose unit
(as $-CH_2COOH$ groups) ..... 0,2-0,95 %
Sodium (after drying), not more than ..... 9,5 %
pH of 1% solution 6,0-8,5
Mercury, not more than ..... 1 ppm
Cadmium, not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
202416.0914	5 kg	

PRS-CODEX

Productos que satisfacen las especificaciones definidas por las farmacopeas, indicadas en la etiqueta del producto
Chemicals according to specifications defined by pharmacopoeias, specified on the label
Produits répondant aux spécifications selon pharmacopée indiquée

Carboxymethylcellulose Sodium Salt medium viscosity (RFE, USP, BP, Ph. Eur.) PRS-CODEX

R_nOCH_2COONa

CAS: 9004-32-4 NC: 3912 31 00

SPECIFICATIONS:

Assay [as Na (calc. a.d.s.)](Perchl. Ac.) ....6,5-9,5 %
Identity according to Pharmacopoeias .... p/t.
pH of 1% solution 6,5-8,0
Viscosity (2% sol. at 20°C) ....400-800 cP

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution .... p/t.
Insoluble matter in H_2O.... p/t.
Loss on drying at 105°C.... 10,0 %
Residue on ignition (as SO_4) ....20,0-29,3 %
Chloride (Cl).... 0,25 %
Residual solvents (Ph.Eur./USP).... p/t.
Sodium glycolate.... 0,4 %
Heavy metals (as Pb).... 0,002 %
As .... 0,0003 %
Fe.... 0,02 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
144441.1209	250 g	6
144441.0914	5 kg	
144441.0416	25 kg	

Carboxymethylcellulose Sodium Salt medium viscosity (E-466, F.C.C.) ADITIO

R_nOCH_2COONa

CAS: 9004-32-4 NC: 3912 31 00

SPECIFICATIONS:

Assay of Carboxymethylcellulose Sodium Salt,
calc. on the dried basis 99,5-100,5%
Arsenic (as As), not more than .... 3 ppm
Lead, not more than .... 3 ppm
Heavy metals (as Pb), not more than .... 0,001 %
Loss on drying, not more than .... 10,0 %
Viscosity of a 2% sol. w/w, not less than .... 400 cP
Sodium Chloride and Sodium Glycolate, not more than.... 0,5 %
Sodium Glycolate, not more than.... 0,4 %
Degree of substitut. per anhydroglucose unit
(as $-CH_2COOH$ groups)....0,2-0,95%
Sodium (after drying), not more than.... 9,5 %
pH of 1% solution 6,0-8,5
Mercury, not more than .... 1 ppm
Cadmium, not more than .... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
204441.0914	5 kg	

Carboxymethylcellulose Sodium Salt high viscosity (RFE, USP, BP, Ph. Eur.) PRS-CODEX

R_nOCH_2COONa

CAS: 9004-32-4 NC: 3912 31 00

SPECIFICATIONS:

Assay [as Na(calc.a.d.s.)](Perchl. Ac.). ....6,5-9,5 %
Identity according to Pharmacopoeias .... p/t.
pH of 1% solution 6,5-8,0
Viscosity (1% sol. at 20°C) .... 1500-3500 cP

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution .... p/t.
Insoluble matter in H_2O.... p/t.
Loss on drying at 105°C.... 10,0 %
Residue on ignition (as SO_4) ....20,0-29,3 %
Chloride (Cl).... 0,25 %
Residual solvents (Ph.Eur./USP).... p/t.
Sodium glycolate.... 0,4 %
Heavy metals (as Pb).... 0,002 %
As .... 0,0003 %
Fe.... 0,02 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
143922.1209	250 g	6
143922.1211	1000 g	6
143922.0914	5 kg	

Carboxymethylcellulose Sodium Salt high viscosity (E-466, F.C.C.) ADITIO

R_nOCH_2COONa

CAS: 9004-32-4 NC: 3912 31 00

SPECIFICATIONS:

Assay of Carboxymethylcellulose Sodium Salt,
calc. on the dried basis 99,5-100,5%
Arsenic (as As), not more than .... 3 ppm
Lead, not more than .... 3 ppm
Heavy metals (as Pb), not more than .... 0,001 %
Loss on drying, not more than .... 10,0 %
Viscosity of a 2% sol. w/w, not less than .... 1500 cP
Sodium Chloride and Sodium Glycolate, not more than.... 0,5 %
Sodium Glycolate, not more than.... 0,4 %
Degree of substitut. per anhydroglucose unit
(as $-CH_2COOH$ groups)....0,2-0,95 %
Sodium (after drying), not more than.... 9,5 %
pH of 1% solution 6,0-8,5
Mercury, not more than .... 1 ppm
Cadmium, not more than .... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
203922.0914	5 kg	
203922.0416	25 kg	

Carmine (Lacquer of carminic acid with calcium and aluminium) (C.I. 75470) DC

$C_{44}H_{37}AlCaO_{27}.3H_2O$

M: 1118,78 CAS: 1390-65-4 EINECS: 215-724-4 NC: 3203 00 90

SPECIFICATIONS:

Identity....IR p/t.
λ_1 of max. ABS in DMSO .... 563-571 nm
λ_2 of max. ABS in DMSO .... 525-533 nm
A 1%, 1 cm, λ_1 max....>70
A 1%, 1 cm, λ_2 max....>100
Ratio λmax. P+/- 15 nm (at λ528 nm) 1,00-1,10

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C.... 15 %

Order code	Package	Units/Box st.
251824.1605	10 g	6
251824.1606	25 g	6

Carmine hydrosoluble (Lacquer of carminic acid with calcium and aluminium) (C.I. 75470) PA

$C_{44}H_{37}AlCaO_{27}.3H_2O$

M: 1118,78 CAS: 1390-65-4 EINECS: 215-724-4 NC: 3203 00 90

SPECIFICATIONS:

Minimum assay (Spectrophotometric) (as Carminic Acid) .... 50,0 %

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C.... 15 %

Order code	Package	Units/Box st.
124842.1605	10 g	6

Carminic Acid (C.I. 75470) DC

$C_{22}H_{20}O_{13}$

M: 492,40 CAS: 1260-17-9 EINECS: 215-023-3 NC: 3204 12 00

SPECIFICATIONS:

Minimum assay (Spectrophotometric) calc. a.d.s .... 90,0 %
Identity....IR p/t.
λ of max. ABS at pH 3,0.... 490-495 nm
A 1%; 1cm; λmax....>130

Order code	Package	Units/Box st.
254354.1604	5 g	6

Carnoy's Fixing DC

for microscopy

NC: 3822 00 00 UN: 1992

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

F Xn **R: 10-40-48/20/22-36/38 S: 36/37**

1l~1,022kg 1kg~0,978l

Composition:
Acetic Acid glacial ....100 ml
Ethanol absolute....600 ml
Trichloromethane stab. with ethanol ....300 ml

Order code	Package	Units/Box st.
251917.1611	1000 ml	6

Carrez I, Carrez II

(see Carrez's Reagent)

Carrez's Reagent I RE

for precipitation of proteins

NC: 3822 00 00

1l~1,122kg 1kg~0,891l

Composition:
Zinc Acetate 2-hydrate ..... 239 g
Acetic Acid glacial ..... 28,6 ml
Water s.q.m ..... 1 l

Order code	Package	Units/Box st.
173355.1211	1000 ml	6
173355.1214	5 l	4

Carrez's Reagent II RE

for precipitation of proteins

NC: 3822 00 00

1l~1,061kg 1kg~0,943l

Composition:
Potassium Hexacyanoferrate(II) 3-hydrate ..... 107 g
Water s.q.m ..... 1 l

Order code	Package	Units/Box st.
173356.1211	1000 ml	6
173356.1214	5 l	4

Carvacrol

(see 5-Isopropyl-2-Methylphenol)

Casein Peptone (Ingredient) CULTIMED

Nutritional ingredient to prepare culture media.

NC: 3504 00 00

SPECIFICATIONS:
pH of 2% solution 6,5-7,5
Loss on drying at 105°C ..... 7 %
Residue on ignition (as SO_4) ..... 15 %
Total Nitrogen ..... ≥10 %

Order code	Package	Units/Box st.
403898.1210	500 g	6
403898.0914	5 kg	
403898.0416	25 kg	

Casein Peptone Hydrolyzed (Ingredient) CULTIMED

Nutritional ingredient to prepare culture media.

NC: 3504 00 00

SPECIFICATIONS:
pH of 2% solution 6,5-7,5
Loss on drying at 105°C ..... 5 %
Residue on ignition (as SO_4) ..... 45 %
Total Nitrogen ..... ≥5 %

Order code	Package	Units/Box st.
403691.1210	500 g	6
403691.0914	5 kg	
403691.0416	25 kg	

Castor Oil (RFE, BP, Ph. Eur., DAB) PRS-CODEX

CAS: 8001-79-4 EINECS: 232-293-8 NC: 1515 30 90

1l~0,958kg 1kg~1,044l

SPECIFICATIONS:
Identity according to Pharmacopoeias ..... p/t.
Density at 20/20 0,952-0,965
Refractive index n ^{20}/D 1,477-1,481
Hydroxyl value ..... ≥150
Iodine value 82-90
Saponification value 176-187
Specific Rotation $[\alpha]^{20}$/D (without dil.) ..... +3,5 to +6,0°

MAXIMUM LIMIT OF IMPURITIES
Absorbance ..... p/t.
Acidity value 2,0
Peroxide value 5,0
Unsaponifiable matter ..... 0,8 %
Composition of fatty acids ..... p/t.
Foreign fatty substances ..... p/t.
Water (H_2O) ..... 0,3 %
Residual solvents (Ph.Eur./USP) ..... p/t.

Order code	Package	Units/Box st.
144564.1611	1000 ml	6
144564.1214	5 l	4

Catechol

(see Pyrocatechol)

Cation Exchange Resin Strongly Acidic PA

CAS: 69011-20-7 NC: 3914 00 00

SPECIFICATIONS:
Total exchange capacity, min ..... 2,0 meq/ml
Water ..... 46-52 %

Order code	Package	Units/Box st.
125436.1211	1000 g	6

Cbz

(see Z derivatives)

CDTA

(see 1,2-Diaminocyclohexane-N,N,N',N'-Tetraacetic Acid 1-hydrate)

Cedar Wood Oil DC

for microscopy, inclusion medium

CAS: 8000-27-9 NC: 3301 30 00

1l~0,991kg 1kg~1,009l

SPECIFICATIONS:
Identity ..... IR p/t.
Density at 20/4 0,960-0,970
Refractive index n ^{20}/D 1,480-1,500

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in $C_2H_5OC_2H_5$ ..... p/t.
Insoluble matter in C_2H_5OH ..... p/t.

Order code	Package	Units/Box st.
251001.1606	25 ml	6
251001.1607	50 ml	6

Celite Hyflo Super Cel ® RE

(® Registered trade-mark of World Minerals)

CAS: 61790-53-2 EINECS: 319-127-6 NC: 3802 90 00

HAZARDOUS:

Xn **R: 68/20 S: 36/37-45**

SPECIFICATIONS:
Loss on ignition ..... 0,2 %
Granular size:
Less than 0,1 mm ..... 90 %

Order code	Package	Units/Box st.
175772.1210	500 g	6

D(+)-Cellobiose PB

$C_{12}H_{22}O_{11}$

M: 342,30 CAS: 528-50-7 EINECS: 208-436-5 NC: 2940 00 00

SPECIFICATIONS:
Minimum assay ..... 98 %
Melting range ..... 235-239°C
Specific rotation $[\alpha]^{20}$/D c=1 (in H_2O) ..... +33,0 to +35,0°

MAXIMUM LIMIT OF IMPURITIES
Water (H_2O) ..... 1 %

Order code	Package	Units/Box st.
375886.1604	5 g	6
375886.1606	25 g	6

Cellosolve

(see Ethylene Glycol mono-Ethyl Ether)

Ceric

(see Cerium(IV) compounds)

CERIUM SOLUTIONS

(see Standards for ICP)

Cerium(IV) Ammonium Nitrate

(see Ammonium Cerium(IV) Nitrate)

Cerium(IV) and Ammonium Sulphate

(see Ammonium Cerium(IV) Sulphate 2-hydrate)

Cerium(IV) Oxide PRS

CeO_2

M: 172,12 CAS: 1306-38-3 EINECS: 215-150-4 NC: 2846 90 00

SPECIFICATIONS:
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,1 %
Heavy metals (as Pb) ..... 0,002 %

Order code	Package	Units/Box st.
141247.1208	100 g	6
141247.1209	250 g	6

Cerium(IV) Sulphate 4-hydrate (Reag. USP, Ph. Eur.) PA

$Ce(SO_4)_2.4H_2O$

M: 404,30 CAS: 10294-42-5 EINECS: 237-029-5 NC: 2846 90 00

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 98 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2SO_4 ..... 0,1 %
Non-precipitated by NH_4OH ..... 0,3 %
Chloride (Cl) ..... 0,01 %
Heavy metals (as Pb) ..... 0,003 %
Heavy metals (Reagent Pharmacopoeias) ..... p/t.
Al ..... 0,01 %
Cu ..... 0,003 %
Fe ..... 0,015 %
Ni ..... 0,003 %
Pb ..... 0,003 %

Order code	Package	Units/Box st.
121248.1208	100 g	6
121248.1209	250 g	6
121248.1211	1000 g	6
121248.1214	5 kg	

Cerium(IV) Sulphate 4-hydrate PRS

$Ce(SO_4)_2.4H_2O$

M: 404,30 CAS: 10294-42-5 EINECS: 237-029-5 NC: 2846 90 00

SPECIFICATIONS:

Assay (Iodom.) ..... 98 %
Chloride (Cl) ..... 0,05 %
Cu ..... 0,01 %
Fe ..... 0,05 %
Ni ..... 0,01 %
Pb ..... 0,01 %

Order code	Package	Units/Box st.
141248.1208	100 g	6
141248.1209	250 g	6
141248.1211	1000 g	6
141248.1214	5 kg	4

CERIUM(IV) SULPHATE VOLUMETRIC SOLUTIONS

Cerium(IV) Sulphate 0,05 mol/l (0,05N) SV

$Ce(SO_4)_2 4H_2O$

M: 404,30 CAS: 10294-42-5 EINECS: 237-029-5 NC: 2846 90 00 UN: 3264

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

1l~1,036kg 1kg~0,965l

SPECIFICATIONS:

Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
182136.1611	1000 ml	6

Cerium(IV) Sulphate 0,1 mol/l (0,1N) SV

$Ce(SO_4)_2 4H_2O$

M: 404,30 CAS: 10294-42-5 EINECS: 237-029-5 NC: 2846 90 00 UN: 3264

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

1l~1,083kg 1kg~0,923l

SPECIFICATIONS:

Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
181249.1611	1000 ml	6

CESIUM SOLUTIONS

(see Standards for ICP)

Cesium Chloride (Reag. Ph. Eur.) PA

CsCl

M: 168,36 CAS: 7647-17-8 EINECS: 231-600-2 NC: 2827 39 85

SPECIFICATIONS:

Minimum assay (Arg.) ..... 99,5 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,003 %
Nitrogen compounds (as N) ..... 0,003 %
Phosphate (PO_4) ..... 0,002 %
Sulphate (SO_4) ..... 0,002 %

Metals by ICP [mg/Kg (ppm)]

Al 10	Cr 3	Na 30
As 1	Cu 3	Ni 3
B 2	Fe 3	Pb 3
Ba 10	K 20	Sr 3
Bi 2	Li 20	Tl 5
Ca 10	Mg 5	Zn 5
Cd 3	Mn 3	
Co 3	Mo 5	

Order code	Package	Units/Box st.
122509.1206	25 g	6
122509.1208	100 g	6

Cesium Chloride/Aluminium Nitrate Buffer Solution

(see Buffer Solution Aluminium Nitrate/Cesium Chloride)

Cesium Chloride/Lanthanum Chloride Buffer Solution

(see Buffer Solution Cesium Chloride/Lanthanum Chloride)

Cetrimide (RFE, BP, Ph. Eur.) PRS-CODEX

$C_{17}H_{38}BrN$

M: 336,42 CAS: 1119-97-7 EINECS: 214-291-9 NC: 2923 90 00

HAZARDOUS:

Xn

R: 22-36/37/38 S: 22-36/37/39

SPECIFICATIONS:

Assay (Arg.) calc. a.d.s 96,0-101,0%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Loss on drying at 105°C ..... 2,0 %
Residue on ignition (as SO_4) ..... 0,5 %
Acidity or alkalinity ..... p/t.
Amines and amine salts ..... p/t.

Order code	Package	Units/Box st.
142542.1208	100 g	6
142542.1209	250 g	6

Cetrimonium Bromide

(see N-Cetyl-N,N,N-Trimethylammonium Bromide)

Cetyl Alcohol (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

$CH_3(CH_2)_{15}OH$

M: 242,45 CAS: 36653-82-4 EINECS: 253-149-0 NC: 2905 17 00

HAZARDOUS:

Xi

R: 38 S: 22-24/25

SPECIFICATIONS:

Minimum assay (G.C.) ..... 95,0 %
Identity according to Pharmacopoeias ..... p/t.
Melting range ..... 46-52°C

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in alcohol ..... p/t.
Acidity value 1,0
Hydroxyl value 218-238
Saponification value 2,0
Iodine value 2,0
Residual solvents (Ph.Eur./USP) ..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
143143.1210	500 g	6
143143.1211	1000 g	6
143143.0914	5 kg	

Cetyl Alcohol, 97% PS

$CH_3(CH_2)_{15}OH$

M: 242,45 CAS: 36653-82-4 EINECS: 253-149-0 NC: 2905 17 00

HAZARDOUS:

Xi

R: 38 S: 22-24/25

SPECIFICATIONS:

Minimum assay (G.C.) ..... 97 %
Identity ..... IR p/t.
Melting range ..... 47-50°C

Order code	Package	Units/Box st.
163143.1208	100 g	6
163143.1210	500 g	6

N-Cetyl-N,N,N-Trimethylammonium Bromide PA

$C_{19}H_{42}BrN$

M: 364,46 CAS: 57-09-0 EINECS: 200-311-3 NC: 2923 90 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

Xn N **R: 22-36/38-50 S: 26-39-61**

SPECIFICATIONS:
Minimum assay (Arg.) ..... 98,0 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... p/t.
Loss on drying at 105°C ..... 1 %
Residue on ignition (as SO_4) ..... 0,5 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
122054.1208	100 g	6
122054.1209	250 g	6

N-Cetyl-N,N,N-Trimethylammonium Bromide, 99% PS

$C_{19}H_{42}BrN$

M: 364,46 CAS: 57-09-0 EINECS: 200-311-3 NC: 2923 90 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

Xn N **R: 22-36/38-50 S: 26-39-61**

SPECIFICATIONS:
Minimum assay (Arg.) ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
162054.1208	100 g	6
162054.1211	1000 g	6

Charcoal Activated powder PA

bleacher
C

M: 12,01 CAS: 7440-44-0 EINECS: 231-153-3 NC: 3802 10 00

SPECIFICATIONS:
Adsorption power of methylene blue (0,15%) min ..... 100 ml/g
Decolorizing power ..... p/t.

MAXIMUM LIMIT OF IMPURITIES
Soluble matter in H_2O ..... 0,2 %
Soluble matter in HCl ..... 1 %
Soluble matter in C_2H_5OH ..... 0,2 %
Organic substances ..... p/t.
Loss on drying at 120°C ..... 10 %
Residue on ignition ..... 1 %
Acidity and alkalinity ..... p/t.
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Sulphide (S) ..... p/t.
Ca ..... 0,05 %
Cu ..... 0,002 %
Fe ..... 0,025 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
121237.1609	250 g	6
121237.1610	500 g	6
121237.0914	5 kg	
121237.0416	25 kg	

Charcoal Activated powder (E-153, F.C.C.) ADITIO

C

M: 12,01 CAS: 7440-44-0 EINECS: 231-153-3 NC: 3802 10 00

SPECIFICATIONS:
Iodine Index, not less than 400
Loss on drying, not more than ..... 10 %
Residue on ignition, not more than ..... 7 %
Cyanogen Compounds ..... p/t.
Higher aromatic Hydrocarbons ..... p/t.
Lead, not more than ..... 10 ppm
Arsenic (as As), not more than ..... 3 ppm
Soluble matter in water, not more than ..... 4,0 %
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201237.0914	5 kg	
201237.0416	25 kg	

Charcoal Activated powder QP

bleacher
C

M: 12,01 CAS: 7440-44-0 EINECS: 231-153-3 NC: 3802 10 00

SPECIFICATIONS:
Decolorizing power ..... p/t.
Chloride (Cl) ..... 0,2 %
Cu ..... 0,005 %
Fe ..... 0,05 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
211237.1609	250 g	6
211237.1610	500 g	6
211237.0914	5 kg	
211237.0416	25 kg	

Charcoal Activated granulated n° 1 QP

granules of ~3 mm. Catalyst and adsorber
C

M: 12,01 CAS: 7440-44-0 EINECS: 231-153-3 NC: 3802 10 00

SPECIFICATIONS:
Residue on ignition at 600°C ..... 6 %
Granular size ..... 1,25-3,15 mm

Order code	Package	Units/Box st.
211238.1609	250 g	6
211238.1610	500 g	6
211238.0914	5 kg	
211238.0416	25 kg	

Charcoal Activated granulated n° 2 QP

cilynders of ~3 mm. Bleacher and adsorber
C

M: 12,01 CAS: 7440-44-0 EINECS: 231-153-3 NC: 3802 10 00

SPECIFICATIONS:
Residue on ignition at 600°C ..... 15 %
Granular size ..... 3-5 mm

Order code	Package	Units/Box st.
211239.1609	250 g	6
211239.1610	500 g	6
211239.0914	5 kg	
211239.0416	25 kg	

Charcoal Activated granulated n° 3 QP

granules of 3 mm. Bleacher and adsorber
C

M: 12,01 CAS: 7440-44-0 EINECS: 231-153-3 NC: 3802 10 00

SPECIFICATIONS:
Residue on ignition at 600°C ..... 6 %
Granular size ..... 0,5-3,15 mm

Order code	Package	Units/Box st.
211240.1609	250 g	6
211240.1610	500 g	6
211240.0914	5 kg	

Charcoal Animal powder QP

bleacher

NC: 3801 90 00

SPECIFICATIONS:
Acidity and alkalinity ..... p/t.
Sulphide ..... p/t.

Order code	Package	Units/Box st.
211241.1609	250 g	6
211241.1610	500 g	6
211241.0914	5 kg	
211241.0416	25 kg	

Charcoal Vegetal powder QP

adsorber

NC: 4402 90 00

SPECIFICATIONS:
Acidity and alkalinity ..... p/t.
Sulphide ..... p/t.

Order code	Package	Units/Box st.
211243.1609	250 g	6
211243.1610	500 g	6
211243.0914	5 kg	
211243.0416	25 kg	

Chemical Oxygen Demand (COD)

(see Standards for COD)

CHES

(see 2-Cyclohexylaminoethanosulphonic Acid)

Chloral Hydrate (RFE, BP, Ph. Eur.) PRS-CODEX

$C_2H_3Cl_3O_2$

M: 165,40 CAS: 302-17-0 EINECS: 206-117-5 NC: 2905 59 99 UN: 2811
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T

R: 25-36/38 S: 25-45 CE: 605-014-00-6

SPECIFICATIONS:
Assay (Acidim.) 98,5-101,0%
Identity according to Pharmacopoeias ..... p/t.
pH of 10% solution 3,5-5,5

MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,1 %
Chloral alcoholate ..... p/t.
Darkened substances by H_2SO_4 ..... p/t.
Chloride (Cl) ..... 0,01 %
Heavy metals (as Pb) ..... 0,002 %

Order code	Package	Units/Box st.
141975.1210	500 g	6
141975.1211	1000 g	6
141975.1214	5 kg	4
141975.0416	25 kg	

Chloramine T 3-hydrate (Reag. USP) PA-ACS

$C_7H_7ClNNaO_2S.3H_2O$

M: 281,69 CAS: 7080-50-4 EINECS: 204-854-7 NC: 2935 00 90
HAZARDOUS:

Xi

R: 36/37/38 S: 7-15 CE: 616-010-00-9

SPECIFICATIONS:
Assay (Iodom.) 98,0-103,0%
Identity ..... IR p/t.
pH of 5% solution 8,0-10,0

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... p/t.
Insoluble matter in C_2H_5OH ..... 1,5 %
ortho-Compound ..... p/t.
Suitability for bromide determination ..... p/t.

Order code	Package	Units/Box st.
132323.1209	250 g	6

Chloramine T 3-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX

$C_7H_7ClNNaO_2S.3H_2O$

M: 281,69 CAS: 7080-50-4 EINECS: 204-854-7 NC: 2935 00 90
HAZARDOUS:

Xi

R: 36/37/38 S: 7-15 CE: 616-010-00-9

SPECIFICATIONS:
Assay (Iodom.) 98,0-103,0%
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 8,0-10,0

MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Insoluble matter in C_2H_5OH ..... 1,5 %
ortho-Compound ..... p/t.

Order code	Package	Units/Box st.
142323.1209	250 g	6
142323.1211	1000 g	6
142323.0914	5 kg	
142323.0416	25 kg	

Chloramine T 3-hydrate, 98% PS

$C_7H_7ClNNaO_2S.3H_2O$

M: 281,69 CAS: 7080-50-4 EINECS: 204-854-7 NC: 2935 00 90
HAZARDOUS:

Xi

R: 36/37/38 S: 7-15 CE: 616-010-00-9

SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
152323.1208	100 g	6
152323.1211	1000 g	6

Chloramphenicol (RFE, BP, Ph. Eur.) PRS-CODEX

$C_{11}H_{12}Cl_2N_2O_5$

M: 323,13 CAS: 56-75-7 EINECS: 200-287-4 NC: 2941 40 00
SPECIFICATIONS:
Assay (UV) calc. a.d.s 98,0-102,0%
Identity according to Pharmacopoeias ..... p/t.
Melting range ..... 149-153°C
Specific rotation $[\alpha]^{20}$/D c=6 (in C_2H_5OH) ..... +18,5 to+20,5°

MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 105°C ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,1 %
Related substances ..... p/t.
Acidity or alkalinity ..... p/t.
Chloride (Cl) ..... 0,01 %

Order code	Package	Units/Box st.
143481.1606	25 g	6
143481.1608	100 g	6
143481.1610	500 g	6

Chlorbutol

(see 1,1,1-Trichloro-2-Methyl-2-Propanol 1/2-hydrate)

5-Chlorcarvacrol, 97% PS

$C_{10}H_{13}ClO$

M: 184,67 CAS: 5665-94-1 EINECS: 227-122-9 NC: 2908 19 00
HAZARDOUS:

Xi

R: 38 S: 24/25

SPECIFICATIONS:
Assay (G.C.) ..... 97 %
Identity ..... IR p/t.
Heavy metals (as Pb) ..... 20 ppm
Residue on ignition (as SO_4) ..... 0,2 %

Order code	Package	Units/Box st.
153856.1610	500 g	6

CHLORIDE SOLUTIONS

(see Standards for ICP and Ionic Chromatography)

Chlorine Iodide

(see Iodine mono-Chloride)

Chloroacetic Anhydride, 97% PS

$C_4H_4Cl_2O_3$

M: 170,98 CAS: 541-88-8 EINECS: 208-794-2 NC: 2915 29 00 UN: 1759
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

T

R: 23/24/25-35 S: 22-36/37/39

SPECIFICATIONS:
Minimum assay ..... 97 %

Order code	Package	Units/Box st.
15A148.1606	25 g	6

4-Chloroacetoacetic Acid Ethyl Ester

(see Ethyl 4-Chloroacetoacetate)

5-Chloroanthranilic Acid

(see 2-Amino-5-Chlorobenzoic Acid)

2-Chlorobenzaldehyde, 99% PS

C_7H_5ClO

M: 140,57 CAS: 89-98-5 EINECS: 201-956-3 NC: 2913 00 00 UN: 3265
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C

R: 34 S: 26-45
1l~1,249kg 1kg~0,801l

SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B291.1609	250 ml	6
15B291.1611	1000 ml	6

PAI
UV-IR-HPLC

Disolventes para HPLC y espectroscopia
Solvents for HPLC and spectroscopy
Solvants pour HPLC et spectroscopie

3-Chlorobenzaldehyde, 99% PS

C_7H_5ClO

M: 140,57 CAS: 587-04-2 EINECS: 209-596-9 NC: 2913 00 00

HAZARDOUS:

Xi

R: 36/37/38 S: 26-37/39

1l~1,241kg 1kg~0,806l

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B292.1606	25 ml	6
15B292.1608	100 ml	6

mono-Chlorobenzene

(see Chlorobenzene)

Chlorobenzene dry (max. 0,01% water) DS-ACS

C_6H_5Cl

M: 112,56 CAS: 108-90-7 EINECS: 203-628-5 NC: 2903 61 00 UN: 1134

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xn N

R: 10-20-51/53 S: 24/25-61 CE: 602-033-00-1

1l~1,108kg 1kg~0,903l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 1,106-1,110

MAXIMUM LIMIT OF IMPURITIES

APHA colour 30
Non-volatile matter ..... 0,002 %
Benzene (G.C.) ..... 0,01 %
Darkened substances by H_2SO_4 ..... p/t.
Sulphur compounds (as CS_2) ..... 0,0003 %
Acidity ..... 0,004 meq/g
Water (H_2O) ..... 0,01 %
Thiophene (C_4H_4S) ..... 0,0002 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	Sb	0,02
Au	0,05	Hg	0,05	Si	0,2
B	0,02	In	0,05	Sn	0,1
Ba	0,1	K	0,1	Sr	0,2
Be	0,02	Li	0,05	Ti	0,02
Bi	0,05	Mg	0,1	Tl	0,02
Ca	0,5	Mn	0,02	V	0,02
Cd	0,05	Mo	0,02	Zn	0,1
Co	0,02	Na	0,5	Zr	0,02
Cr	0,02	Ni	0,02		
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
481953.1611	1000 ml	6

Chlorobenzene (Reag. USP) PA-ACS

C_6H_5Cl

M: 112,56 CAS: 108-90-7 EINECS: 203-628-5 NC: 2903 61 00 UN: 1134

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xn N

R: 10-20-51/53 S: 24/25-61 CE: 602-033-00-1

1l~1,108kg 1kg~0,903l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/20 1,100-1,111
Boiling range (>95% dist.) ..... 129-131°C

MAXIMUM LIMIT OF IMPURITIES

APHA colour 30
Non-volatile matter ..... 0,002 %
Benzene (G.C.) ..... 0,01 %
1,2-Dichlorobenzene (G.C.) ..... 0,02 %
1,3-Dichlorobenzene (G.C.) ..... 0,02 %
1,4-Dichlorobenzene (G.C.) ..... 0,02 %
Darkened substances by H_2SO_4 ..... p/t.
Sulphur compounds (as CS_2) ..... 0,0003 %
Acidity ..... 0,004 meq/g
Water (H_2O) ..... 0,1 %
Thiophene (C_4H_4S) ..... 0,0002 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	Sb	0,02
Au	0,05	Hg	0,05	Si	0,2
B	0,02	In	0,05	Sn	0,1
Ba	0,1	K	0,1	Sr	0,2
Be	0,02	Li	0,05	Ti	0,02
Bi	0,05	Mg	0,1	Tl	0,02
Ca	0,5	Mn	0,02	V	0,02
Cd	0,05	Mo	0,02	Zn	0,1
Co	0,02	Na	0,5	Zr	0,02
Cr	0,02	Ni	0,02		
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131953.1611	1000 ml	6
131953.1612	2,5 l	4
131953.1214	5 l	4
131953.0716	25 l	

Chlorobenzene PRS

C_6H_5Cl

M: 112,56 CAS: 108-90-7 EINECS: 203-628-5 NC: 2903 61 00 UN: 1134

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xn N

R: 10-20-51/53 S: 24/25-61 CE: 602-033-00-1

1l~1,108kg 1kg~0,903l

SPECIFICATIONS:

Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,106-1,110
Non-volatile matter ..... 0,005 %
Benzene (G.C.) ..... 0,05 %
1,2-Dichlorobenzene (G.C.) ..... 0,05 %
1,3-Dichlorobenzene (G.C.) ..... 0,05 %
1,4-Dichlorobenzene (G.C.) ..... 0,05 %
Sulphur compounds (as CS_2) ..... 0,001 %
Acidity ..... 0,01 meq/g
Water (H_2O) ..... 0,2 %
Thiophene (C_4H_4S) ..... 0,001 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141953.1611	1000 ml	6
141953.1612	2,5 l	4
141953.1214	5 l	4
141953.0716	25 l	

VINIKIT
Análisis de vinos
Wine analysis
Analyse des vins

Chlorobenzene, 99,5% PS

C_6H_5Cl

M: 112,56 CAS: 108-90-7 EINECS: 203-628-5 NC: 2903 61 00 UN: 1134
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn N **R: 10-20-51/53 S: 24/25-61 CE: 602-033-00-1**

1l~1,108kg 1kg~0,903l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 1,106-1,110
Non-volatile matter ..... 0,002 %
Acidity (as HCl) ..... 0,01 %
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
161953.1611	1000 ml	6
161953.1214	5 l	4
161953.0716	25 l	

4-Chlorobenzenesulfonyl Chloride, 97% PS

$C_6H_4Cl_2O_2S$

M: 211,07 CAS: 98-60-2 EINECS: 202-685-3 NC: 2904 90 20 UN: 3261
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C **R: 34 S: 26-36/37/39-45**

SPECIFICATIONS:
Assay ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B634.1608	100 g	6
15B634.1610	500 g	6

4-Chlorobenzophenone, 99% PS

$C_{13}H_9ClO$

M: 216,67 CAS: 134-85-0 EINECS: 205-160-7 NC: 2914 39 00
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.
Melting range ..... 75,5-77°C

Order code	Package	Units/Box st.
15B635.1208	100 g	6
15B635.1210	500 g	6

5-Chloro-2-Benzoxazolone, 98% PS

$C_7H_4ClNO_2$

M: 169,57 CAS: 95-25-0 EINECS: 202-403-9 NC: 2934 99 90
HAZARDOUS:

T Xi **R: 23/24/25-36/37/38 S: 24/25-36**

SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B656.1606	25 g	6
15B656.1608	100 g	6

2-Chlorobenzoyl Chloride, 98% PS

$C_7H_4Cl_2O$

M: 175,02 CAS: 609-65-4 EINECS: 210-194-0 NC: 2916 39 00 UN: 3265
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:

C **R: 34-37 S: 26-36/37/39-45**

1l~1,382kg 1kg~0,724l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B374.1608	100 ml	6
15B374.1610	500 ml	6

3-Chlorobenzoyl Chloride, 98% PS

$C_7H_4Cl_2O$

M: 175,01 CAS: 618-46-2 EINECS: 210-552-6 NC: 2916 39 00 UN: 3265
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:

C **R: 34 S: 26-36/37/39-45**

1l~1,367kg 1kg~0,732l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B375.1606	25 ml	6
15B375.1608	100 ml	6

2-Chlorobenzyl Alcohol, 99% PS

C_7H_7ClO

M: 142,59 CAS: 17849-38-6 EINECS: 241-801-7 NC: 2906 29 00
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C033.1205	10 g	6
15C033.1207	50 g	6

4-Chlorobenzyl Alcohol, 98% PS

C_7H_7ClO

M: 142,58 CAS: 873-76-7 EINECS: 212-852-2 NC: 2906 29 00
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A146.1606	25 g	6
15A146.1608	100 g	6

2-Chlorobenzylamine, 97% PS

C_7H_8ClN

M: 141,60 CAS: 89-97-4 EINECS: 201-955-8 NC: 2921 49 80 UN: 2735
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:

C **R: 34 S: 25-36/37/39-45**

1l~1,170kg 1kg~0,855l
SPECIFICATIONS:
Assay ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B392.1606	25 ml	6
15B392.1608	100 ml	6

3-Chlorobenzylamine, 98% PS

C_7H_8ClN

M: 141,60 CAS: 4152-90-3 EINECS: 223-985-0 NC: 2921 49 80 UN: 2735
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:

C **R: 34 S: 23c-26-36/37/39-45**

1l~1,159kg 1kg ~0,863l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B393.1604	5 ml	6
15B393.1606	25 ml	6

4-Chlorobenzylamine, 98% PS

C_7H_8ClN

M: 141,60 CAS: 104-86-9 EINECS: 203-245-3 NC: 2921 49 80 UN: 2735
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:

C **R: 34 S: 23c-26-36/37/39-45**

1l~1,160kg 1kg ~0,862l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B394.1604	5 ml	6
15B394.1606	25 ml	6

SV

Soluciones valoradas
Volumetric solutions
Solutions volumétriques

1-Chlorobutane (UV-IR-HPLC) PAI

C_4H_9Cl

M: 92,57 CAS: 109-69-3 EINECS: 203-696-6 NC: 2903 19 80 UN: 1127
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F **R: 11 S: 9-16-29 CE: 602-059-00-3**
1l~0,886kg 1kg~1,128l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,8 %
Density at 20/4 0,885-0,887
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non volatile matter ..... 0,0002 %
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,01 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	220 (Cut off)	227	232	250	260-400
A (AU)	1,000	0,222	0,097	0,009	0,004
T (%)	10	60	80	98	99

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 1,0
Eluotropic value ε°(Al_2O_3) 0,26
P' + 0,25 E 2,8
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
364343.1611	1000 ml	6
364343.1612	2,5 l	4

1-Chlorobutane (Reag. USP) PA

C_4H_9Cl

M: 92,57 CAS: 109-69-3 EINECS: 203-696-6 NC: 2903 19 80 UN: 1127
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F **R: 11 S: 9-16-29 CE: 602-059-00-3**
1l~0,886kg 1kg~1,128l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,885-0,887
Boiling range ..... 76-80°C
Refractive index n 20/D 1,4015-1,4035
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non volatile matter ..... 0,001 %
Sulphur compounds (as S) ..... 0,002 %
Acidity ..... 0,0005 meq/g
Water (H_2O) ..... 0,01 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

Order code	Package	Units/Box st.
124343.1611	1000 ml	6

1-Chlorobutane, 99% PS

C_4H_9Cl

M: 92,57 CAS: 109-69-3 EINECS: 203-696-6 NC: 2903 19 80 UN: 1127
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F **R: 11 S: 9-16-29 CE: 602-059-00-3**
1l~0,886kg 1kg~1,128l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,885-0,887
Non-volatile matter ..... 0,01 %
Acidity (as HCl) ..... 0,002 %

Order code	Package	Units/Box st.
164343.1611	1000 ml	6
164343.1714	5 l	4
164343.0616	25 l	

2-Chlorocinnamic Acid, 99% PS

$C_9H_7ClO_2$

M: 182,61 CAS: 3752-25-8 EINECS: 223-154-2 NC: 2916 39 00
HAZARDOUS:

Xn **R: 20/21/22 S: 24/25-36**
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C136.1606	25 g	6
15C136.1608	100 g	6

3-Chlorocinnamic Acid, 99% PS

$C_9H_7ClO_2$

M: 182,61 CAS: 1866-38-2 EINECS: 217-478-3 NC: 2916 39 00
HAZARDOUS:

Xi **R: 36/38 S: 24/25**
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C141.1604	5 g	6
15C141.1606	25 g	6

4-Chlorocinnamic Acid, 99% PS

$C_9H_7ClO_2$

M: 182,61 CAS: 1615-02-7 EINECS: 216-564-8 NC: 2903 69 90
HAZARDOUS:

Xn **R: 22 S: 28a**
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.
Melting range ..... 249,0-250,0°C

Order code	Package	Units/Box st.
15A337.1606	25 g	6
15A337.1608	100 g	6

Chlorocresol

(see 4-Chloro-3-Methylphenol)

4-Chloro-m-Cresol

(see 4-Chloro-3-Methylphenol)

Chlorocyclopentane, 98% PS

C_5H_9Cl

M: 104,58 CAS: 930-28-9 EINECS: 213-212-5 NC: 2903 59 80 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F **R: 11-38 S: 9-16-33-37**
1l~1,005kg 1kg~0,995l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,003-1,008
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
15A751.1608	100 ml	6
15A751.1610	500 ml	6

1-Chloro-2,4-Dinitrobenzene PA

$(NO_2)_2C_6H_3Cl$

M: 202,55 CAS: 97-00-7 EINECS: 202-551-4 NC: 2904 90 85 UN: 3441
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T N **R: 23/24/25-33-50/53 S: 28a-36/37-45-60-61**
CE: 610-003-00-4
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Melting range ..... 49-51°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in C_2H_5OH ..... p/t.
Residue on ignition (as SO_4) ..... 0,01 %
Water (H_2O) ..... 0,1 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
122442.1608	100 g	6

1-Chloro-2,4-Dinitrobenzene, 98% PS

$(NO_2)_2C_6H_3Cl$

M: 202,55 CAS: 97-00-7 EINECS: 202-551-4 NC: 2904 90 85 UN: 3441
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T N **R: 23/24/25-33-50/53 S: 28a-36/37-45-60-61**
CE: 610-003-00-4
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 47-50°C
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
162442.1608	100 g	6
162442.1610	500 g	6

4-Chloro-1,3-Dinitrobenzene

(see 1-Chloro-2,4-Dinitrobenzene)

4-Chloro-3,5-Dinitrobenzoic Acid, 99% PS

$C_7H_3ClN_2O_6$

M: 246,56 CAS: 118-97-8 EINECS: 204-290-1 NC: 2916 39 00
HAZARDOUS:

Xi **R: 36/37/38 S: 22-24/25-37/39**
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.
Melting range ..... 159-162°C

Order code	Package	Units/Box st.
15B633.1606	25 g	6
15B633.1608	100 g	6

1-Chloro-2,3-Epoxypropane

(see Epichlorohydrin)

2-Chloroethanol, 99% PS

$ClCH_2CH_2OH$

M: 80,51 CAS: 107-07-3 EINECS: 203-459-7 NC: 2905 59 10 UN: 1135
IMDG: 6.1/I ADR: 6.1/I IATA: 6.1/- PAX: P CAO: P
HAZARDOUS:

T+ **R: 26/27/28 S: 7/9-28a-45 CE: 603-028-00-7**
1l~1,200kg 1kg~0,833l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,197-1,202
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
15A628.1609	250 ml	6

1-Chloro-4-Ethenylbenzene

(see 4-Chlorostyrene)

3-Chloro-4-Fluoroaniline, 98% PS

C_6H_5ClFN

M: 145,56 CAS: 367-21-5 EINECS: 206-682-8 NC: 2921 42 10
HAZARDOUS:

Xn **R: 22 S: 22-24/25**
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B611.1606	25 g	6
15B611.1608	100 g	6

2-Chloro-4-Fluorobenzaldehyde, 97% PS

C_7H_4ClFO

M: 158,55 CAS: 84194-36-5 NC: 2913 00 00
HAZARDOUS:

Xi **R: 36/37/38 S: 26-37/39**
Assay ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C034.1603	1 g	6
15C034.1604	5 g	6

4-Chloro-2-Fluorobenzaldehyde, 99% PS

C_7H_4ClFO

M: 158,55 CAS: 61072-56-8 NC: 2913 00 00
HAZARDOUS:

Xi **R: 36/37/38 S: 26-37/39**
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C083.1604	5 g	6
15C083.1606	25 g	6

α-Chloro-2-Fluorotoluene

(see 2-Fluorobenzyl Chloride)

α-Chloro-3-Fluorotoluene

(see 3-Fluorobenzyl Chloride)

α-Chloro-4-Fluorotoluene

(see 4-Fluorobenzyl Chloride)

Chloroform

(see Trichloromethane)

6-Chloroguanine

(see 2-Amino-6-Chloropurine)

5-Chloro-2-Hydroxybenzoxazole

(see 5-Chloro-2-Benzoxazolone)

4-Chloro-5-Isopropyl-2-Methylphenol

(see 5-Chlorcarvacrol)

4-Chloro-2-Methyl-5-(1-Methylethyl) Phenol

(see 5-Chlorcarvacrol)

4-Chloro-3-Methylphenol (USP-NF, BP, Ph. Eur.) PRS-CODEX

C_7H_7ClO

M: 142,58 CAS: 59-50-7 EINECS: 200-431-6 NC: 2907 19 90 UN: 3437
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

Xn N **R: 21/22-41-43-50 S: 26-36/37/39-61 CE: 604-014-00-3**
SPECIFICATIONS:
Assay ..... 99,0-101,0 %
Identity according to Pharmacopoeias ..... p/t.
Melting range ..... 64-66°C
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in CH_3CH_2OH ..... p/t.
Non-volatile matter ..... 0,1 %
Acidity ..... p/t.
Related substances ..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
145226.1211	1000 g	6

4-Chloro-3-Methylphenol, 99% PS

C_7H_7ClO

M: 142,58 CAS: 59-50-7 EINECS: 200-431-6 NC: 2907 19 90 UN: 3437
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

Xn N **R: 21/22-41-43-50 S: 26-36/37/39-61 CE: 604-014-00-3**
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 64-66°C

Order code	Package	Units/Box st.
165226.1209	250 g	6
165226.1211	1000 g	6

1-Chloronaphthalene, 93% PS

$C_{10}H_7Cl$

M: 162,62 CAS: 90-13-1 EINECS: 201-967-3 NC: 2903 69 90
HAZARDOUS:

Xn **R: 22**
1l~1,194kg 1kg~0,837l
SPECIFICATIONS:
Minimum assay ..... 93 %

Order code	Package	Units/Box st.
15A059.1609	250 ml	6
15A059.1611	1000 ml	6

2-Chlorophenol PA

ClC_6H_4OH

M: 128,56 CAS: 95-57-8 EINECS: 202-433-2 NC: 2908 19 00 UN: 2021
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:

Xn **R: 20/21/22 S: 28a CE: 604-008-00-0**
1l~1,261kg 1kg~0,793l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 1,258-1,262
Freezing range ..... 8-9°C
MAXIMUM LIMIT OF IMPURITIES
Residue on ignition (as SO_4) ..... 0,01 %
3-Chlorophenol (G.C.) ..... 0,1 %
4-Chlorophenol (G.C.) ..... 0,1 %
Chloride (Cl) ..... 0,001 %
Water (H_2O) ..... 0,05 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

Order code	Package	Units/Box st.
122445.1611	1000 ml	6

2-Chlorophenol, 99% PS

ClC_6H_4OH

M: 128,56 CAS: 95-57-8 EINECS: 202-433-2 NC: 2908 19 00 UN: 2021
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:

Xn **R: 20/21/22 S: 28a CE: 604-008-00-0**
1l~1,261kg 1kg~0,793l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,258-1,262
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
162445.1610	500 ml	6
162445.1611	1000 ml	6

3-Chlorophenol, 98% PS

C_6H_5ClO

M: 128,56 CAS: 108-43-0 EINECS: 203-582-6 NC: 2908 19 00 UN: 2020
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn N **R: 20/21/22-51/53 S: 28a-61 CE: 604-008-00-0**
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B278.1608	100 g	6

Chlorophenol Red PA

pH indicator 4,6 yellow; 7,0 purple
$C_{19}H_{12}Cl_2O_5S$

M: 423,27 CAS: 4430-20-0 EINECS: 224-619-2 NC: 2932 29 85
SPECIFICATIONS:
Identity ..... IR p/t.
λ of max. ABS in NaOH 0,1 mol/l ..... 572-575 nm
A 1%, 1cm, λmax ..... >1250
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
pH transition interval:
yellow 4,6
purple 7,0
Insoluble matter in C_2H_5OH ..... p/t.
Loss on drying at 135°C ..... 8 %
Residue on ignition (as SO_4) ..... 0,5 %

Order code	Package	Units/Box st.
121609.1604	5 g	6

4-Chlorophenylhydrazinium Chloride, 98% PS

$C_6H_7ClN_2.HCl$

M: 179,05 CAS: 1073-70-7 EINECS: 214-030-9 NC: 2928 00 90 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T N **R: 45-E23/24/25-43-50/53 S: 45-53-60-61 CE: 007-014-00-6**
SPECIFICATIONS:
Minimum asssay ..... 98 %

Order code	Package	Units/Box st.
15A347.1604	5 g	6
15A347.1606	25 g	6

Chloroplatinic Acid

(see Hexachloroplatinic(IV) Acid)

N-(2-Chloropropyl)-N,N-Dimethylammonium Chloride

(see 2-(Dimethylamino) Isopropyl Chloride Hydrochloride)

4-Chlorostyrene, 98% PS

C_8H_7Cl

M: 138,60 CAS: 1073-67-2 EINECS: 214-028-8 NC: 2903 69 90
1l~1,089kg 1kg~0,918l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B996.1605	10 ml	6
15B996.1607	50 ml	6

Chlorosulphonic Acid, 98% PS

$HClO_3S$

M: 116,52 CAS: 7790-94-5 EINECS: 232-234-6 NC: 2806 20 00 UN: 1754
IMDG: 8/I ADR: 8/I IATA: 8/- PAX: P CAO: P
HAZARDOUS:

C **R: 14-35-37 S: 26-45 CE: 016-017-00-1**
1l~1,75kg 1kg~0,57l
SPECIFICATIONS:
Minimum assay (Acidim.) ..... 98 %
Density at 20/4 1,749-1,753

Order code	Package	Units/Box st.
15A676.1609	250 ml	6
15A676.1611	1000 ml	6

α-Chlorotoluene

(see Benzyl Chloride)

N-Chlorotoluene-4-Sulphonamide Sodium Salt

(see Chloramine T 3-hydrate)

Chlorotriisopropylsilane, 97% PS

$C_9H_{21}ClSi$

M: 192,80 CAS: 13154-24-0 NC: 2931 00 95 UN: 2987
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C **R: 34 S: 26-36/37/39-45**
1l~0,9kg 1kg~1,1l
SPECIFICATIONS:
Minimum assay ..... 97 %

Order code	Package	Units/Box st.
15A106.1604	5 ml	6
15A106.1606	25 ml	6

Chlorotrimethylsilane CG

for derivatization (GC)
$(CH_3)_3SiCl$

M: 108,64 CAS: 75-77-4 EINECS: 200-900-5 NC: 2931 00 95 UN: 1298
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 306 CAO: 304
HAZARDOUS:

F C **R: 11-14-35-37 S: 16-26-29-36/37/39-45**
1l~0,860kg 1kg~1,163l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Product bottled under nitrogen atmosphere.

Order code	Package	Units/Box st.
352776.0207	50 ml	6

Chlorotrimethylsilane, 98% PS

$(CH_3)_3SiCl$

M: 108,64 CAS: 75-77-4 EINECS: 200-900-5 NC: 2931 00 95 UN: 1298
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 306 CAO: 304
HAZARDOUS:

F C **R: 11-14-35-37 S: 16-26-29-36/37/39-45**

1l~0,860kg 1kg~1,163l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,855-0,861

Order code	Package	Units/Box st.
162776.1608	100 ml	6
162776.1610	500 ml	6

Chlorzoxazone

(see 5-Chloro-2-Benzoxazolone)

Cholesterin

(see Cholesterol)

Cholesterol PB

for standards
$C_{27}H_{46}O$

M: 386,67 CAS: 57-88-5 EINECS: 200-353-2 NC: 2906 13 10

SPECIFICATIONS:

Minimum assay (G.C.) ..... 95,0 %
Identity ..... IR p/t.
Melting range ..... 147-150°C
Specific rotation $[\alpha]^{20}/D$ c=2 (in $CHCl_3$) ..... -35 to -40°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in C_2H_5OH ..... p/t.
Loss on drying at 60°C ..... 0,3 %
Residue on ignition ..... 0,05 %
Acidity ..... p/t.
Fe ..... 0,002 %

Order code	Package	Units/Box st.
371274.1606	25 g	6
371274.1608	100 g	6

Cholic Acid Sodium Salt, 98% PS

$C_{24}H_{39}NaO_5$

M: 430,56 CAS: 361-09-1 EINECS: 206-643-5 NC: 2918 19 30

SPECIFICATIONS:

Assay (a.d.s.) ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C073.1204	5 g	6
15C073.1206	25 g	6

CHROMATE SOLUTION

(see Standards for Ionic Chromatography)

Chrome Alum

(see Chromium(III) Potassium Sulphate 12-hydrate)

Chromic

(see Chromium(III) compounds)

Chromic Acid

(see Chromium(VI) Oxide)

Chromic Anhydride

(see Chromium(VI) Oxide)

Chromic Mixture

(see DERQUIM MC Chromic Mixture)

Chromic Mixture, Substitute of

[see DERQUIM OXY (Substitute of Chromic Mixture)]

CHROMIUM SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Chromium(III) Chloride 6-hydrate PRS

$CrCl_3.6H_2O$

M: 266,45 CAS: 10060-12-5 EINECS: 233-038-3 NC: 2827 39 85
HAZARDOUS:

Xn **R: 22 S: 24/25**

SPECIFICATIONS:

Assay (Iodom.) ..... 95,0 %
pH of 5% solution 2,0-3,5
Non-precipitated substances by NH_4OH (as SO_4) ..... 0,2 %
Sulphate (SO_4) ..... 0,02 %
Ammonium (NH_4) ..... 0,01 %
Fe ..... 0,01 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
142014.1609	250 g	6
142014.1611	1000 g	6
142014.0416	25 kg	

Chromium(III) Nitrate 9-hydrate PA

$Cr(NO_3)_3.9H_2O$

M: 400,15 CAS: 7789-02-8 EINECS: 236-921-1 NC: 2834 29 80 UN: 2720
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518
HAZARDOUS:

O **R: 8 S: 26-36/37/39-45**

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 98,0 %
pH of 5% solution 2,0-3,0

MAXIMUM LIMIT OF IMPURITIES

Non precipi.substances by NH_4OH (as SO_4) ..... 0,2 %
Chloride (Cl) ..... 0,002 %
Sulphate (SO_4) ..... 0,005 %
Ammonium (NH_4) ..... 0,001 %
Ca ..... 0,005 %
Cd ..... 0,001 %
Co ..... 0,001 %
Cu ..... 0,001 %
Fe ..... 0,02 %
Mg ..... 0,005 %
Mn ..... 0,001 %
Na ..... 0,01 %
Ni ..... 0,005 %
Pb ..... 0,002 %
Sr ..... 0,005 %
Zn ..... 0,001 %

Order code	Package	Units/Box st.
121275.1210	500 g	6
121275.1211	1000 g	6
121275.1214	5 kg	4
121275.0416	25 kg	

Chromium(III) Nitrate 9-hydrate PRS

$Cr(NO_3)_3.9H_2O$

M: 400,15 CAS: 7789-02-8 EINECS: 236-921-1 NC: 2834 29 80 UN: 2720
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518
HAZARDOUS:

O **R: 8 S: 26-36/37/39-45**

SPECIFICATIONS:

Assay (Iodom.) ..... 97 %
pH of 5% solution 2,0-3,0
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,05 %
Ammonium (NH_4) ..... 0,01 %
Fe ..... 0,05 %

Order code	Package	Units/Box st.
141275.1210	500 g	6
141275.1211	1000 g	6
141275.1214	5 kg	4
141275.0416	25 kg	

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Chromium(VI) Oxide (Reag. Ph. Eur.) PA

CrO_3

M: 99,99 CAS: 1333-82-0 EINECS: 215-607-8 NC: 2819 10 00 UN: 1463
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

O T+ N

R: 45-46-9-E24/25-E26-35-42/43-E48/23-62-50/53
S: 53-45-60-61 CE: 024-001-00-0

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 98,5 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Precipitated substances by NH_4OH ..... 0,05 %
Nitrogen compounds (as N) ..... 0,005 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,05 %
Al ..... 0,005 %
Ba ..... 0,005 %
Ca ..... 0,005 %
Cd ..... 0,005 %
Cu ..... 0,005 %
Fe ..... 0,01 %
K ..... 0,005 %
Na ..... 0,2 %
Pb ..... 0,005 %
Zn ..... 0,005 %

Order code	Package	Units/Box st.
121153.1610	500 g	6
121153.1611	1000 g	6

Chromium(VI) Oxide QP

CrO_3

M: 99,99 CAS: 1333-82-0 EINECS: 215-607-8 NC: 2819 10 00 UN: 1463
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

O T+ N

R: 45-46-9-E24/25-E26-35-42/43-E48/23-62-50/53
S: 53-45-60-61 CE: 024-001-00-0

SPECIFICATIONS:

Assay (Iodom.) ..... 99 %
Insoluble matter in H_2O ..... 0,1 %
Chloride (Cl) ..... 0,05 %
Ca ..... 0,02 %
Fe ..... 0,05 %

Order code	Package	Units/Box st.
211153.1610	500 g	6
211153.1611	1000 g	6

Chromium(III) Potassium Sulphate 12-hydrate (Reag. Ph. Eur.) PA-ACS

$KCr(SO_4)_2.12H_2O$

M: 499,41 CAS: 7788-99-0 EINECS: 233-401-6 NC: 2833 30 00

SPECIFICATIONS:

Assay (Iodom.) 98,0-102,0%
pH of 5% solution 2,8-4,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,002 %
Ammonium (NH_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,01 %
Al ..... 0,005 %
Ca ..... 0,005 %
Cd ..... 0,005 %
Co ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,01 %
Na ..... 0,05 %
Ni ..... 0,005 %
Pb ..... 0,005 %
Zn ..... 0,005 %

Order code	Package	Units/Box st.
131284.1210	500 g	6
131284.1211	1000 g	6
131284.1214	5 kg	4
131284.0416	25 kg	

Chromium(III) Potassium Sulphate 12-hydrate PRS

$KCr(SO_4)_2.12H_2O$

M: 499,41 CAS: 7788-99-0 EINECS: 233-401-6 NC: 2833 30 00

SPECIFICATIONS:

Assay (Iodom.) ..... 98 %
pH of 5% solution ..... >2,5
Insoluble matter in H_2O ..... 0,025 %
Chloride (Cl) ..... 0,1 %
Ammonium (NH_4) ..... 0,03 %
Al ..... 0,02 %
Cu ..... 0,005 %
Fe ..... 0,02 %
Ni ..... 0,01 %
Pb ..... 0,01 %

Order code	Package	Units/Box st.
141284.1210	500 g	6
141284.1211	1000 g	6
141284.1214	5 kg	4

Chromium(III) Sulphate x-hydrate PRS

$Cr_2(SO_4)_3.xH_2O$

M: 392,18(anh) CAS: 15244-38-9 NC: 2833 29 20 UN: 3260
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816

HAZARDOUS:

C

R: 34-20/21/22 S: 26-28a-27-36/37/39

SPECIFICATIONS:

Assay [as $Cr_2(SO_4)_3$](Iodom.) ..... 75 %
pH of 5% solution 1-2
Chloride (Cl) ..... 0,05 %
Ammonium (NH_4) ..... 0,01 %
Fe ..... 0,1 %

141926.1210	500 g	6
141926.1211	1000 g	6

Chromium Trioxide

(see Chromium(VI) Oxide)

Chromotropic Acid Disodium Salt 2-hydrate (Reag. Ph. Eur.) PA-ACS

aldehyde reagent
$C_{10}H_6Na_2O_8S_2.2H_2O$

M: 400,29 CAS: 5808-22-0 EINECS: 204-972-9 NC: 2908 19 00

SPECIFICATIONS:

Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... p/t.
Sensitivity to HCHO ..... p/t.
Sensitivity to nitrates ..... p/t.

Order code	Package	Units/Box st.
131024.1606	25 g	6

C.I. Basic Blue 9

(see Methylene Blue)

C.I. Basic Blue 12

(see Nile Blue A Chloride)

Cinchonine (Reag. USP, Ph. Eur.) PA

Bi reagent
$C_{19}H_{22}N_2O$

M: 294,40 CAS: 118-10-5 EINECS: 204-234-6 NC: 2939 20 00

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99,0 %
Identity ..... IR p/t.
Specific rotation $[\alpha]^{25}/D$ c=0,5 (in CH_3CH_2OH) ..... +219 to +229°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2SO_4 ..... p/t.
Loss on drying at 105°C ..... 1,0 %
Residue on ignition (as SO_4) ..... 0,1 %
Cinchonidine and quinine ..... p/t.
Chloride (Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,05 %

Order code	Package	Units/Box st.
121251.1605	10 g	6

Cineole

(see Eucalyptol)

Para bioquímica
For biochemistry
Pour biochimie

PB

Reactivos sometidos a ensayos adicionales que los hacen aptos para su uso en técnicas bioquímicas.
Chemicals assayed with additional tests which guarantees their aptitude for biochemical techniques.
Réactifs testés et aptes pour utilisation en biochimie.

Cinnamaldehyde, 98% PS

C_9H_8O

M: 132,16 CAS: 104-55-2 EINECS: 203-213-9 NC: 2912 29 00

HAZARDOUS:

Xn

R: 21-38-43 S: 28a-36/37

1l~1,045kg 1kg~0,957l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,040-1,050

Order code	Package	Units/Box st.
15A749.1609	250 ml	6
15A749.1611	1000 ml	6

Cinnamic Aldehyde

(see Cinnamaldehyde)

Citrazinic Acid, 97% PS

$C_6H_5NO_4$

M: 155,11 CAS: 99-11-6 EINECS: 202-731-2 NC: 2933 39 99

HAZARDOUS:

Xi

R: 36/37/38 S: 26-36

SPECIFICATIONS:

Minimum assay ..... 97 %

Order code	Package	Units/Box st.
15A029.1608	100 g	6

Citric Acid anhydrous PA-ACS

$C_6H_8O_7$

M: 192,13 CAS: 77-92-9 EINECS: 201-069-1 NC: 2918 14 00

HAZARDOUS:

Xi

R: 36 S: 24/25

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99,5 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Residue on ignition (as SO_4) ..... 0,02 %
Darkened substances by H_2SO_4 ..... p/t.
Chloride (Cl) ..... 0,001 %
Phosphate (PO_4) ..... 0,001 %
Oxalate (C_2O_4) ..... 0,05 %
Sulphur compounds (as SO_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00001 %
Ca ..... 0,0025 %
Cu ..... 0,00005 %
Fe ..... 0,0003 %
Mg ..... 0,0005 %
Ni ..... 0,0002 %
Pb ..... 0,0002 %

Order code	Package	Units/Box st.
131808.1210	500 g	6
131808.1211	1000 g	6
131808.1214	5 kg	4
131808.0416	25 kg	

Citric Acid anhydrous (RFE, USP, BP, Ph. Eur., JP) PRS-CODEX

$C_6H_8O_7$

M: 192,13 CAS: 77-92-9 EINECS: 201-069-1 NC: 2918 14 00

HAZARDOUS:

Xi

R: 36 S: 24/25

SPECIFICATIONS:

Assay (Acidim.) calc. a.d.s. 99,5-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Colour of solution ..... p/t.
Insoluble matter in H_2O ..... 0,01 %
Residue on ignition (as SO_4) ..... 0,05 %
Residual solvents (Ph.Eur./USP) ..... p/t
Darkened substances by H_2SO_4 ..... p/t.
Chloride (Cl) ..... 0,005 %
Oxalate (C_2O_4) ..... 0,035 %
Sulphate (SO_4) ..... 0,01 %
Water (H_2O) ..... 0,5 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Ba ..... p/t.
Ca ..... 0,02 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Mg ..... 0,005 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141808.1210	500 g	6
141808.1211	1000 g	6
141808.1214	5 kg	4
141808.0416	25 kg	

Citric Acid anhydrous (E-330, F.C.C.) ADITIO

$C_6H_8O_7$

M: 192,13 CAS: 77-92-9 EINECS: 201-069-1 NC: 2918 14 00

HAZARDOUS:

Xi

R: 36 S: 24/25

SPECIFICATIONS:

Assay (as $C_6H_8O_7$) calc. a.a.s. 99,5-100,5%
Oxalate (as $H_2C_2O_4$), not more than ..... 100 ppm
Easily carbonizable substances ..... p/t.
Residue on ignition, not more than ..... 0,05 %
Tridodecylamine, not more than ..... 0,1 ppm
ABS (Easily carbon. subst.) λ470 nm, not more than 0,52
ABS (Polynuc.Hydroc.) λ280-289 nm, not more than 0,25
ABS (Polynuc.Hydroc.) λ290-299 nm, not more than 0,20
ABS (Polynuc.Hydroc.) λ300-359 nm, not more than 0,13
ABS (Polynuc.Hydroc.)λ360-400 nm, not more than 0,03
Water, not more than ..... 0,5 %
Lead, not more than ..... 0,5 ppm
Heavy metals (as Pb), not more than ..... 5 ppm
Arsenic (as As), not more than ..... 1 ppm
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/EC , F.C.C. 6

Order code	Package	Units/Box st.
201808.1214	5 kg	4
201808.0416	25 kg	

Citric Acid anhydrous, 99% PS

$C_6H_8O_7$

M: 192,13 CAS: 77-92-9 EINECS: 201-069-1 NC: 2918 14 00

HAZARDOUS:

Xi

R: 36 S: 24/25

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
151808.1208	100 g	6
151808.1211	1000 g	6

PA

PA-ACS-ISO

Reactivos para análisis
Analytical Reagents
Réactifs pour analyse

Citric Acid 1-hydrate PA-ACS-ISO

$C_6H_8O_7.H_2O$

M: 210,14 CAS: 5949-29-1 EINECS: 201-069-1 NC: 2918 14 00

HAZARDOUS:

Xi

R: 36 S: 24/25

SPECIFICATIONS:

Assay (Acidim.) 99,5-102,0%
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Residue on ignition (as SO_4) ..... 0,02 %
Darkened substances by H_2SO_4 ..... p/t.
Chloride (Cl) ..... 0,0005 %
Phosphate (PO_4) ..... 0,001 %
Oxalate (C_2O_4) ..... 0,05 %
Sulphur compounds (as SO_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00001 %

Metals by ICP [mg/Kg (ppm)]

Al	2	Fe	3	Pt	2
Au	2	Ge	2	Sb	2
B	2	In	2	Si	10
Ba	2	K	50	Sn	5
Be	2	Mg	5	Sr	2
Ca	20	Mn	2	Ti	2
Cd	2	Mo	2	Tl	2
Co	2	Na	50	V	2
Cr	2	Ni	2	Zn	2
Cu	0,5	Pb	2	Zr	2

Order code	Package	Units/Box st.
131018.1210	500 g P	6
131018.1211	1000 g P	6
131018.1214	5 kg P	4
131018.0416	25 kg PP	

Citric Acid 1-hydrate (RFE, USP, BP, Ph. Eur., JP) PRS-CODEX

$C_6H_8O_7.H_2O$

M: 210,14 CAS: 5949-29-1 EINECS: 201-069-1 NC: 2918 14 00

HAZARDOUS:

Xi

R: 36 S: 24/25

SPECIFICATIONS:

Assay (Acidim.) calc. applied anh. subs. 99,5-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Colour of solution ..... p/t.
Insoluble matter in H_2O ..... 0,01 %
Residue on ignition (as SO_4) ..... 0,05 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Darkened substances by H_2SO_4 ..... p/t.
Chloride (Cl) ..... 0,005 %
Oxalate (C_2O_4) ..... 0,035 %
Sulphate (SO_4) ..... 0,01 %
Water (H_2O) ..... 7,5-8,8 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Ba ..... p/t.
Ca ..... 0,02 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Mg ..... 0,005 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141018.1210	500 g P	6
141018.1211	1000 g P	6
141018.1214	5 kg P	4
141018.0416	25 kg PP	

Citric Acid 1-hydrate (E-330, F.C.C.) ADITIO

$C_6H_8O_7.H_2O$

M: 210,14 CAS: 5949-29-1 EINECS: 201-069-1 NC: 2918 14 00

HAZARDOUS:

Xi

R: 36 S: 24/25

SPECIFICATIONS:

Assay (as $C_6H_8O_7$) calc. on the anh. basis 99,5-100,5%
Oxalate (as Oxalic Ac.) a.d.s ..... 0,01 %
Easily carbonizable substances ..... p/t.
Residue on ignition, not more than ..... 0,05 %
Tridodecylamine, not more than ..... 0,1 ppm
ABS (Easily carbon. subst.) λ470 nm, not more than 0,52
ABS (Polynuc.Hydroc.) λ280-289 nm, not more than 0,25
ABS (Polynuc.Hydroc.) λ290-299 nm, not more than 0,20
ABS (Polynuc.Hydroc.) λ300-359 nm, not more than 0,13
ABS (Polynuc.Hydroc.) λ360-400 nm, not more than 0,03
Water, not more than ..... 8,8 %
Lead, not more than ..... 0,5 ppm
Heavy metals (as Pb), not more than ..... 5 ppm
Arsenic (as As), not more than ..... 1 ppm
Mercury (as Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/EC , F.C.C. 6

Order code	Package	Units/Box st.
201018.1214	5 kg P	4
201018.0416	25 kg PP	

Citric Acid Tripotassium Salt

(see tri-Potassium Citrate 1-hydrate)

Citrosol (Substitute of Xylene) DC

solvent for histology

$C_{10}H_{16}$

M: 136,24 CAS: 5989-27-5 EINECS: 227-813-5 NC: 2902 19 10 UN: 2052

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xi

R: 10-38 S: 28a CE: 601-029-00-7

1l~0,842kg 1kg~1,188l

SPECIFICATIONS:

Identity ..... IR p/t.
Density at 20/4 0,841-0,843
Specific rotation $[\alpha]^{20}/D$ (without dil.) ..... +113 to +120°

MAXIMUM LIMIT OF IMPURITIES

Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
253139.1611	1000 ml	6
253139.1612	2,5 l	4
253139.1214	5 l P	4

Clayton Yellow

(see Titan Yellow)

CMC

(see Carboxymethylcellulose)

COBALT SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Cobalt(II) Acetate 4-hydrate (Reag. USP) PA-ACS

$Co(CH_3COO)_2.4H_2O$

M: 249,08 CAS: 6147-53-1 EINECS: 200-755-8 NC: 2915 29 00

HAZARDOUS:

T N

R: 49-60-42/43-68-50/53 S: 53-45-60-61

SPECIFICATIONS:

Assay (Compl.) 98,0-102,0%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Non-precipitated substances by H_2S (in SO_4) ..... 0,3 %
Chloride (Cl) ..... 0,002 %
Nitrate (NO_3) ..... 0,01 %
Sulphate (SO_4) ..... 0,005 %
Ca ..... 0,005 %
Cu ..... 0,002 %
Fe ..... 0,001 %
K ..... 0,01 %
Mg ..... 0,005 %
Mn ..... 0,01 %
Na ..... 0,05 %
Ni ..... 0,1 %
Pb ..... 0,001 %
Zn ..... 0,01 %

Order code	Package	Units/Box st.
131255.1209	250 g P	6
131255.0914	5 kg PP	

Cobalt(II) Acetate 4-hydrate PRS

$Co(CH_3COO)_2.4H_2O$

M: 249,08 CAS: 6147-53-1 EINECS: 200-755-8 NC: 2915 29 00

HAZARDOUS:

T N **R: 49-60-42/43-68-50/53 S: 53-45-60-61**

SPECIFICATIONS:

Assay (Compl.) ..... 98 %
Insoluble matter in H_2O ..... 0,05 %
Chloride (Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,1 %
Cu ..... 0,05 %
Fe ..... 0,005 %
Pb ..... 0,01 %

Order code	Package	Units/Box st.
141255.1209	250 g P	6
141255.0914	5 kg PP	

Cobalt(II) Carbonate Basic

(see Cobalt(II) Hydroxide Carbonate ~50% Co)

Cobalt(II) Chloride anhydrous, 99% PS

$CoCl_2$

M: 129,84 CAS: 7646-79-9 EINECS: 231-589-4 NC: 2827 39 30 UN: 3288
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T N **R: 49-60-E22-42/43-68-50/53 S: 53-45-60-61**

CE: 027-004-00-5

SPECIFICATIONS:

Minimum assay (Compl.) ..... 99 %
Loss on drying at 150°C ..... 1 %

Order code	Package	Units/Box st.
163648.1608	100 g	6
163648.1610	500 g	6

Cobalt(II) Chloride anhydrous QP

$CoCl_2$

M: 129,84 CAS: 7646-79-9 EINECS: 231-589-4 NC: 2827 39 30 UN: 3288
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T N **R: 49-60-E22-42/43-68-50/53 S: 53-45-60-61**

CE: 027-004-00-5

SPECIFICATIONS:

Assay (Compl.) ..... 97,0 %
Fe ..... 0,05 %
Ni ..... 0,2 %
Pb ..... 0,01 %

Order code	Package	Units/Box st.
213648.1608	100 g	6

Cobalt(II) Chloride 6-hydrate (Reag. Ph. Eur.) PA-ACS-ISO

$CoCl_2.6H_2O$

M: 237,93 CAS: 7791-13-1 EINECS: 231-589-4 NC: 2827 39 30 UN: 3288
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T N **R: 49-60-E22-42/43-68-50/53 S: 53-45-60-61**

CE: 027-004-00-5

SPECIFICATIONS:

Assay (Compl.) 99,0-102,0%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Non-precipitated substances by $(NH_4)_2S$ ..... 0,25 %
Nitrate (NO_3) ..... 0,01 %
Sulphate (SO_4) ..... 0,005 %
Ammonium (NH_4) ..... 0,005 %
Ca ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,005 %
K ..... 0,01 %
Mg ..... 0,005 %
Mn ..... 0,01 %
Na ..... 0,05 %
Ni ..... 0,05 %
Pb ..... 0,003 %
Zn ..... 0,002 %

Order code	Package	Units/Box st.
131257.1209	250 g P	6
131257.1211	1000 g P	6
131257.1214	5 kg P	4

Cobalt(II) Chloride 6-hydrate PRS

$CoCl_2.6H_2O$

M: 237,93 CAS: 7791-13-1 EINECS: 231-589-4 NC: 2827 39 30 UN: 3288
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T N **R: 49-60-E22-42/43-68-50/53 S: 53-45-60-61**

CE: 027-004-00-5

SPECIFICATIONS:

Assay (Compl.) ..... 98 %
Insoluble matter in H_2O ..... 0,01 %
Nitrogen compounds (as N) ..... 0,01 %
Sulphate (SO_4) ..... 0,05 %
Cu ..... 0,005 %
Fe ..... 0,05 %
Pb ..... 0,005 %
Zn ..... 0,1 %

Order code	Package	Units/Box st.
141257.1209	250 g P	6
141257.1211	1000 g P	6
141257.1214	5 kg P	4
141257.0416	25 kg PP	

Cobalt(II) Hydroxide Carbonate ~50% Co PRS

$2CoCO_3.3Co(OH)_2.xH_2O$

M: 516,65(anh) CAS: 12602-23-2 EINECS: 235-714-3 NC: 2836 99 17

HAZARDOUS:

Xi **R: 43 S: 24-37**

SPECIFICATIONS:

Assay (as Co)(Compl.) ..... 50 %
Insoluble matter in HCl ..... 0,05 %
Sulphate (SO_4) ..... 0,1 %
Cu ..... 0,005 %
Fe ..... 0,02 %
Ni ..... 0,02 %
Pb ..... 0,005 %
Zn ..... 0,05 %

Order code	Package	Units/Box st.
141256.1209	250 g P	6

Cobalt(II) Nitrate 6-hydrate (Reag. Ph. Eur.) PA-ACS

$Co(NO_3)_2.6H_2O$

M: 291,03 CAS: 10026-22-9 EINECS: 233-402-1 NC: 2834 29 20 UN: 1477
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

T N **R: 49-60-42/43-68-50/53 S: 53-45-60-61**

SPECIFICATIONS:

Assay (Compl.) 98,0-102,0%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,002 %
Ammonium (NH_4) ..... 0,05 %
Sulphate (SO_4) ..... 0,005 %
Ca ..... 0,005 %
Cu ..... 0,002 %
Fe ..... 0,001 %
K ..... 0,01 %
Mg ..... 0,005 %
Mn ..... 0,01 %
Na ..... 0,05 %
Ni ..... 0,15 %
Pb ..... 0,002 %
Zn ..... 0,01 %

Order code	Package	Units/Box st.
131258.1209	250 g P	6

Cobalt(II) Nitrate 6-hydrate PRS

$Co(NO_3)_2.6H_2O$

M: 291,03 CAS: 10026-22-9 EINECS: 233-402-1 NC: 2834 29 20 UN: 1477
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

T N **R: 49-60-42/43-68-50/53 S: 53-45-60-61**

SPECIFICATIONS:

Assay (Compl.) ..... 98-102 %
Insoluble matter in H_2O ..... 0,01 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,02 %
Cu ..... 0,005 %
Fe ..... 0,005 %
Pb ..... 0,005 %
Zn ..... 0,1 %

Order code	Package	Units/Box st.
141258.1209	250 g P	6
141258.1211	1000 g P	6
141258.0914	5 kg PP	
141258.0416	25 kg PP	

Cobalt(II,III) Oxide PRS

Co_3O_4

M: 240,80 CAS: 1308-06-1 EINECS: 215-157-2 NC: 2822 00 00

HAZARDOUS:

Xi

R: 43 S: 24-37

SPECIFICATIONS:

Assay (as Co)(Compl.) ..... 70 %
Cu ..... 0,01 %
Fe ..... 0,1 %
Pb ..... 0,01 %
Zn ..... 0,02 %

Order code	Package	Units/Box st.
142557.1209	250 g P	6
142557.1214	5 kg P	4

Cobalt(III) Sodium Nitrite

(see Sodium Hexanitrocobaltate(III))

Cobalt(II) Sulphate 7-hydrate PA

$CoSO_4.7H_2O$

M: 281,10 CAS: 10026-24-1 EINECS: 233-334-2 NC: 2833 29 30 UN: 3077

IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

T N

R: 49-60-E22-42/43-68-50/53 S: 53-45-60-61

CE: 027-005-00-0

SPECIFICATIONS:

Minimum assay (Compl.) ..... 99,0 %
pH of 5% solution ..... ≥3,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Nitrogen compounds (as N) ..... 0,005 %
Chloride (Cl) ..... 0,001 %
Ca ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,002 %
K ..... 0,002 %
Mg ..... 0,005 %
Mn ..... 0,0025 %
Na ..... 0,01 %
Ni ..... 0,025 %
Pb ..... 0,001 %
Zn ..... 0,005 %

Order code	Package	Units/Box st.
121259.1209	250 g P	6
121259.1214	5 kg P	4

Cobalt(II) Sulphate 7-hydrate PRS

$CoSO_4.7H_2O$

M: 281,10 CAS: 10026-24-1 EINECS: 233-334-2 NC: 2833 29 30 UN: 3077

IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

T N

R: 49-60-E22-42/43-68-50/53 S: 53-45-60-61

CE: 027-005-00-0

SPECIFICATIONS:

Assay (Compl.) ..... 98 %
pH of 5% solution ..... ≥3,0
Nitrogen compounds (as N) ..... 0,01 %
Chloride (Cl) ..... 0,005 %
Cu ..... 0,005 %
Fe ..... 0,005 %
Pb ..... 0,005 %
Zn ..... 0,01 %

Order code	Package	Units/Box st.
141259.1209	250 g P	6
141259.1211	1000 g P	6
141259.1214	5 kg P	4
141259.0416	25 kg PP	

Cobaltous

(see Cobalt(II) compounds)

Cochineal (C.I. 75470) PA

$C_{22}H_{20}O_{13}$

M: 492,40 CAS: 1260-17-9 EINECS: 215-023-3 NC: 3203 00 90

SPECIFICATIONS:

Minimum assay (Spectrophotometric) (as carminic acid) ..... 10,0 %

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C ..... 15 %

Order code	Package	Units/Box st.
121272.1605	10 g	6

COD STANDARDS

(see Standards for COD)

Collodion flexible QP

NC: 3912 20 11 UN: 2059

IMDG: 3/I ADR: 3/I IATA: 3/I PAX: 302 CAO: 303

HAZARDOUS:

F+ Xn

R: 12-19-22-66-67 S: 9-16-29-33

1l~0,783kg 1kg~1,277l

SPECIFICATIONS:

Density at 25/4 0,775-0,790

Order code	Package	Units/Box st.
211279.1609	250 ml	6
211279.1611	1000 ml	6
211279.0314	5 l A	4
211279.0616	25 l	

Collodion solution 4-8% QP

NC: 3912 20 11 UN: 2059

IMDG: 3/I ADR: 3/I IATA: 3/I PAX: 302 CAO: 303

HAZARDOUS:

F+ Xn

R: 12-19-22-66-67 S: 9-16-29-33

1l~0,770kg 1kg~1,299l

SPECIFICATIONS:

Density at 25/4 0,765-0,775

Order code	Package	Units/Box st.
211278.1611	1000 ml	6
211278.0314	5 l A	4
211278.0616	25 l	

Collodion solution 4% w/v (USP) PRS-CODEX

NC: 3912 20 11 UN: 2059

IMDG: 3/I ADR: 3/I IATA: 3/I PAX: 302 CAO: 303

HAZARDOUS:

F+ Xn

R: 12-19-22-66-67 S: 9-16-29-33

1l~0,770kg 1kg~1,299l

SPECIFICATIONS:

Assay (w/w) ..... 5,0-5,5 %
Identity according to Pharmacopoeias ..... p/t.
Density at 25/25 0,765-0,775

MAXIMUM LIMIT OF IMPURITIES

Ethanol (G.C.) (v/v) ..... 22,0-26,0 %
Acidity ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
141278.1609	250 ml	6
141278.1611	1000 ml	6
141278.0314	5 l A	4
141278.0616	25 l	

Colophony (BP, Ph. Eur.) PRS-CODEX

CAS: 8050-09-7 EINECS: 232-475-7 NC: 3806 10 10

HAZARDOUS:

Xi

R: 43 S: 24-37 CE: 650-015-00-7

SPECIFICATIONS:

Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition ..... 0,2 %
Acidity value 150-180
Foreign substances ..... 2 %
Residual solvents (Ph.Eur./USP) ..... p/t

Order code	Package	Units/Box st.
142083.1211	1000 g P	6
142083.0914	5 kg PP	

Colour: colour determination according to Ph. Eur.

(see: Hydrochloric Acid 10 g/l. Yellow Primary Solution. Blue Primary Solution. Red Primary Solution)

COLOUR DETERMINATION STANDARD

(see Standard for Colour Determination)

Complexon-Magnesium 0,1 mol/l RV

for complexometry

NC: 3822 00 00

1l~1,032kg 1kg~0,969l

Composition:

Magnesium Sulphate 7-hydrate ..... 2,47 g
Ethylenediaminetetraacetic Acid Disodium Salt 2-hydrate ..... 3,73 g
Sodium Hydroxide pellets ..... 0,76 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
281280.1209	250 ml	6
281280.1211	1000 ml	6

Concentrated solution for the sand equivalent determination RE

according to NF EN 933-8:1999 and UNE-EN 933-8:2000

NC: 3822 00 00

1l~1,192kg 1kg~0,839l

Composition:

Calcium Chloride anhydrous ..... 110-112 g
Glycerol ..... 475-485 g
Formaldehyde 35-40% w/v ..... 12-13 g
Water s.q.m. ..... 1000 ml

Order code	Package	Units/Box st.
173655.1243	125 ml	6

Conductivity

(see Standards for Conductivity)

Congo Red (C.I. 22120) PA

pH indicator 3,0 blue violet; 5,2 red orange

$C_{32}H_{22}N_6Na_2O_6S_2$

M: 696,66 CAS: 573-58-0 EINECS: 209-358-4 NC: 3204 14 00 UN: 2811

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T

R: 45-63 S: 53-45 CE: 611-027-00-8

SPECIFICATIONS:

Identity ..... IR p/t
λ_1 of max. ABS at pH 3,0 ..... 563-568 nm
λ_2 of max. ABS at pH 5,2 ..... 484-490 nm
A 1%, 1cm, λ_1 max. (calc. a.d.s.) ..... >150
A 1%, 1cm, λ_2 max. (calc. a.d.s.) ..... >200
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

pH transition interval:
blue violet 3,0
red orange 5,2
Loss on drying at 110°C ..... 5 %

Order code	Package	Units/Box st.
121611.1605	10 g	6
121611.1606	25 g	6
121611.1607	50 g	6

Congo Red (C.I. 22120) DC

for microscopy, bacteriology

$C_{32}H_{22}N_6Na_2O_6S_2$

M: 696,66 CAS: 573-58-0 EINECS: 209-358-4 NC: 3204 14 00 UN: 2811

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T

R: 45-63 S: 53-45 CE: 611-027-00-8

SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 497-500 nm
A 1%, 1cm; λmax. (calc. a.d.s.) ..... >520
Ratio λmax. P ± 15 nm 0,99-1,04
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C ..... 5 %

Order code	Package	Units/Box st.
251611.1605	10 g	6
251611.1606	25 g	6

Coomassie Brilliant Blue G 250 (C.I. 42655) DC

$C_{47}H_{48}N_3NaO_7S_2$

M: 854,04 CAS: 6104-58-1 EINECS: 228-058-4 NC: 3204 12 00

SPECIFICATIONS:

Identity ..... IR p/t.
λ of the max. ABS at pH 7 ..... 578-585 nm
A 1%; 1 cm; λ max. (calc. a.d.s.) ..... >420
Ratio λ max., P ± 15 nm 0,95-1,0
T.L.C. ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C ..... 10 %

Order code	Package	Units/Box st.
254933.1606	25 g	6
254933.1608	100 g	6

Coomassie Brilliant Blue R 250 (C.I. 42660) DC

$C_{45}H_{44}N_3NaO_7S_2$

M: 825,99 CAS: 6104-59-2 EINECS: 228-060-5 NC: 3204 12 00

SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS at pH 7 ..... 554-570 nm
A 1%, 1 cm, λmax ..... >350
Ratio λmax. P ± 15 nm 0,95-1,00
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C ..... 10 %

Order code	Package	Units/Box st.
254932.1606	25 g	6

Copper metal, powder PRS

Cu

M: 63,54 CAS: 7440-50-8 EINECS: 231-159-6 NC: 7406 10 00

SPECIFICATIONS:

Insoluble matter in HNO_3 ..... 0,05 %
As ..... 0,001 %
Fe ..... 0,01 %
Mn ..... 0,001 %
Ni ..... 0,005 %
Sb ..... 0,05 %
Sn ..... 0,05 %

Order code	Package	Units/Box st.
141266.1610	500 g	6
141266.1611	1000 g	6
141266.1214	5 kg	4

Copper, 99% metal, turnings PS

Cu

M: 63,54 CAS: 7440-50-8 EINECS: 231-159-6 NC: 7406 20 00

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
15A754.1209	250 g	6

COPPER SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Copper(II) Acetate 1-hydrate (Reag. Ph. Eur.) PA-ACS

$Cu(CH_3COO)_2.H_2O$

M: 199,65 CAS: 6046-93-1 EINECS: 205-553-3 NC: 2915 29 00

HAZARDOUS:

Xn

R: 22 S: 24

SPECIFICATIONS:

Assay (Iodom.) 99,0-102,0%
pH of 5% solution 5,0-5,5

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Chloride (Cl) ..... 0,003 %
Sulphate (SO_4) ..... 0,005 %
Ca ..... 0,005 %
Fe ..... 0,002 %
K ..... 0,01 %
Mg ..... 0,002 %
Na ..... 0,01 %
Ni ..... 0,01 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
131261.1210	500 g	6
131261.1211	1000 g	6
131261.1214	5 kg	4
131261.0416	25 kg	

Copper(II) Acetate 1-hydrate PRS

$Cu(CH_3COO)_2.H_2O$

M: 199,65 CAS: 6046-93-1 EINECS: 205-553-3 NC: 2915 29 00

HAZARDOUS:

Xn

R: 22 S: 24

SPECIFICATIONS:

Assay (Iodom.) ..... 98 %
pH of 5% solution 5,0-6,0
Insoluble matter in H_2O ..... 0,02 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Fe ..... 0,005 %
Ni ..... 0,02 %
Pb ..... 0,01 %

Order code	Package	Units/Box st.
141261.1210	500 g	6
141261.1211	1000 g	6
141261.0416	25 kg	

Copper(II) and Ammonium Chloride
(see Ammonium Copper(II) Chloride 2-hydrate)

Copper(I) Bromide PRS
CuBr
M: 143,45 CAS: 7787-70-4 EINECS: 232-131-6 NC: 2827 59 00
HAZARDOUS:
Xn
R: 22 S: 22-24/25
SPECIFICATIONS:
Assay (Redox.) ..... 98 %
Insoluble matter in HCl ..... 0,02 %
Non-precipitated substances by H_2S (as SO_4) ..... 0,3 %
Sulphate (SO_4) ..... 0,2 %
As ..... 0,0001 %
Ca ..... 0,01 %
Fe ..... 0,005 %
K ..... 0,01 %
Na ..... 0,05 %

Order code	Package	Units/Box st.
144329.1208	100 g	6
144329.1210	500 g	6

Copper(II) Bromide PRS
$CuBr_2$
M: 223,36 CAS: 7789-45-9 EINECS: 232-167-2 NC: 2827 59 00 UN: 1759
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:
C
R: 34 S: 26-36/37/39-45
SPECIFICATIONS:
Assay (Iodom.) ..... 98 %
Insoluble matter in H_2O ..... 0,05 %
Chloride (Cl) ..... 0,5 %
Sulphate (SO_4) ..... 0,2 %

Order code	Package	Units/Box st.
142005.1210	500 g	6
142005.1214	5 kg	4

Copper(II) Bromide, 99% PS
$CuBr_2$
M: 223,36 CAS: 7789-45-9 EINECS: 232-167-2 NC: 2827 59 00 UN: 1759
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:
C
R: 34 S: 26-36/37/39-45
SPECIFICATIONS:
Assay ..... 99 %

Order code	Package	Units/Box st.
152005.1208	100 g	6
152005.1210	500 g	6

Copper(II) Carbonate Basic
(see Copper(II) Hydroxide Carbonate)

Copper(I) Chloride PA-ACS
CuCl
M: 99,00 CAS: 7758-89-6 EINECS: 231-842-9 NC: 2827 39 85 UN: 2802
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:
Xn N
R: 22-50/53 S: 22-60-61 CE: 029-001-00-4
SPECIFICATIONS:
Minimum assay (Redox.) ..... 95 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in acid ..... 0,02 %
Sulphate (SO_4) ..... 0,1 %
As ..... 0,001 %
Ca ..... 0,01 %
Fe ..... 0,005 %
K ..... 0,005 %
Na ..... 0,05 %

Order code	Package	Units/Box st.
131265.1210	500 g	6
131265.1211	1000 g	6
131265.0914	5 kg	
131265.0416	25 kg	

Copper(I) Chloride, 95% PS
CuCl
M: 99,00 CAS: 7758-89-6 EINECS: 231-842-9 NC: 2827 39 85 UN: 2802
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:
Xn N
R: 22-50/53 S: 22-60-61 CE: 029-001-00-4
SPECIFICATIONS:
Minimum assay (Redox.) ..... 95 %

Order code	Package	Units/Box st.
161265.1211	1000 g	6

Copper(II) Chloride 2-hydrate (Reag. USP, Ph. Eur.) PA-ACS
$CuCl_2.2H_2O$
M: 170,48 CAS: 10125-13-0 EINECS: 231-210-2 NC: 2827 39 85 UN: 2802
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:
T
R: 25-36/37/38 S: 37-45
SPECIFICATIONS:
Minimum assay (Iodom.) ..... 99,0 %
pH of 5% solution ..... ≥3,0
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Non precipitated substances by H_2S ..... 0,1 %
Nitrate (NO_3) ..... 0,015 %
Sulphate (SO_4) ..... 0,005 %
As ..... 0,0005 %
Ba ..... 0,005 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,005 %
Fe ..... 0,005 %
K ..... 0,01 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Na ..... 0,01 %
Ni ..... 0,005 %
Zn ..... 0,001 %

Order code	Package	Units/Box st.
131264.1210	500 g	6
131264.1211	1000 g	6
131264.1214	5 kg	4
131264.0416	25 kg	

Copper(II) Chloride 2-hydrate (USP) PRS-CODEX
$CuCl_2.2H_2O$
M: 170,48 CAS: 10125-13-0 EINECS: 231-210-2 NC: 2827 39 85 UN: 2802
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:
T
R: 25-36/37/38 S: 37-45
SPECIFICATIONS:
Assay (Iodom.) calc. a.a.s. 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution ..... ≥3,0
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in HCl ..... 0,01 %
Loss on drying at 105°C ..... 20,9-21,4 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Sulphate (SO_4) ..... 0,005 %
As ..... 0,0005 %
Ca ..... 0,005 %
Fe ..... 0,005 %
K ..... 0,01 %
Na ..... 0,02 %
Ni ..... 0,01 %
Pb ..... 0,03 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141264.1210	500 g	6
141264.1211	1000 g	6
141264.1214	5 kg	4
141264.0416	25 kg	

Copper(I) Cyanide PRS

CuCN

M: 89,56 CAS: 544-92-3 EINECS: 208-883-6 NC: 2837 19 00 UN: 1587
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T+ N **R: 26/27/28-32-50/53 S: 7-28a-29-45-60-61 CE: 006-007-00-5**

SPECIFICATIONS:
Assay (Compl.) ..... 98 %
Insoluble matter in NaCN ..... p/t.
Chloride (Cl) ..... 0,2 %
Sulphate (SO_4) ..... 0,1 %
Water (H_2O) ..... 0,5 %
Fe ..... 0,005 %

Order code	Package	Units/Box st.
141263.1209	250 g	6
141263.1211	1000 g	6
141263.1214	5 kg	4
141263.0716	25 kg	

Copper(I) Cyanide, 98% PS

CuCN

M: 89,56 CAS: 544-92-3 EINECS: 208-883-6 NC: 2837 19 00 UN: 1587
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T+ N **R: 26/27/28-32-50/53 S: 7-28a-29-45-60-61 CE: 006-007-00-5**

SPECIFICATIONS:
Assay ..... 98 %

Order code	Package	Units/Box st.
151263.1208	100 g	6
151263.1210	500 g	6

Copper(II) Ethylenediamine Reagent RE

for determination of cellulose paste viscosity

NC: 3822 00 00 UN: 1761
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C **R: 43-34-52 S: 9-26-36/37/39-45-61**

1l~1,096kg 1kg~0,912l
SPECIFICATIONS:
Cu ..... 1,00 ± 0,02 mol/l
Ratio $C_2H_8N_2$/Cu ..... 2,00 ± 0,04

Order code	Package	Units/Box st.
172308.1611	1000 ml	6

Copper(II) Ethylenediamine in solution

(see Copper(II) Ethylenediamine Reagent)

Copper(II) Hydroxide Carbonate PA

$CuCO_3.Cu(OH)_2$

M: 221,10 CAS: 12069-69-1 EINECS: 235-113-6 NC: 2836 99 11 UN: 3288
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn **R: 22**

SPECIFICATIONS:
Minimum assay (as Cu)(Iodom.) ..... 55,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2SO_4 ..... 0,01 %
Chloride (Cl) ..... 0,002 %
Sulphate (SO_4) ..... 0,03 %
Fe ..... 0,05 %
K ..... 0,05 %
Na ..... 0,05 %
Pb ..... 0,01 %

Order code	Package	Units/Box st.
121262.1211	1000 g	6
121262.0914	5 kg	

Copper(II) Hydroxide Carbonate PRS

$CuCO_3.Cu(OH)_2$

M: 221,10 CAS: 12069-69-1 EINECS: 235-113-6 NC: 2836 99 11 UN: 3288
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn **R: 22**

SPECIFICATIONS:
Assay (as Cu)(Iodom.) ..... 55 %
Insoluble matter in H_2SO_4 ..... 0,05 %
Chloride (Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,05 %

Order code	Package	Units/Box st.
141262.1210	500 g	6
141262.1211	1000 g	6
141262.0914	5 kg	
141262.0416	25 kg	

Copper(I) Iodide PRS

CuI

M: 190,45 CAS: 7681-65-4 EINECS: 231-674-6 NC: 2827 60 00
SPECIFICATIONS:
Assay (Iodom.) ..... 99 %
Sulphate (SO_4) ..... 0,01 %
Fe ..... 0,002 %

Order code	Package	Units/Box st.
144202.1608	100 g	6

Copper(I) Iodide, 99% PS

CuI

M: 190,45 CAS: 7681-65-4 EINECS: 231-674-6 NC: 2827 60 00
SPECIFICATIONS:
Minimum assay (Iodom.) ..... 99 %

Order code	Package	Units/Box st.
164202.1608	100 g	6

Copper(II) Nitrate 3-hydrate (Reag. Ph. Eur.) PA-ACS

$Cu(NO_3)_2.3H_2O$

M: 241,60 CAS: 10031-43-3 EINECS: 221-838-5 NC: 2834 29 40 UN: 1477
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

Xn **R: 22-36/38 S: 22**

SPECIFICATIONS:
Minimum assay (Iodom.) ..... 99,0 %
pH of 5% solution ..... ≥2,8
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,002 %
Sulphate (SO_4) ..... 0,01 %
As ..... 0,0001 %

Metals by ICP [mg/Kg (ppm)]

Ca	50	Hg	10	Sb	10
Cd	50	Mg	20	Sr	20
Co	10	Mn	10	Ti	10
Cr	30	Na	50	V	10
Fe	50	Ni	100	Zn	300
K	50	Pb	10		

Order code	Package	Units/Box st.
131267.1210	500 g	6
131267.1211	1000 g	6
131267.1214	5 kg	4
131267.0416	25 kg	

Copper(II) Nitrate 3-hydrate PRS

$Cu(NO_3)_2.3H_2O$

M: 241,60 CAS: 10031-43-3 EINECS: 221-838-5 NC: 2834 29 40 UN: 1477
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

Xn **R: 22-36/38 S: 22**

SPECIFICATIONS:
Assay (Iodom.) ..... 98-103 %
pH of 5% solution ..... ≥2,8
Insoluble matter in H_2O ..... 0,025 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,02 %
As ..... 0,0001 %
Ca ..... 0,05 %
Fe ..... 0,01 %
Mg ..... 0,01 %
Ni ..... 0,05 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
141267.1210	500 g	6
141267.1211	1000 g	6
141267.1214	5 kg	4
141267.0416	25 kg	

Copper(II) Oxide PA

CuO

M: 79,55 CAS: 1317-38-0 EINECS: 215-269-1 NC: 2825 50 00
HAZARDOUS:

Xn **R: 22 S: 24**

SPECIFICATIONS:
Assay (Iodom.) ..... 97 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in HCl ..... 0,05 %
Nitrogen compounds (as N) ..... 0,005 %
Sulphur compounds (as SO_4) ..... 0,05 %
Chloride (Cl) ..... 0,01 %
Fe ..... 0,05 %

Order code	Package	Units/Box st.
121269.1208	100 g	6
121269.1210	500 g	6

Copper(II) Oxide PRS

CuO

M: 79,55 CAS: 1317-38-0 EINECS: 215-269-1 NC: 2825 50 00

HAZARDOUS:

Xn **R: 22 S: 24**

SPECIFICATIONS:

Assay (Iodom.) ..... 96 %
Insoluble matter in HCl ..... 0,05 %
Sulphur compounds (as SO_4) ..... 0,1 %

Order code	Package	Units/Box st.
141269.1210	500 g	6
141269.1211	1000 g	6
141269.0914	5 kg	

Copper(I) Oxide red, 95% PS

Cu_2O

M: 143,09 CAS: 1317-39-1 EINECS: 215-270-7 NC: 2825 50 00

HAZARDOUS:

Xn N **R: 22-50/53 S: 22-60-61**

SPECIFICATIONS:

Assay ..... 95 %

Order code	Package	Units/Box st.
151825.1206	25 g	6
151825.1210	500 g	6

Copper(II) Pyrophosphate x-hydrate QP

$Cu_2P_2O_7.xH_2O$

M: 301,02(anh) CAS: 15191-80-7 EINECS: 239-250-2 NC: 2835 39 00

HAZARDOUS:

Xn **R: 20/21/22 S: 9-24/25**

SPECIFICATIONS:

Assay (Iodom.) (as Cu) ..... 33-37 %

Order code	Package	Units/Box st.
212646.1211	1000 g	6

Copper(II) Sulphate anhydrous (Reag. USP) PA

$CuSO_4$

M: 159,60 CAS: 7758-98-7 EINECS: 231-847-6 NC: 2833 25 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

Xn N **R: 22-36/38-50/53 S: 22-60-61**

SPECIFICATIONS:

CE: 029-004-00-0
Minimum assay (Iodom.) ..... 98 %
pH of 5% solution 3,5-4,5

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Loss on drying at 250°C ..... 0,5 %
Not precipit. substances by H_2S (as SO_4) ..... 0,15 %
Nitrogen compounds (as N) ..... 0,005 %
Chloride (Cl) ..... 0,002 %
As ..... 0,0001 %
Ca ..... 0,01 %
Fe ..... 0,01 %
K ..... 0,005 %
Mg ..... 0,005 %
Na ..... 0,01 %
Ni ..... 0,005 %
Pb ..... 0,01 %
Zn ..... 0,05 %

Order code	Package	Units/Box st.
122726.1209	250 g	6
122726.1211	1000 g	6
122726.1214	5 kg	4
122726.0416	25 kg	

Copper(II) Sulphate anhydrous (RFE, BP, Ph. Eur.) PRS-CODEX

$CuSO_4$

M: 159,60 CAS: 7758-98-7 EINECS: 231-847-6 NC: 2833 25 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

Xn N **R: 22-36/38-50/53 S: 22-60-61 CE: 029-004-00-0**

SPECIFICATIONS:

Assay (Iodom.) calc. a.d.s 99,0-101,0%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Loss on drying at 250°C ..... 1,0 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Chloride (Cl) ..... 0,015 %
As ..... 0,0005 %
Fe ..... 0,015 %
Ni ..... 0,01 %
Pb ..... 0,008 %

Order code	Package	Units/Box st.
142726.1209	250 g	6
142726.1211	1000 g	6
142726.1214	5 kg	4
142726.0416	25 kg	

Copper(II) Sulphate 5-hydrate (Reag. Ph. Eur.) PA-ACS-ISO

$CuSO_4.5H_2O$

M: 249,68 CAS: 7758-99-8 EINECS: 231-847-6 NC: 2833 25 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

Xn N **R: 22-36/38-50/53 S: 22-60-61 CE: 029-004-00-0**

SPECIFICATIONS:

Assay (Iodom.) 99,5-102,0%
pH of 5% solution ..... ≥3,8

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2SO_4 ..... 0,005 %
Nitrogen compounds (as N) ..... 0,001 %
Chloride (Cl) ..... 0,001 %
As ..... 0,0001 %

Metals by ICP [mg/Kg (ppm)]

Ca	50	K	10	Si	5
Cd	10	Mg	20	Sr	5
Co	10	Mn	5	Ti	5
Cr	5	Na	50	V	5
Fe	30	Ni	50	Zn	300
Hg	5	Pb	50		

Order code	Package	Units/Box st.
131270.1210	500 g	6
131270.1211	1000 g	6
131270.1214	5 kg	4
131270.0416	25 kg	

Copper(II) Sulphate 5-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX

$CuSO_4.5H_2O$

M: 249,68 CAS: 7758-98-8 EINECS: 231-847-6 NC: 2833 25 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

Xn N **R: 22-36/38-50/53 S: 22-60-61 CE: 029-004-00-0**

SPECIFICATIONS:

Assay (Iodom.) 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution ..... ≥3,8

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,025 %
Loss on drying at 250°C ..... 35,0-36,5 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Chloride (Cl) ..... 0,01 %
As ..... 0,0005 %
Ca ..... 0,005 %
Fe ..... 0,01 %
K ..... 0,01 %
Na ..... 0,02 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
141270.1210	500 g	6
141270.1211	1000 g	6
141270.1214	5 kg	4
141270.0416	25 kg	

COPPER(II) SULPHATE SOLUTIONS

Copper(II) Sulphate solution d.1,050 DC

for hematology, blood density
$CuSO_4$
M: 159,60 CAS: 7758-98-7 EINECS: 231-847-6 NC: 2833 25 00 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 914 CAO: 914
HAZARDOUS:
N
R: 51/53 S: 60-61 CE: 029-004-00-0
1l~1,050kg 1kg~0,952l
SPECIFICATIONS:
Density at 20/4 ..... 1,050±0,001

Order code	Package	Units/Box st.
252195.2711	1000 ml C	6

Copper(II) Sulphate solution d.1,053 DC

for hematology, blood density
$CuSO_4$
M: 159,60 CAS: 7758-98-7 EINECS: 231-847-6 NC: 2833 25 00 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 914 CAO: 914
HAZARDOUS:
N
R: 51/53 S: 60-61 CE: 029-004-00-0
1l~1,053kg 1kg~0,949l
SPECIFICATIONS:
Density at 20/4 ..... 1,053±0,001

Order code	Package	Units/Box st.
253296.2711	1000 ml C	6

Copper(II) Sulphate solution d.1,055 DC

for hematology, blood density
$CuSO_4$
M: 159,60 CAS: 7758-98-7 EINECS: 231-847-6 NC: 2833 25 00 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 914 CAO: 914
HAZARDOUS:
N
R: 51/53 S: 60-61 CE: 029-004-00-0
1l~1,055kg 1kg~0,948l
SPECIFICATIONS:
Density at 20/4 ..... 1,055±0,001

Order code	Package	Units/Box st.
253295.2711	1000 ml C	6

Copper(II) Sulphate 0,1 mol/l (0,1M) SV

Indicator: Murexide
$CuSO_4$
M: 159,60 CAS: 7758-98-7 EINECS: 231-847-6 NC: 2833 25 00
HAZARDOUS:
R: 52 CE: 029-004-00-0
1l~1,016kg 1kg~0,984l
SPECIFICATIONS:
Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
181271.1211	1000 ml P	6

Coumarin, 97% PS

$C_9H_6O_2$
M: 146,15 CAS: 91-64-5 EINECS: 202-086-7 NC: 2932 21 00
HAZARDOUS:
Xn
R: 22
SPECIFICATIONS:
Assay ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C198.1208	100 g P	6
15C198.1210	500 g P	6

Creatinine PB

$C_4H_7N_3O$
M: 113,12 CAS: 60-27-5 EINECS: 200-466-7 NC: 2933 29 90
SPECIFICATIONS:
Minimum assay (Determ. of N) ..... 99,0 %
Identity ..... IR p/t.
λ of maximum absorbance at pH 7,0 ..... 233-235 nm
A 1%; 1 cm; λmax 620-640
pH of 5% solution 7,0-9,0
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,05 %
Loss on drying at 105°C ..... 0,2 %
Residue on ignition (as SO_4) ..... 0,05 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,001 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
K ..... 0,005 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
371283.1607	50 g	6

Creatinine DC

for standards
$C_4H_7N_3O$
M: 113,12 CAS: 60-27-5 EINECS: 200-466-7 NC: 2933 29 90
SPECIFICATIONS:
Minimum assay (Determ. of N) ..... 99,0 %
Identity ..... IR p/t.
pH of 5% solution 7,0-9,0
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 105°C ..... 0,2 %
Residue on ignition (as SO_4) ..... 0,05 %
Heavy metals (as Pb) ..... 0,001 %

Order code	Package	Units/Box st.
251283.1605	10 g	6

o-Cresol, 99% PS

C_7H_8O
M: 108,14 CAS: 95-48-7 EINECS: 202-423-8 NC: 2907 12 00 UN: 3455
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T
R: 24/25-34 S: 36/37/39-45 CE: 604-004-00-9
SPECIFICATIONS:
Minimum assay (G.C) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 29-31°C

Order code	Package	Units/Box st.
15A843.1611	1000 g	6

p-Cresol, 98,5% PS

C_7H_8O
M: 108,14 CAS: 106-44-5 EINECS: 203-398-6 NC: 2907 12 00 UN: 3455
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T
R: 24/25-34 S: 36/37/39-45 CE: 604-004-00-9
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98,5 %
Identity ..... IR p/t.
Melting range ..... 31-34°C

Order code	Package	Units/Box st.
15A848.1608	100 g	6
15A848.1610	500 g	6

DC

Diagnóstico clínico
Products for Histology and Haematology
Produits pour Histologie et hématologie

o-Cresolphthalein PA

pH indicator 8,2 colorless; 9,8 red
$C_{22}H_{18}O_4$
M: 346,39 CAS: 596-27-0 EINECS: 209-881-8 NC: 2932 99 85
SPECIFICATIONS:
Identity....IR p/t.
λ of max. ABS at pH 11,3....565-569 nm
A 1%, 1 cm, λmax....>1500
T.L.C....p/t.
MAXIMUM LIMIT OF IMPURITIES
pH transition interval:
colorless....8,2
red....9,8
Insoluble matter in C_2H_5OH....p/t.
Loss on drying at 135°C....5 %
Residue on ignition (as SO_4)....0,5 %
Cu....0,005 %
Fe....0,005 %
Ni....0,005 %
Pb....0,005 %

Order code	Package	Units/Box st.
122644.1605	10 g	6

o-Cresolphthalein-3',3"-Bis (Methyliminodiacetic) Acid

(see Phthalein Purple)

o-Cresolphthalein Complexone

(see Phthalein Purple)

m-Cresol Purple PA

pH indicator 1,2 red- 2,8 yellow; 7,4 yellow- 9,0 purple
$C_{21}H_{18}O_5S$
M: 382,44 CAS: 2303-01-7 EINECS: 218-960-6 NC: 2932 29 85
SPECIFICATIONS:
Identity....IR p/t.
λ of max. ABS in NaOH 0,1 mol/l....574-578 nm
A 1%, 1 cm, λmax....≥875
T.L.C....p/t.
MAXIMUM LIMIT OF IMPURITIES
pH transition interval:
red....1,2
yellow....2,8
yellow....7,4
purple....9,0
Loss on drying at 135°C....1 %

Order code	Package	Units/Box st.
121548.1603	1 g	6

Cresol Red PA

pH indicator 7,2 yellow; 8,8 purple
$C_{21}H_{18}O_5S$
M: 382,44 CAS: 1733-12-6 EINECS: 217-064-2 NC: 2932 29 85
SPECIFICATIONS:
Identity....IR p/t.
λ of max. ABS in NaOH 0,1 mol/l....569-572 nm
A 1%, 1cm, λmax (a.d.s.)....>1350
T.L.C....p/t.
MAXIMUM LIMIT OF IMPURITIES
pH transition interval:
yellow....7,2
purple....8,8
Insoluble in C_2H_5OH....p/t.
Loss on drying at 135°C....5 %
Residue on ignition (as SO_4)....0,5 %

Order code	Package	Units/Box st.
121613.1604	5 g	6
121613.1606	25 g	6

Cresol Red solution 0,04% RV

pH indicator 7,2 yellow; 8,8 purple
$C_{21}H_{18}O_5S$
M: 382,44 CAS: 1733-12-6 NC: 3822 00 00
1l~0,980kg 1kg~1,020l
SPECIFICATIONS:
Composition:
Cresol Red....40 mg
Sodium Hydroxide 0,1 mol/l....1 ml
Ethanol absolute....20 ml
Water....85 ml

Order code	Package	Units/Box st.
281614.1208	100 ml	6

Crown Ether/15-Crown-5, 98% PS

$C_{10}H_{20}O_5$
M: 220,26 CAS: 33100-27-5 EINECS: 251-379-6 NC: 2932 99 85
HAZARDOUS:
Xn
R: 22-36/37/38 S: 26-36
1l~1,109kg 1kg~0,901l
SPECIFICATIONS:
Minimum assay....98 %

Order code	Package	Units/Box st.
15A033.1604	5 ml	6
15A033.1606	25 ml	6

Crown Ether/18-Crown-6, 98% PS

$C_{12}H_{24}O_6$
M: 264,32 CAS: 17455-13-9 EINECS: 241-473-5 NC: 2932 99 85
HAZARDOUS:
Xn
R: 22-36/37/38 S: 26-36
SPECIFICATIONS:
Minimum assay....98 %

Order code	Package	Units/Box st.
15A034.1604	5 g	6
15A034.1606	25 g	6

Crystal Violet (C.I. 42555) PA-ACS

indicator in non aqueous medium
$C_{25}H_{30}ClN_3$
M: 407,99 CAS: 548-62-9 EINECS: 208-953-6 NC: 3204 13 00
HAZARDOUS:
Xn N
R: E22-40-41-50/53 S: 26-36/37/39-46-60-61
SPECIFICATIONS:
Minimum assay (Spectrophotometric) (a.d.s.)....90,0 %
Identity....IR p/t.
Ratio λmax. P ± 15 nm....0,98-1,25
T.L.C....p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C....7,5 %
Sensitivity as indicator in non-aqueous mediums....p/t.

Order code	Package	Units/Box st.
131762.1606	25 g	6
131762.1608	100 g	6

Crystal Violet (C.I. 42555) DC

for microscopy, bacteria staining
$C_{25}H_{30}ClN_3$
M: 407,99 CAS: 548-62-9 EINECS: 208-953-6 NC: 3204 13 00
HAZARDOUS:
Xn N
R: E22-40-41-50/53 S: 26-36/37/39-46-60-61
SPECIFICATIONS:
Minimum assay (spectrophotometric) (a.d.s.)....90,0 %
Identity....IR p/t.
Ratio λmax. P ± 15 nm....0,98-1,25
T.L.C....p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C....10 %

Order code	Package	Units/Box st.
251762.1606	25 g	6
251762.1608	100 g	6

CRYSTAL VIOLET SOLUTIONS

Crystal Violet solution 2% DC

for microscopy, bacteria staining according to Gram
$C_{25}H_{30}ClN_3$
M: 407,99 NC: 3822 00 00 UN: 1992
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F T
R: 11-23/24/25-39/23/24/25 S: 7-16-24-45
1l~0,800kg 1kg~1,250l
Composition:
Crystal Violet....2 g
Methanol s.q.m....100 ml

Order code	Package	Units/Box st.
251763.1608	100 ml	6

Crystal Violet solution 0,5% in acetic acid RV

indicator in non aqueous medium
$C_{25}H_{30}ClN_3$
M: 407,99 NC: 3822 00 00 UN: 2920
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
C
R: 35 S: 23c-26-45
1l~1,052kg 1kg~0,951l
Composition:
Crystal violet....0,5 g
Acetic Acid glacial....100 ml

Order code	Package	Units/Box st.
281764.1208	100 ml	6

Crystal Violet Oxalate solution according to Gram-Hucker DC

for microscopy, bacteria staining according to Hucker (see also Kit for Staining Gram-Hucker)
NC: 3822 00 00
1l~0,980kg 1kg~1,020l
Composition:
Crystal Violet....20 g
Ammonium Oxalate....8 g
Ethanol....200 ml
Water....800 ml

Order code	Package	Units/Box st.
252532.1608	100 ml	6
252532.1609	250 ml	6
252532.1611	1000 ml	6

CTAB

(see N-Cetyl-N,N,N-Trimethylammonium Bromide)

CULTIMED

(see chapter CULTIMED products)

Cupferron (ACS IX) PA-ACS

$C_6H_9N_3O_2$
M: 155,16 CAS: 135-20-6 EINECS: 205-183-2 NC: 2928 00 90 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:
Xn
R: 22-40 S: 22-24/25
SPECIFICATIONS:
Identity....IR p/t.
A 1%, 1 cm, in H_2O at λ281 nm....>515
Melting range....150-155°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O....p/t.
Residue on ignition (as SO_4)....0,05 %
Suitability to precipitate ions....p/t.

Order code	Package	Units/Box st.
131827.1606	25 g	6
131827.1608	100 g	6

Cupral

(see Sodium Diethyldithiocarbamate 3-hydrate)

Cupric

(see Copper(II) compounds)

Cupric Solution 0,168 mol/l VINIKIT

for determination of reducing sugars in wine, according to Rebelein method (see also Rebelein's Kit)
NC: 3822 00 00 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 914 CAO: 914
HAZARDOUS:
N
R: 51 S: 61
1l~1,028kg 1kg~0,973l
Composition:
Copper(II) Sulphate 5-hydrate....43 g
Sulphuric Acid 96%....7,485 ml
Water s.q.m....1 l

Order code	Package	Units/Box st.
624582.1210	500 ml	6

Cupriethylenediamine

(see Copper(II) Ethylenediamine Reagent)

Cuprizon

(see Oxalic Acid Bis (Cyclohexylidene hydrazide))

Cuprone

(see α-Benzoinoxime)

Cuprous

(see Copper(I) compounds)

Curcumin (C.I. 75300) (Reag. Ph. Eur.) PA

for boron detection
$C_{21}H_{20}O_6$
M: 368,39 CAS: 458-37-7 EINECS: 207-280-5 NC: 3203 00 10
SPECIFICATIONS:
Minimum assay (Spectrophotometric)....93 %
Identity....IR p/t.
λ of max. ABS in C_3H_6O....418-422 nm
A 1%, 1 cm, λmax....>1530

Order code	Package	Units/Box st.
124746.1605	10 g	6

Cyanoacetic Acid, 98% PS

$C_3H_3NO_2$
M: 85,06 CAS: 372-09-8 EINECS: 206-743-9 NC: 2926 90 95 UN: 3261
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:
C
R: 20/22-34-37-52/53 S: 26-36/37/39-45-61
SPECIFICATIONS:
Minimum assay....98 %

Order code	Package	Units/Box st.
15A311.1606	25 g	6
15A311.1610	500 g	6

3-Cyanobenzaldehyde, 98% PS

C_8H_5NO
M: 131,13 CAS: 24964-64-5 EINECS: 246-549-1 NC: 2926 90 95 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:
Xn
R: 20/21/22 S: 24/25
SPECIFICATIONS:
Assay....98 %
Identity....IR p/t.

Order code	Package	Units/Box st.
15B997.1603	1 g	6
15B997.1604	5 g	6

Cyanobenzene

(see Benzonitrile)

1-Cyanoguanidine, 98% PS

$HNC(NH_2)NHCN$
M: 84,08 CAS: 461-58-5 EINECS: 207-312-8 NC: 2926 20 00
SPECIFICATIONS:
Minimum assay (Determ. of N)....98 %
Identity....IR p/t.
Melting range....208-211°C
Water (H_2O)....0,5 %

Order code	Package	Units/Box st.
15A604.1208	100 g	6
15A604.1210	500 g	6

Cyanomethane

(see Acetonitrile)

Cyanosine

(see Phloxine B)

1,4-Cyclohexadienedione

(see 1,4-Benzoquinone)

Cyclohexane (UV-IR-HPLC) PAI-ACS

C_6H_{12}

M: 84,16 CAS: 110-82-7 EINECS: 203-806-2 NC: 2902 11 00 UN: 1145
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N **R: 11-38-65-67-50/53 S: 9-16-25-33-51-60-61-62**
CE: 601-017-00-1
1l~0,778kg 1kg~1,285l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Density at 20/4 0,776-0,780

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0003 %
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,01 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	208 (Cut off)	210	220	230	240	250	260-400
A (AU)	1,000	0,824	0,347	0,125	0,046	0,009	0,004
T (%)	10	15	45	75	90	98	99

Fluorescence (as quinine):

λ (nm)	254	365
ppb	1	1

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity ..... -0,2
Eluotropic value E°(Al_2O_3) 0,4
Sol. H_2O in solv. at 20°C 0,012
P' + 0,25 E 0,5
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361250.1611	1000 ml	6
361250.1612	2,5 l	4

Cyclohexane (PAR) PAI

C_6H_{12}

M: 84,16 CAS: 110-82-7 EINECS: 203-806-2 NC: 2902 11 00 UN: 1145
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N **R: 11-38-65-67-50/53 S: 9-16-25-33-51-60-61-62**
CE: 601-017-00-1
1l~0,778kg 1kg~1,285l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,8 %
Identity ..... IR p/t.
Density at 20/4 0,776-0,780

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0005 %
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,01 %
Signal ECD of pesticide (Lindane to DDT) (as Lindane) ..... 5 ng/l
Signal PND of pesticide (Ethylparathion to Coumaphos)
(as Ethylparathion) ..... 5 ng/l
Signal FID of 2-Octanol to Tetradecanol (as 2-Octanol) ..... p/t.

Order code	Package	Units/Box st.
321250.1611	1000 ml	6
321250.1612	2,5 l	4
321250.1646	4 l	4

SV

Soluciones valoradas
Volumetric solutions
Solutions volumétriques

Cyclohexane dry (max. 0,005% water) DS-ACS-ISO

C_6H_{12}

M: 84,16 CAS: 110-82-7 EINECS: 203-806-2 NC: 2902 11 00 UN: 1145
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N **R: 11-38-65-67-50/53 S: 9-16-25-33-51-60-61-62**
CE: 601-017-00-1
1l~0,778kg 1kg~1,285l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,776-0,780
Freezing point ..... >6,0°C

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,001 %
Cyclohexene (G.C.) ..... 0,01 %
Cyclopentane (G.C.) ..... 0,05 %
Methylcyclohexane (G.C.) ..... 0,05 %
Reducing substances to $KMnO_4$ ..... p/t.
Darkened substances by H_2SO_4 ..... p/t.
Aromatic compounds (UV) (as C_6H_6) ..... 0,01 %
Sulphur compounds (as S) ..... 0,002 %
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,005 %
Thiophene ..... p/t.

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
481250.1611	1000 ml	6

Cyclohexane (Reag. Ph. Eur.) PA-ACS-ISO

C_6H_{12}

M: 84,16 CAS: 110-82-7 EINECS: 203-806-2 NC: 2902 11 00 UN: 1145
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N **R: 11-38-65-67-50/53 S: 9-16-25-33-51-60-61-62**
CE: 601-017-00-1
1l~0,778kg 1kg~1,285l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,776-0,780
Freezing point ..... >6,0°C

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,001 %
Cyclohexene (G.C.) ..... 0,01 %
Cyclopentane (G.C.) ..... 0,05 %
Methylcyclohexane (G.C.) ..... 0,05 %
Reducing substances to $KMnO_4$ ..... p/t.
Darkened substances by H_2SO_4 ..... p/t.
Aromatic compounds (U.V.) (as C_6H_6) ..... 0,01 %
Sulphur compounds (as S) ..... 0,002 %
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,02 %
Thiophene ..... p/t.

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131250.1611	1000 ml	6
131250.1612	2,5 l	4
131250.0314	5 l	4
131250.0316	25 l	

Cyclohexane PRS

C_6H_{12}

M: 84,16 CAS: 110-82-7 EINECS: 203-806-2 NC: 2902 11 00 UN: 1145
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn N
R: 11-38-65-67-50/53 S: 9-16-25-33-51-60-61-62
CE: 601-017-00-1
1l~0,778kg 1kg~1,285l
SPECIFICATIONS:

Assay (G.C.)	99,5 %
Identity	IR p/t.
Density at 20/4	0,776-0,780
Non-volatile matter	0,005 %
Cyclohexene (G.C.)	0,05 %
Aromatic compounds (UV) (as C_6H_6)	0,05 %
Sulphur compounds (as S)	0,005 %
Acidity	0,001 meq/g
Water (H_2O)	0,05 %
Cu	0,00002 %
Fe	0,00005 %
Ni	0,00002 %
Pb	0,00002 %

Order code	Package	Units/Box st.
141250.1611	1000 ml	6
141250.1612	2,5 l	4
141250.0314	5 l	4
141250.0616	25 l	

Cyclohexane, 99,5% PS

C_6H_{12}

M: 84,16 CAS: 110-82-7 EINECS: 203-806-2 NC: 2902 11 00 UN: 1145
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn N
R: 11-38-65-67-50/53 S: 9-16-25-33-51-60-61-62
CE: 601-017-00-1
1l~0,778kg 1kg~1,285l
SPECIFICATIONS:

Minimum assay (G.C.)	99,5 %
Identity	IR p/t.
Density at 20/4	0,776-0,780
Non-volatile matter	0,005 %
Water (H_2O)	0,02 %

Order code	Package	Units/Box st.
161250.1611	1000 ml	6
161250.1612	2,5 l	4
161250.1714	5 l	4
161250.0616	25 l	

Cyclohexane QP

C_6H_{12}

M: 84,16 CAS: 110-82-7 EINECS: 203-806-2 NC: 2902 11 00 UN: 1145
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn N
R: 11-38-65-67-50/53 S: 9-16-25-33-51-60-61-62
CE: 601-017-00-1
1l~0,778kg 1kg~1,285l
SPECIFICATIONS:

Assay (G.C.)	99,5 %
Density at 20/4	0,776-0,780
Acidity	0,005 meq/g
Water (H_2O)	0,1 %

Order code	Package	Units/Box st.
211250.1611	1000 ml	6
211250.1714	5 l	4
211250.0616	25 l	
211250.0619	200 l	

1,3-Cyclohexanedione, 98% stabilized with 3% sodium chloride PS

$C_6H_8O_2$

M: 112,13 CAS: 504-02-9 EINECS: 207-980-0 NC: 2914 29 00
SPECIFICATIONS:

Minimum assay	98 %

Order code	Package	Units/Box st.
15A201.1608	100 g	6
15A201.1610	500 g	6

Cyclohexane/Ethyl Acetate

(see Mixture Cyclohexane/Ethyl Acetate)

Cyclohexanol PRS

$C_6H_{12}O$

M: 100,16 CAS: 108-93-0 EINECS: 203-630-6 NC: 2906 12 00
HAZARDOUS:
Xn
R: 20/22-37-38 S: 24/25 CE: 603-009-00-3
1l~0,95kg 1kg~1,05l
SPECIFICATIONS:

Assay (G.C.)	99 %
Identity	IR p/t.
Freezing point	>22,0°C
Non-volatile matter	0,05 %
Cyclohexanone (G.C.)	0,5 %
Acidity (as CH_3COOH)	0,01 %
Water (H_2O)	0,2 %
Cu	0,00002 %
Fe	0,00005 %
Ni	0,00002 %
Pb	0,00002 %

Order code	Package	Units/Box st.
141260.1611	1000 ml	6
141260.1612	2,5 l	4
141260.1214	5 l	4
141260.0716	25 l	

Cyclohexanol, 99% PS

$C_6H_{12}O$

M: 100,16 CAS: 108-93-0 EINECS: 203-630-6 NC: 2906 12 00
HAZARDOUS:
Xn
R: 20/22-37-38 S: 24/25 CE: 603-009-00-3
1l~0,95kg 1kg~1,05l
SPECIFICATIONS:

Minimum assay (G.C.)	99 %
Identity	IR p/t.
Water (H_2O)	0,1 %

Order code	Package	Units/Box st.
161260.1211	1000 ml	6
161260.1212	2,5 l	4
161260.1714	5 l	4
161260.0616	25 l	

Cyclohexanone PA-ACS

$CH_2(CH_2)_4CO$

M: 98,14 CAS: 108-94-1 EINECS: 203-631-1 NC: 2914 22 00 UN: 1915
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
Xn
R: 10-20 S: 25 CE: 606-010-00-7
1l~0,947kg 1kg~1,056l
SPECIFICATIONS:

Minimum assay (G.C.)	99,5 %
Identity	IR p/t.
Density at 20/4	0,945-0,948

MAXIMUM LIMIT OF IMPURITIES

APHA colour	10
Non-volatile matter	0,05 %
Water (H_2O)	0,05 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,02	Ge	0,05	S	0,2
Au	0,05	Hg	0,02	Sb	0,02
B	0,05	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,2	Ti	0,02
Ca	1	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131890.1611	1000 ml	6

Cyclohexanone, 99,5% PS

$CH_2(CH_2)_4CO$

M: 98,14 CAS: 108-94-1 EINECS: 203-631-1 NC: 2914 22 00 UN: 1915
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
Xn
R: 10-20 S: 25 CE: 606-010-00-7
1l~0,947kg 1kg~1,056l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,945-0,948
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
161890.1611	1000 ml	6
161890.1612	2,5 l	4
161890.1714	5 l	4
161890.0616	25 l	

Cyclohexanone QP

$CH_2(CH_2)_4CO$

M: 98,14 CAS: 108-94-1 EINECS: 203-631-1 NC: 2914 22 00 UN: 1915
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
Xn
R: 10-20 S: 25 CE: 606-010-00-7
1l~0,947kg 1kg~1,056l
SPECIFICATIONS:
Assay (G.C.) ..... 99 %
Density at 20/4 0,945-0,948
Water (H_2O) ..... 0,5 %

Order code	Package	Units/Box st.
211890.1214	5 l	4
211890.0716	25 l	

Cyclohexene, 99% stabilized with ~100 ppm of BHT PS

$CH{=}CH(CH_2)_3CH_2$

M: 82,15 CAS: 110-83-8 EINECS: 203-807-8 NC: 2902 19 80 UN: 2256
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn
R: 11-22 S: 9-16-23c-33
1l~0,812kg 1kg~1,232l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,810-0,813

Order code	Package	Units/Box st.
15A747.1610	500 ml	6
15A747.1611	1000 ml	6

Cycloheximide PB

$C_{15}H_{23}NO_4$

M: 281,39 CAS: 66-81-9 EINECS: 200-636-0 NC: 2941 90 00 UN: 2811
IMDG: 6.1/I ADR: 6.1/I IATA: 6.1/I PAX: 606 CAO: 607
HAZARDOUS:
T+ N
R: 61-E28-51/53 S: 53-45-61 CE: 613-140-00-8
SPECIFICATIONS:
Identity ..... IR p/t.
Specific rotation $[\alpha]^{20}/D$ c=1 (in chloroform) ..... -25 to -28°
MAXIMUM LIMIT OF IMPURITIES
Water (H_2O) ..... 0,3 %

Order code	Package	Units/Box st.
375266.1603	1 g	6
375266.1604	5 g	6
375266.1606	25 g	6

Cyclohexylamine, 99% PS

$C_6H_{13}N$

M: 99,18 CAS: 108-91-8 EINECS: 203-629-0 NC: 2921 30 10 UN: 2357
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
C
R: 10-21/22-34 S: 36/37/39-45 CE: 612-050-00-6
1l~0,866kg 1kg~1,154l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,865-0,867
Water (H_2O) ..... 0,3 %

Order code	Package	Units/Box st.
15A748.1611	1000 ml	6
15A748.0716	25 l	

2-Cyclohexylaminoethanosulphonic Acid PB

$C_8H_{17}NO_3S$

M: 207,29 CAS: 103-47-9 EINECS: 203-115-6 NC: 2921 30 99
SPECIFICATIONS:
Minimum assay ..... 99,0 %
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C ..... 0,5 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
ABS at λ260 nm of 0,5 mol/l sol. in H_2O 0,05
ABS at λ280 nm of 0,5 mol/l sol. in H_2O 0,05

Order code	Package	Units/Box st.
376140.1206	25 g	6
376140.1209	250 g	6

3-(Cyclohexylamino) 2-Hydroxy-1-Propanesulphonic Acid PB

$C_9H_{19}NO_4S$

M: 237,32 CAS: 73463-39-5 NC: 2924 19 00
SPECIFICATIONS:
Minimum assay ..... 99 %
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying ..... 1 %
Residue on ignition ..... 0,1 %
Chloride (Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,05 %
ABS at λ260 nm 0,5 mol/l sol. in H_2O 0,05
ABS at λ280 nm 0,5 mol/l sol. in H_2O 0,05

Order code	Package	Units/Box st.
376139.1606	25 g	6
376139.1609	250 g	6

3-Cyclohexylaminopropanesulphonic Acid PB

$C_9H_{19}NO_3S$

M: 221,31 CAS: 1135-40-6 EINECS: 214-492-1 NC: 2924 19 00
SPECIFICATIONS:
Minimum assay ..... 99,0 %
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C ..... 1 %
Residue on ignition (as SO_4) ..... 0,05 %
ABS at λ260 nm of 0,05 mol/l sol. in H_2O 0,02
ABS at λ280 nm of 0,05 mol/l sol. in H_2O 0,02

Order code	Package	Units/Box st.
376138.1206	25 g	6
376138.1209	250 g	6

Cyclopentanol, 99% PS

$C_5H_{10}O$

M: 86,13 CAS: 96-41-3 EINECS: 202-504-8 NC: 2906 19 00 UN: 2244
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
R: 10 S: 16
1l~0,949kg 1kg~1,054l
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A087.1610	500 ml	6

Cyclopentanone, 99% PS

C_5H_8O

M: 84,12 CAS: 120-92-3 EINECS: 204-435-9 NC: 2914 29 00 UN: 2245
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
F Xi
R: 10-36/38 S: 23c CE: 606-025-009
1l~0,951kg 1kg~1,051l
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A090.1609	250 ml	6
15A090.1611	1000 ml	6

Cyclopentyl Chloride

(see Chlorocyclopentane)

Cyclopropanecarbonyl Chloride, 95% PS

C_4H_5ClO

M: 104,54 CAS: 4023-34-1 EINECS: 223-684-4 NC: 2918 99 90 UN: 2920
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

T **R: 10-25-34 S: 16-26-28a-36/37/39-45**
1l~1,152kg 1kg~0,868l
SPECIFICATIONS:
Assay ..... 95 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A048.1606	25 ml	6
15A048.1608	100 ml	6

Cyclopropanecarboxylic Acid, 98% PS

$C_4H_6O_2$

M: 86,09 CAS: 1759-53-10 EINECS: 217-162-5 NC: 2916 20 00 UN: 3265
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C **R: 34 S: 26-36/37/39**
1l~1,088kg 1kg~0,919l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A046.1607	50 ml	6
15A046.1609	250 ml	6

Cyclopropyl Bromide, 98% PS

C_3H_5Br

M: 120,98 CAS: 4333-56-6 EINECS: 224-375-7 NC: 2903 59 80 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F **R: 11 S: 9-16-33**
1l~1,512kg 1kg~0,661l
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A054.1604	5 ml	6
15A054.1606	25 ml	6

Cyclopropylcarbonitrile

(see Cyclopropyl Cyanide)

Cyclopropyl Cyanide, 98% PS

C_4H_5N

M: 67,09 CAS: 5500-21-0 EINECS: 226-836-8 NC: 2926 90 95 UN: 2929
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:

T **R: 10-23/24/25 S: 28a-36/37-45**
1l ~0,911kg 1kg~1,097l
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A044.1606	25 ml	6
15A044.1608	100 ml	6

Cyclopropylmethanol, 98% PS

C_4H_8O

M: 72,11 CAS: 2516-33-8 EINECS: 219-735-5 NC: 2906 19 00 UN: 2920
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C **R: 22-10-34 S: 16-26-36/37/39-45**
1l~0,89kg 1kg~1,12l
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A042.1606	25 ml	6
15A042.1609	250 ml	6

Cyclopropylmethylamine, 96% PS

C_4H_8N

M: 71,12 CAS: 2516-47-4 EINECS: 219-737-6 NC: 2921 30 99 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36/37/38 S: 16-24/25**
1l~0,820kg 1kg~1,219l
SPECIFICATIONS:
Minimum assay ..... 96 %

Order code	Package	Units/Box st.
15A040.1603	1 ml	6
15A040.1604	5 ml	6

Cyclopropylmethyl Bromide

(see Bromomethylcyclopropane)

Cyclopropylmethylketone, 98% PS

C_5H_8O

M: 84,12 CAS: 765-43-5 EINECS: 212-146-4 NC: 2914 29 00 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F **R: 11 S: 16**
1l~0,898kg 1kg~1,113l
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A038.1606	25 ml	6
15A038.1608	100 ml	6

D-Cycloserine PB

$C_3H_6N_2O_2$

M: 102,09 CAS: 68-41-7 EINECS: 200-688-4 NC: 2941 90 00
SPECIFICATIONS:
Assay (µg/mg) 900
Identity ..... IR p/t.
Specific rotation $[\alpha]^{25}$/D c=5, in NaOH 2mol/l ..... +108 to +114°

Order code	Package	Units/Box st.
375503.1603	1 g	6
375503.1604	5 g	6
375503.1606	25 g	6

Cystamine Dihydrochloride

(see Cystaminium Dichloride)

Cystaminium Dichloride, 99% PS

$C_4H_{14}Cl_2N_2S_2$

M: 225,20 CAS: 56-17-7 EINECS: 200-260-7 NC: 2930 90 85
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.
Melting range ..... 214-220°C

Order code	Package	Units/Box st.
15B675.1608	100 g	6

L-Cysteine, 99% PS

$C_3H_7NO_2S$

M: 121,16 CAS: 52-90-4 EINECS: 200-158-2 NC: 2930 90 13
HAZARDOUS:

Xn **R: 22**
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B512.1206	25 g	6
15B512.1208	100 g	6

DERQUIM

Detergentes de laboratorio
Laboratory detergents
Détergents de laboratoire

L-Cysteine mono-Hydrochloride PB

$C_3H_8ClNO_2S$

M: 157,62 CAS: 52-89-1 EINECS: 200-157-7 NC: 2930 90 16

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 99,0 %
Identity ..... IR p/t.
T.L.C ..... p/t.
Specific rotation $[\alpha]^{20}/D$ c=8 (in HCl 6 mol/l) ..... +5,7 to +6,8°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,05 %
Loss on drying ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,05 %
ABS at λ260 nm. sol. 1 mol/l in H_2O 1,0
ABS at λ280 nm. sol. 1 mol/l in H_2O 0,2
Chloride (Cl) ..... 22,0-23,0 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0005 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
372055.1206	25 g	6
372055.1208	100 g	6

L-Cystine PB

$C_6H_{12}N_2O_4S_2$

M: 240,30 CAS: 56-89-3 EINECS: 200-296-3 NC: 2930 90 13

SPECIFICATIONS:

Minimum assay (N deter.) ..... 98,0 %
Identity ..... IR p/t.
T.L.C ..... p/t.
Specific rotation $[\alpha]^{20}/D$ c=2
(in HCl 1 mol/l) ..... -215 to -225°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl ..... 0,05 %
Loss on drying ..... 0,5 %
Sulphate (SO_4) ..... 0,02 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00015 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
373645.1206	25 g	6
373645.1208	100 g	6

L-Cystine (E-921, F.C.C.) ADITIO

$C_6H_{12}N_2O_4S_2$

M: 240,30 CAS: 56-89-3 EINECS: 200-296-3 NC: 2930 90 13

SPECIFICATIONS:

Assay (as $C_6H_{12}N_2O_4S_2$) calc. a.d.s 98,5-101,5%
Lead, not more than ..... 5 ppm
Loss on drying, not more than ..... 0,2 %
Residue on ignition, not more than ..... 0,1 %
Spec.Rot. (after drying) $[\alpha]^{20}/D$ c=2 (in HCl 1 mol/l) ..... -215 to -225°
Specifications F.C.C. 6

Order code	Package	Units/Box st.
203645.1208	100 g	6

L-Cystine, 98% PS

$C_6H_{12}N_2O_4S_2$

M: 240,30 CAS: 56-89-3 EINECS: 200-296-3 NC: 2930 90 13

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
153645.1207	50 g	6
153645.1209	250 g	6
153645.1211	1000 g	6

DBPC

(see 2,6-Di-tert-Butyl-4-Methylphenol)

DCA

(see Dichloroacetic Acid)

DCC

(see N,N'-Dicyclohexylcarbodiimide)

DCPD

(see Dicyclopentadiene)

D & C Red 19

(see Rhodamine B)

D & C Yellow 1

(see Metanil Yellow)

DDQ

(see 2,3-Dichloro-5,6-Dicyano-1,4-Benzoquinone)

DDTC Sodium Salt

(see Sodium Diethyldithiocarbamate 3-hydrate)

1,1,1,2,3,4,4,5,5,5-Decafluoropentane, 99,5% PS

$C_5H_2F_{10}$

M: 252,05 CAS: 138495-42-8 NC: 2903 39 90

HAZARDOUS:

Xi **R: 36/37/38 S: 26-37/39**

1l~1,595kg 1kg~0,627l

SPECIFICATIONS:

Assay (G.C.) (Fluoropentanes mixture) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 1,593-1,597
Water (H_2O) ..... 0,01 %

Order code	Package	Units/Box st.
15C362.1611	1000 ml	6

Decahydronaphthalene, 98% isomers mixture PS

$C_{10}H_{18}$

M: 138,25 CAS: 91-17-8 EINECS: 202-046-9 NC: 2902 19 80 UN: 1147

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

C **R: 20-34 S: 26-36/37/39-45**

1l~0,883kg 1kg~1,133l

SPECIFICATIONS:

Minimum assay (G.C.) (cis+trans) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,880-0,885
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
15A758.1611	1000 ml	6
15A758.1612	2,5 l	4
15A758.1714	5 l	4

Decalcifier for pathological anatomy

(see Histofix)

Decalin

(see Decahydronaphthalene)

Decanoic Acid, 98% PS

CH_3-$(CH_2)_8$-COOH

M: 172,27 CAS: 334-48-5 EINECS: 206-376-4 NC: 2915 90 80

HAZARDOUS:

Xi **R: 36/38 S: 22-24/25**

1l~0,886kg 1kg~1,128l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 30-33°C

Order code	Package	Units/Box st.
162785.1610	500 ml	6
162785.1611	1000 ml	6
162785.1214	5 l	4

Decanoic Acid Chloride

(see Decanoyl Chloride)

Decanoic Acid Methyl Ester

(see Methyl Decanoate)

Decanoyl Chloride, 98% PS

$C_{10}H_{19}ClO$

M: 190,71 CAS: 112-13-0 EINECS: 203-938-0 NC: 2915 90 80 UN: 3265
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C

R: 34 S: 26-36/37/39-45
1l~0,933kg 1kg~1,072l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,932-0,935

Order code	Package	Units/Box st.
15A759.1608	100 ml	6

Dehydrated Culture Media for Microbiology

(see chapter CULTIMED products)

Dehydrating solvent for pathological anatomy

(see Vitrosec)

2-Deoxy-D-Galactose PB

$C_6H_{12}O_5$

M: 164,16 CAS: 1949-89-9 EINECS: 217-765-3 NC: 1702 90 99
SPECIFICATIONS:
Minimum assay (HPLC) ..... 99 %
Identity ..... IR p/t.
Appearance ..... p/t.
Melting range ..... 113-119°C
Specific rotation $[\alpha]^{20}/D$ c=2 (in H_2O) ..... +55 to +59°

Order code	Package	Units/Box st.
375785.1602	0,5 g	6

6-Deoxy-D-Galactose

(see D(+)-Fucose)

6-Deoxy-L-Galactose

(see L(-)-Fucose)

2-Deoxy-D-Glucose PB

$C_6H_{12}O_5$

M: 164,16 CAS: 154-17-6 EINECS: 205-823-0 NC: 2940 00 00
SPECIFICATIONS:
Melting range ..... 149-151°C
Specific rotation $[\alpha]^{20}/D$ c=1 (in H_2O) ..... +44,5 to +46,5°

Order code	Package	Units/Box st.
375884.1603	1 g	6
375884.1604	5 g	6

6-Deoxy-L-Mannose

(see L(+)-Rhamnose 1-hydrate)

2-Deoxy-D-Ribose PB

$C_5H_{10}O_4$

M: 134,1 CAS: 533-67-5 EINECS: 208-573-0 NC: 2940 00 00
SPECIFICATIONS:
Minimum assay ..... 97,5 %
Specific rotation ..... -55,0 to 57,5°
MAXIMUM LIMIT OF IMPURITIES
APHA colour 100
Loss on drying ..... 1,0 %
Residue on ignition ..... 0,5 %
Heavy metals (as Pb) ..... 0,002 %

Order code	Package	Units/Box st.
375828.1603	1 g	6
375828.1604	5 g	6

DERQUIM, DETERGENTS FOR WASHING OF LABORATORY MATERIAL

DERQUIM + Universal Detergent, LIQUID

Biodegradable, without phosphates
NC: 3402 20 90
HAZARDOUS:

Xn

R: 22 S: 45
1l~1,14kg 1kg~0,88l

Order code	Package	Units/Box st.
503574.1211	1000 ml	6
503574.1231	3 l	4
503574.1214	5 l	4
503574.1315	10 l	(*)

(*) Sol-Pack pack with tap

DSF Disinfectant:

DERQUIM DSF 01 Antiseptic for hands LIQUID

for disinfecting hands
NC: 3402 20 90 UN: 1993
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

F Xn

R: 10-22 S: 7-16-45
1l~0,97kg 1kg~1,03l
SPECIFICATIONS:
Density at 20/4 0,960-0,975
pH of 1% solution 5-6
Disinfectant activity (minimum inhibitor concentration)
E. coli ..... 2,5 %
S. aureus ..... 5,0 %
A. niger ..... 2,0 %

Order code	Package	Units/Box st.
504993.1211	1000 ml	6
504993.1231	3 l	4

DERQUIM DSF 11 Antiseptic for surfaces and implements, LIQUID

for disinfecting floors, walls and objects
NC: 3402 20 90 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:

Xi

R: 22-36/38-43 S: 7-26-28a-45
1l~1,01kg 1kg~0,99l
SPECIFICATIONS:
Density at 20/4 1,005-1,015
Disinfectant activity (minimum inhibitor concentration)
E. coli ..... 0,5 %
S. aureus ..... 1 %
A. niger ..... 0,2 %

Order code	Package	Units/Box st.
504994.1211	1000 ml	6
504994.1231	3 l	4
504994.1214	5 l	4
504994.1315	10 l	(*)

LA Automatic Wash:

DERQUIM LA 11 Slightly alkaline SOLID

free of surfactant substances.Solid in powder. pH (3 g/l solution) ~11,2. Soft residues removing.
NC: 3402 20 90 UN: 3262
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:

C Xn

R: 22-34 S: 22-26-36/37/39-45

Order code	Package	Units/Box st.
502603.1245	2 kg	4
502603.0415	10 kg	
502603.0416	25 kg	

DERQUIM LA 12 Alkaline SOLID

free of surfactant substances.Solid in powder. pH (3 g/l solution) ~12,3. Removing of dry residues.
NC: 3402 20 90 UN: 3262
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C Xn

R: 22-35 S: 22-26-36/37/39-45

Order code	Package	Units/Box st.
502604.1245	2 kg	4
502604.0415	10 kg	
502604.0416	25 kg	

DERQUIM LA 13 Alkaline with detergents SOLID

Solid in powder. pH (3 g/l solution) ~12,2. Grease removing.
NC: 3402 20 90 UN: 3262
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C Xn

R: 22-35 S: 22-26-36/37/39-45

Order code	Package	Units/Box st.
502605.1245	2 kg	4
502605.0415	10 kg	
502605.0416	25 kg	

DERQUIM LA 14 Slightly alkaline LIQUID

free of surfactant substances.pH (4 ml/l solution) ~11,2. Soft residues removing.

NC: 3402 20 90 UN: 3266

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

C Xn R: 22-35 S: 26-36/37/39-45

1l~1,350kg 1kg~0,741l

Order code	Package	Units/Box st.
502606.1231	3 l	4
502606.1214	5 l	4
502606.1315	10 l	(*)
502606.0716	25 l	

DERQUIM LA 15 Alkaline LIQUID

free of surfactant substances.pH (4 ml/l solution) ~12,2. Removing of dry residues.

NC: 3402 20 90 UN: 3266

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

C Xn R: 22-35 S: 26-36/37/39-45

1l~1,425kg 1kg~0,702l

Order code	Package	Units/Box st.
502607.1231	3 l	4
502607.1214	5 l	4
502607.1315	10 l	(*)
502607.0716	25 l	

DERQUIM LA 21 Acid, with phosphoric acid LIQUID

free of surfactant substances.Acid solution with anticorrosive protection. pH (2 ml/l solution) ~2,0. Pre-washing agent and neutralizer in post-washing.

NC: 3402 20 90 UN: 3264

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

C Xn R: 22-34 S: 26-36/37/39-45

1l~1,375kg 1kg~0,727l

Order code	Package	Units/Box st.
502608.1231	3 l	4
502608.1214	5 l	4
502608.1315	10 l	(*)
502608.0716	25 l	

DERQUIM LA 22 Acid, with citric acid LIQUID

free of phosphates. Solution for washing and neutralization. pH (2 ml/l solution) ~3,0.

NC: 3402 20 90

HAZARDOUS:

Xn R: 22-36/38 S: 26-45

1l~1,15kg 1kg~0,870l

Order code	Package	Units/Box st.
502609.1231	3 l	4
502609.1214	5 l	4
502609.1315	10 l	(*)
502609.0716	25 l	

Automatic Wash Auxiliaries:

DERQUIM LA 31 Antifoaming

auxiliary antifoaming LIQUID

NC: 3402 20 90

HAZARDOUS:

Xn R: 22 S: 45

1l~0,993kg 1kg~1,007l

Order code	Package	Units/Box st.
502610.1231	3 l	4

DERQUIM LA 32 Rinsing

Biodegradable, auxiliary, rinsing, phosphates free LIQUID

NC: 3402 20 90

HAZARDOUS:

Xn R: 22 S: 45

1l~1,040kg 1kg~0,962l

Order code	Package	Units/Box st.
502611.1231	3 l	4

DERQUIM SALT (Sodium Chloride lumps)

for deliming of water

NaCl

M: 58,44 CAS: 7647-14-5 EINECS: 231-598-3 NC: 2501 00 10

Order code	Package	Units/Box st.
503468.0415	10 kg	
503468.0416	25 kg	

LM Manual Wash:

DERQUIM LM 01 Alkaline LIQUID

pH solution 2%: 11-12. General use.

NC: 3402 20 90

HAZARDOUS:

Xi R: 22-36/38 S: 26-45

1l~1,070kg 1kg~0,935l

Order code	Package	Units/Box st.
502600.1231	3 l	4
502600.1214	5 l	4
502600.1315	10 l	(*)
502600.0716	25 l	

DERQUIM LM 02 Neutral, phosphates free LIQUID

pH solution 2%: 8-9. General use for sensitive material.

NC: 3402 20 90

HAZARDOUS:

Xn R: 22 S: 45

1l~1,01kg 1kg~0,99l

Order code	Package	Units/Box st.
502601.1231	3 l	4
502601.1214	5 l	4
502601.1315	10 l	(*)
502601.0716	25 l	

DERQUIM LM 03 Phosphates free LIQUID

pH solution 2%: 12-13. General use.

NC: 3402 20 90 UN: 1760

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

Xi R: 22-36/38 S: 26-45

1l~1,045kg 1kg~0,957l

Order code	Package	Units/Box st.
502602.1231	3 l	4
502602.1214	5 l	4
502602.1315	10 l	(*)
502602.0716	25 l	

Manual Wash Auxiliar:

DERQUIM MC Chromic Mixture

Brown and viscous solution, highly corrosive and oxidizer. For organical residue which can not be eliminated by detergents. D20/4>1,80.

NC: 2841 50 00 UN: 2240

IMDG: 8/I ADR: 8/I IATA: 8/I PAX: 807 CAO: 809

HAZARDOUS:

O T C N R: 49-46-8-35-43-51/53
S: 26-28a-30-36/37/39-45-60-61

1l~1,826kg 1kg~0,548l

SPECIFICATIONS:

Density at 20/4 .....>1,80

Order code	Package	Units/Box st.
502612.2211	1000 ml	6

DERQUIM OXY (Substitute of Chromic Mixture) SOLID

preparation of oxidizing mixture with sulphuric acid for the cleaning of glass material

CAS: 7727-54-0 EINECS: 231-786-5 NC: 2833 40 00 UN: 1444

IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

HAZARDOUS:

O Xn R: 8-22-36/37/38-42/43 S: 22-24-26-37 CE: 016-060-00-6

Order code	Package	Units/Box st.
506071.2322	12 x 10 g	6

(*) Sol-Pack pack with tap

Detergent Acid Solution RE

NC: 3822 00 00 UN: 3265
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/38 S: 26
1l~1,031kg 1kg~0,970l
Composition:
N-Cetyl-N,N,N-Trimethylammonium Bromide (in H_2SO_4 1 N).....20 g/l

Order code	Package	Units/Box st.
175055.1211	1000 ml	6
175055.1214	5 l	4

Detergent Neutral Solution RE

NC: 3822 00 00
1l~1,020kg 1kg~0,980l
Composition:
Sodium Dodecyl Sulphate.....30,0 g/l
Ethylenediaminetetraacetic Acid Disodium Salt 2-hydrate.....18,6 g/l
di-Sodium tetra-Borate 10-hydrate.....6,8 g/l
di-Sodium Hydrogen Phosphate anhydrous.....4,6 g/l
Triethylene Glycol.....10 ml/l
pH: 7,0±0,1

Order code	Package	Units/Box st.
175054.1211	1000 ml	6
175054.1214	5 l	4

Detergents for washing of laboratory material

(see DERQUIM)

Deuterium Oxide deuteration degree min. 99,98% (NMR) PAI

D_2O
M: 20,03 CAS: 7789-20-0 EINECS: 232-148-9 NC: 2845 10 00
1l~1,11kg 1kg~0,90l
SPECIFICATIONS:
Deuteration degree min.....99,98 %
NMR suitability.....p/t.

Order code	Package	Units/Box st.
745851.02130	10 x 0,75 ml	6
745851.1905	vial with septum 10 ml	6

Deuterium Oxide deuteration degree min. 99,8% (NMR) PAI

D_2O
M: 20,03 CAS: 7789-20-0 EINECS: 232-148-9 NC: 2845 10 00
1l~1,11kg 1kg~0,90l
SPECIFICATIONS:
Deuteration degree min.....99,8 %
NMR suitability.....p/t.

Order code	Package	Units/Box st.
745849.1905	vial with septum 10 ml	6
745849.1608	100 ml	6
745849.1610	500 ml	6

Dextrin Yellow PS

$(C_6H_{10}O_5)_n.xH_2O$
M: (162,08)n CAS: 9004-53-9 EINECS: 232-675-4 NC: 3505 10 10
SPECIFICATIONS:
Identity.....IR p/t.
Loss on drying.....8 %

Order code	Package	Units/Box st.
15B002.1209	250 g	6
15B002.1211	1000 g	6

Dextrose

(see D(+)-Glucose)

DHP

(see 3,4-Dihydro-2H-Pyran)

Diacetone Alcohol

(see 4-Hydroxy-4-Methyl-2-Pentanone)

Diacetyl

(see 2,3-Butanedione)

Diacetyl Dioxime

(see Dimethylglyoxime)

Diacetyldioxime di-Sodium Salt

(see Dimethylglyoxime di-Sodium Salt 8-hydrate)

Diacetylmonoxime PA

$CH_3COC(CH_3)NOH$
M: 101,11 CAS: 57-71-6 EINECS: 200-348-5 NC: 2928 00 90
SPECIFICATIONS:
Minimum assay (N deter.).....99,0 %
Identity.....IR p/t.
Melting range.....74-76°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O.....p/t.
Insoluble matter in C_2H_5OH.....p/t.
Residue on ignition (as SO_4).....0,05 %
Sensitivity to urea.....p/t.
Sulphate (SO_4).....0,01 %
Cu.....0,001 %
Fe.....0,001 %
Ni.....0,001 %
Pb.....0,001 %

Order code	Package	Units/Box st.
122090.1606	25 g	6
122090.1608	100 g	6

2,6-Diaminocaproic Acid

(see Lysine)

(1R,2R)-Diaminocyclohexane, ≤0,1% cis, ee ≥ 99,8%

(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

(1R,2R)-Diaminocyclohexane, ≤0,5% cis, ee ≥ 99%

(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

(1R,2R)-Diaminocyclohexane, ≤2% cis, ee ≥ 96%

(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

(1S,2S)-Diaminocyclohexane, ≤0,1% cis, ee ≥ 99,8%

(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

(1S,2S)-Diaminocyclohexane, ≤0,5% cis, ee ≥ 99%

(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

(1S,2S)-Diaminocyclohexane, ≤2% cis, ee ≥ 96%

(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

1,2-Diaminocyclohexane-N,N,N',N',-Tetraacetic Acid 1-hydrate (Reag. Ph. Eur.) PA-ACS

$C_{14}H_{22}N_2O_8.H_2O$
M: 364,36 CAS: 125572-95-4 EINECS: 236-308-9 NC: 2922 49 95
SPECIFICATIONS:
Assay (Compl.).....97,5-100,5%
Identity.....IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in NaOH.....p/t.
Residue on ignition (as SO_4).....0,2 %
Heavy metals (as Pb).....0,001 %
Fe.....0,005 %

Order code	Package	Units/Box st.
133534.1206	25 g	6
133534.1208	100 g	6

4,4'-Diaminobiphenyl

(see Benzidine)

1,2-Diaminoethane

(see Ethylenediamine)

1,6-Diaminohexane

(see Hexamethylenediamine)

2,6-Diaminohexanoic Acid

(see Lysine)

3,8-Diamino-5-Methyl-6-Phenylphenanthridinium Bromide (Reag. Ph. Eur.) PA

for determination of surfactants
$C_{20}H_{18}BrN_3$
M: 380,30 CAS: 518-67-2 EINECS: 208-256-7 NC: 2933 99 90
SPECIFICATIONS:
Minimum assay (Spectrophotometric) (a.d.s.).....95 %
Identity.....IR p/t.
λ of max. ABS. in CH_3OH.....520-524 nm
A 1%, 1 cm, λmax.....>150
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C.....5 %
Suitability for determination of surfactants.....p/t.

Order code	Package	Units/Box st.
122844.1603	1 g	6
122844.1604	5 g	6

2,5-Diaminopentanoic Acid
(see Ornithine)

3,4-Diaminopyridine, 98% PS
$C_5H_7N_3$
M: 109,13 CAS: 54-96-6 EINECS: 200-220-9 NC: 2933 39 99 UN: 2811
IMDG: 6.1/I ADR: 6.1/I IATA: 6.1/I PAX: 606 CAO: 607
HAZARDOUS:
T
R: 25-36/37/38 S: 26-37/39-45-28a
SPECIFICATIONS:
Minimum assay (Perchl. Ac.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 217-220°C

Order code	Package	Units/Box st.
15A637.1603	1 g	6
15A637.1604	5 g	6

Diaphragms Cleaning Solution RV
for cleaning electrode diaphragms
NC: 3822 00 00 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 914 CAO: 914
HAZARDOUS:
N
R: 51 S: 61
1l~1,013kg 1kg~0,987l
Composition:
Thiourea ..... 5,0 g
Hydrochloric Acid 0,1 mol/l s.q.m ..... 100 ml

Order code	Package	Units/Box st.
285251.1209	250 ml	6

Diatomaceous Earth
(see Siliceous Earth purified and calcined)

Dibenzoyl
(see Benzil)

Dibenzoyl Peroxide
(see Benzoyl Peroxide)

1,3-Dibromobenzene, 97% PS
$C_6H_4Br_2$
M: 235,91 CAS: 108-36-1 EINECS: 203-574-2 NC: 2903 69 90
HAZARDOUS:
R: 36/37/38 S: 24/25
1l~1,955kg 1kg~0,511l
SPECIFICATIONS:
Assay ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C035.1605	10 ml	6
15C035.1607	50 ml	6

5',5"-Dibromo-o-Cresolsulphonphthalein
(see Bromocresol Purple)

2,3-Dibromopropionic Acid, 98% PS
$C_3H_4Br_2O_2$
M: 231,89 CAS: 600-05-5 EINECS: 209-981-1 NC: 2915 90 80 UN: 3261
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:
C
R: 34 S: 26
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15B482.1606	25 g	6
15B482.1608	100 g	6

α,3-Dibromotoluene
(see 3-Bromobenzyl Bromide)

α,4-Dibromotoluene
(see 4-Bromobenzyl Bromide)

Di-n-Butylamine, 99% PS
$(C_4H_9)_2NH$
M: 129,25 CAS: 111-92-2 EINECS: 203-921-8 NC: 2921 19 80 UN: 2248
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
Xn
R: 10-20/21/22 CE: 612-049-00-0
1l~0,759kg 1kg~1,318l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,758-0,760
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
15A777.1611	1000 ml	6
15A777.1214	5 l	4

2,6-Di-tert-Butyl-p-Cresol
(see 2,6 Di-tert-Butyl-4-Methylphenol)

Di-tert-Butyl Dicarbonate, 98% PS
$C_{10}H_{18}O_5$
M: 218,24 CAS: 24424-99-5 EINECS: 246-240-1 NC: 2920 90 10 UN: 2929
IMDG: 6.1/I ADR: 6.1/I IATA: 6.1/I PAX: 603 CAO: 604
HAZARDOUS:
T+
R: 10-26-36/38-43 S: 28c-36/37-45
1l~1,02kg 1kg~0,98l
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A454.1606	25 ml	6
15A454.1608	100 ml	6

Di-n-Butyl Ether, 99% PS
$C_8H_{18}O$
M: 130,23 CAS: 142-96-1 EINECS: 205-575-3 NC: 2909 19 00 UN: 1149
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
Xi
R: 10-36/37/38-52/53 S: 61 CE: 603-054-00-9
1l~0,768kg 1kg~1,302l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,766-0,769
Peroxides (as H_2O_2) ..... 0,005 %*
Water (H_2O) ..... 0,1 %
*At the moment of the batch analysis

Order code	Package	Units/Box st.
165521.1611	1000 ml	6
165521.1612	2,5 l	4

3,5-Di-tert-butyl-4-Hydroxytoluene
(see 2,6-Di-tert-Butyl-4-Methylphenol)

2,6-Di-tert-Butyl-4-Methylphenol (RFE, BP, Ph. Eur.) PRS-CODEX
$C_{15}H_{24}O$
M: 220,35 CAS: 128-37-0 EINECS: 204-881-4 NC: 2907 19 90
HAZARDOUS:
Xn
R: 22-36 S: 24
SPECIFICATIONS:
Minimum assay (as $C_{15}H_{24}O$) ..... 99,0 %
Identity according to Pharmacopoieas ..... p/t.
Freezing range ..... 69,2-70°C
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in CH_3OH ..... p/t.
Residue on ignition (as SO_4) ..... 0,002 %
Related substances ..... p/t.
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0003 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
142825.1210	500 g	6
142825.1211	1000 g	6
142825.0914	5 kg	4

2,6-Di-tert-Butyl-4-Methylphenol (E-321, F.C.C.) ADITIO

$C_{15}H_{24}O$

M: 220,35 CAS: 128-37-0 EINECS: 204-881-4 NC: 2907 19 90

HAZARDOUS:

Xn

R: 22-36 S: 24

SPECIFICATIONS:

Assay (as $C_{15}H_{24}O$), not less than ..... 99,0 %
Arsenic (as As), not more than ..... 3 ppm
Phenolic impurities, not more than ..... 0,5 %
Lead, not more than ..... 5 ppm
Mercury (Hg), not more than ..... 1 ppm
Heavy metals (as Pb), not more than ..... 10 ppm
Residue on ignition, not more than ..... 0,002 %
A 1%; 1 cm; λ278 nm (ethanol) 81-88
Melting range ..... 69,2-70°C
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
202825.0914	5 kg	
202825.0416	25 kg	

2,6-Di-tert-Butyl-4-Methylphenol, 98% PS

$C_{15}H_{24}O$

M: 220,35 CAS: 128-37-0 EINECS: 204-881-4 NC: 2907 19 90

HAZARDOUS:

Xn

R: 22-36 S: 24

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 68-70°C

Order code	Package	Units/Box st.
162825.1209	250 g	6
162825.1211	1000 g	6

Di-n-Butyl Phthalate (Reag. USP, Ph. Eur.) PA

$(C_4H_9OOC)_2C_6H_4$

M: 278,35 CAS: 84-74-2 EINECS: 201-557-4 NC: 2917 34 10 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 914 CAO: 914

HAZARDOUS:

T N

R: 61-50-62 S: 53-45-61 CE: 607-318-00-4

1l~1,047kg 1kg~0,955l

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99 %
Identity ..... IR p/t.
Density at 20/20 1,045-1,048
Refractive index n 20/D 1,491-1,493

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition (as SO_4) ..... 0,01 %
Acidity ..... 0,02 %
Water (H_2O) ..... 0,05 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
121937.1608	100 ml	6
121937.1611	1000 ml	6

Di-n-Butyl Phthalate PRS

$(C_4H_9OOC)_2C_6H_4$

M: 278,35 CAS: 84-74-2 EINECS: 201-557-4 NC: 2917 34 10 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 914 CAO: 914

HAZARDOUS:

T N

R: 61-50-62 S: 53-45-61 CE: 607-318-00-4

1l~1,047kg 1kg~0,955l

SPECIFICATIONS:

Assay (C.G.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,045-1,048
Residue on ignition (as SO_4) ..... 0,01 %
1-Butanol (G.C.) ..... 0,2 %
Acidity (as $C_8H_6O_2$) 0,02%
Water (H_2O) ..... 0,2 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141937.1611	1000 ml	6
141937.1214	5 l	4
141937.0716	25 l	

Di-n-Butyl Phthalate, 99% PS

$(C_4H_9OOC)_2C_6H_4$

M: 278,35 CAS: 84-74-2 EINECS: 201-557-4 NC: 2917 34 10 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 914 CAO: 914

HAZARDOUS:

T N

R: 61-50-62 S: 53-45-61 CE: 607-318-00-4

1l~1,047kg 1kg~0,955l

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
151937.1611	1000 ml	6
151937.1612	2,5 l	4

Di-n-Butyl Phthalate (RFE, BP, Ph. Eur., JP) CODEX

$(C_4H_9OOC)_2C_6H_4$

M: 278,35 CAS: 84-74-2 EINECS: 201-557-4 NC: 2917 34 10 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 914 CAO: 914

HAZARDOUS:

T N

R: 61-50-62 S: 53-45-61 CE: 607-318-00-4

1l~1,047kg 1kg~0,955l

SPECIFICATIONS:

Assay (Acidim.) ..... 99,0-101,0 %
Identity according to Pharmacopoeias ..... p/t.
Density at 20/20 1,045-1,048
Refractive index n^{20}/D 1,490-1,495

MAXIMUM LIMIT OF IMPURITIES

Appearance ..... p/t.
Loss on drying at 105°C ..... 1,0 %
Residue on ignition (as SO_4) ..... 0,01 %
Residual solvents (Ph.Eur./USP) ..... p/t
1-Butanol (G.C.) ..... 0,2 %
Acidity ..... p/t.
Related substances ..... 1,0 %
Water (H_2O) ..... 0,2 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0002 %

Order code	Package	Units/Box st.
191937.1611	1000 ml	6

Di-tert-Butyl Pyrocarbonate

(see Di-tert-Butyl Dicarbonate)

Dichlobenil

(see 2,6-Dichlorobenzonitrile)

Dichloroacetic Acid, 98% PS

$CHCl_2COOH$

M: 128,94 CAS: 79-43-6 EINECS: 201-207-0 NC: 2915 40 00 UN: 1764
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813

HAZARDOUS:

C N

R: 35-50 S: 26-45-61 CE: 607-066-00-5

1l~1,567kg 1kg~0,638l

SPECIFICATIONS:

Minimum assay (G.C.) (as methyl ester) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,566-1,568

Order code	Package	Units/Box st.
15A678.1609	250 ml	6
15A678.1611	1000 ml	6

3',4'-Dichloroacetophenone, 98% PS

$C_8H_6Cl_2O$

M: 189,04 CAS: 2642-63-9 EINECS: 220-146-0 NC: 2914 39 00

HAZARDOUS:

Xn

R: 22 S: 46

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C043.1206	25 g	6
15C043.1208	100 g	6

3,4-Dichlorobenzaldehyde, 98% PS

$C_7H_4Cl_2O$

M: 175,01 CAS: 6287-38-3 EINECS: 228-520-5 NC: 2913 00 00 UN: 1759
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:

C

R: 34 S: 26-27-28a-36/37/39-45

SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C075.1604	5 g	6
15C075.1606	25 g	6

1,2-Dichlorobenzene (UV-HPLC-GPC) PAI

$C_6H_4Cl_2$

M: 147,00 CAS: 95-50-1 EINECS: 202-425-9 NC: 2903 61 00 UN: 1591
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:

Xn N

R: 22-36/37/38-50/53 S: 23c-60-61 CE: 602-034-00-7
1l~1,307kg 1kg~0,765l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 20/4 1,305-1,308

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0005 %
Acidity ..... 0,0003 meq/g
Alkalinity ..... 0,0005 meq/g
Water (H_2O) ..... 0,02 %
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	296 (Cut off)	300	336	380-450
A (AU)	1,000	0,301	0,051	0,009
T (%)	10	50	89	98

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361892.1611	1000 ml	6

1,2-Dichlorobenzene (Reag. USP, Ph. Eur.) PA

$C_6H_4Cl_2$

M: 147,00 CAS: 95-50-1 EINECS: 202-425-9 NC: 2903 61 00 UN: 1591
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:

Xn N

R: 22-36/37/38-50/53 S: 23c-60-61 CE: 602-034-00-7
1l~1,307kg 1kg~0,765l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 20/20 1,299-1,301
Refractive index n 25/D 1,548-1,550

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,001 %
1,3-Dichlorobenzene (G.C.) ..... 0,2 %
1,4-Dichlorobenzene (G.C.) ..... 0,2 %
Acidity ..... 0,0005 meq/g
Water (H_2O) ..... 0,02 %
Chloride (Cl) ..... 0,0001 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

Order code	Package	Units/Box st.
121892.1611	1000 ml	6

1,2-Dichlorobenzene, 98% PS

$C_6H_4Cl_2$

M: 147,00 CAS: 95-50-1 EINECS: 202-425-9 NC: 2903 61 00 UN: 1591
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:

Xn N

R: 22-36/37/38-50/53 S: 23c-60-61 CE: 602-034-00-7
1l~1,307kg 1kg~0,765l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,305-1,308
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
161892.1611	1000 ml	6
161892.1612	2,5 l	4
161892.1214	5 l	4

1,3-Dichlorobenzene, 98% PS

$C_6H_4Cl_2$

M: 147,00 CAS: 541-73-1 EINECS: 208-792-1 NC: 2903 69 90 UN: 2810
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:

Xn N

R: 22-51/53 S: 61 CE: 602-067-00-7
1l~1,288kg 1kg~0,776l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,287-1,289
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
15A592.1609	250 ml	6
15A592.1611	1000 ml	6

1,4-Dichlorobenzene, 99% PS

$C_6H_4Cl_2$

M: 147,00 CAS: 106-46-7 EINECS: 203-400-5 NC: 2903 61 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911
HAZARDOUS:

Xn N

R: 36-40-50/53 S: 36/37-46-60-61 CE: 602-035-00-2

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 52-55°C
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
15A598.1210	500 g	6
15A598.1211	1000 g	6
15A598.0914	5 kg	
15A598.0416	25 kg	

1,2-Dichlorobenzene-Phenol

(see Phenol-1,2-Dichlorobenzene)

2,6-Dichlorobenzonitrile, 97% PS

$C_7H_3Cl_2N$

M: 172,01 CAS: 1194-65-6 EINECS: 214-787-5 NC: 2926 90 95 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn N

R: 21-51/53 S: 36/37-61

SPECIFICATIONS:
Assay ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B554.1606	25 g	6
15B554.1608	100 g	6

3,4-Dichlorocinnamic Acid, 97% PS

$C_9H_6Cl_2O_2$

M: 217,04 CAS: 1202-39-7 EINECS: 214-866-4 NC: 2916 39 00
HAZARDOUS:

Xi

R: 36/37/38 S: 26-36

SPECIFICATIONS:
Assay ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C140.1606	25 g	6
15C140.1608	100 g	6

2,3-Dichloro-5,6-Dicyano-1,4-Benzoquinone, 98% PS

$C_8Cl_2N_2O_2$

M: 227,01 CAS: 84-58-2 EINECS: 201-542-2 NC: 2914 69 90 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T

R: 25-29 S: 22-24/25-37-45

SPECIFICATIONS:
Assay (Iodom.) ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A251.1605	10 g	6
15A251.1608	100 g	6

1,2-Dichloroethane (UV-IR-HPLC-GPC) PAI

$ClCH_2ClCH_2$

M: 98,97 CAS: 107-06-2 EINECS: 203-458-1 NC: 2903 15 00 UN: 1184
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 306 CAO: 308
HAZARDOUS:

F T

R: 45-11-E22-36/37/38 S: 53-45 CE: 602-012-00-7
1l~1,250kg 1kg~0,800l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Density at 20/4 1,246-1,255

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0002 %
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,02 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell, Ref.: water)

λ (nm)	228 (Cut off)	240	245	250	260-400
A (AU)	1,000	0,071	0,046	0,022	0,009
T (%)	10	85	90	95	98

Fluorescence (as quinine):

λ (nm)	254	365
ppb	1,0	1,0

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 3,5
Eluotropic value ε°(Al_2O_3) 0,44
Sol. H_2O in solv. at 20°C 0,16
P' + 0,25 ε 6,3
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361286.1611	1000 ml	6
361286.1612	2,5 l	4

1,2-Dichloroethane dry (max. 0,005% water) DS-ACS

$ClCH_2ClCH_2$

M: 98,97 CAS: 107-06-2 EINECS: 203-458-1 NC: 2903 15 00 UN: 1184
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 306 CAO: 308
HAZARDOUS:

F T

R: 45-11-E22-36/37/38 S: 53-45 CE: 602-012-00-7
1l~1,250kg 1kg~0,800l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 1,246-1,255

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,001 %
Dichloromethane (G.C.) ..... 0,05 %
Tetrachloroethylene (G.C.) ..... 0,05 %
Trichloroethylene (G.C.) ..... 0,05 %
Trichloromethane (G.C.) ..... 0,05 %
Reducing substances to $KMnO_4$ (as O) ..... 0,001 %
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,005 %
Chlorine (Cl) ..... 0,0001 %
Chloride (Cl) ..... 0,0001 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

Order code	Package	Units/Box st.
481286.1611	1000 ml	6

1,2-Dichloroethane (Reag. Ph. Eur.) PA-ACS

$ClCH_2ClCH_2$

M: 98,97 CAS: 107-06-2 EINECS: 203-458-1 NC: 2903 15 00 UN: 1184
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 306 CAO: 308
HAZARDOUS:

F T

R: 45-11-E22-36/37/38 S: 53-45 CE: 602-012-00-7
1l~1,250kg 1kg~0,800l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 1,246-1,255
Distillation range (>95% dist.) ..... 82-84°C

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,001 %
Dichloromethane (G.C.) ..... 0,05 %
Trichloromethane (G.C.) ..... 0,05 %
Tetrachloroethylene (G.C.) ..... 0,05 %
Trichloroethylene (G.C.) ..... 0,05 %
Reducing substances to $KMnO_4$ (as O) ..... 0,001 %
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,03 %
Chlorine (Cl) ..... 0,0001 %
Chloride (Cl) ..... 0,0001 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

Order code	Package	Units/Box st.
131286.1611	1000 ml	6
131286.1612	2,5 l	4
131286.1714	5 l	4
131286.0616	25 l	

1,2-Dichloroethane PRS

$ClCH_2ClCH_2$

M: 98,97 CAS: 107-06-2 EINECS: 203-458-1 NC: 2903 15 00 UN: 1184
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 306 CAO: 308
HAZARDOUS:

F T

R: 45-11-E22-36/37/38 S: 53-45 CE: 602-012-00-7
1l~1,250kg 1kg~0,800l

SPECIFICATIONS:
Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,246-1,255
Non-volatile matter ..... 0,005 %
Dichloromethane (G.C.) ..... 0,1 %
Tetrachloroethylene (G.C.) ..... 0,1 %
Trichloroethylene (G.C.) ..... 0,1 %
Trichloromethane (G.C.) ..... 0,1 %
Acidity ..... 0,0008 meq/g
Water (H_2O) ..... 0,2 %
Chloride (Cl) ..... 0,0005 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141286.1611	1000 ml	6
141286.1612	2,5 l	4
141286.1714	5 l	4
141286.0616	25 l	

1,2-Dichloroethane, 99,5% PS

$ClCH_2ClCH_2$

M: 98,97 CAS: 107-06-2 EINECS: 203-458-1 NC: 2903 15 00 UN: 1184
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 306 CAO: 308
HAZARDOUS:

F T

R: 45-11-E22-36/37/38 S: 53-45 CE: 602-012-00-7
1l~1,250kg 1kg~0,800l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 1,246-1,255
Non-volatile matter ..... 0,005 %
Acidity (as HCl) ..... 0,001 %
Water (H_2O) ..... 0,03 %

Order code	Package	Units/Box st.
161286.1611	1000 ml	6
161286.1612	2,5 l	4
161286.1714	5 l	4
161286.0616	25 l	

Dichloroethanoic Acid
(see Dichloroacetic Acid)

2',7'-Dichlorofluorescein (Reag. Ph. Eur.) PA-ACS
$C_{20}H_{10}Cl_2O_5$
M: 401,20 CAS: 76-54-0 EINECS: 200-968-6 NC: 3204 16 00
SPECIFICATIONS:
Identity ..... IR p/t.
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in ethanol 70% ..... p/t.
Suitability as adsorption indicator ..... p/t.
Cu ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
133606.1604	5 g	6
133606.1606	25 g	6

2',7'-Dichlorofluorescein in 2-propanol, TLC developer RE
$C_{20}H_{10}Cl_2O_5$
M: 401,20 CAS: 76-54-0 NC: 3822 00 00 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xi **R: 11-36-67 S: 7-16-24/25-26**
1l~0,785kg 1kg~1,274l
Composition:
2',7'-Dichlorofluorescein ..... 0,1 g
2-Propanol ..... 100 ml

Order code	Package	Units/Box st.
174256.1608	100 ml	6

1,3-Dichloro-4-Fluorobenzene, 99% PS
$C_6H_3Cl_2F$
M: 164,99 CAS: 1435-48-9 NC: 2903 69 90 UN: 1993
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
Xn N **R: 10-22-38-48/20/22-51 S: 16-36/37-61**
1l~1,409kg 1kg~0,710l
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B834.1604	5 ml	6
15B834.1606	25 ml	6

2,4-Dichlorofluorobenzene
(see 1,3-Dichloro-4-Fluorobenzene)

2,6-Dichloroindophenol Sodium Salt
(see 2,6-Dichlorophenol Indophenol Sodium Salt 2-hydrate)

Dichloromethane stabilized with ~20 ppm of amylene (UV-IR-HPLC-HPLC preparative-GPC) PAI-ACS
CH_2Cl_2
M: 84,93 CAS: 75-09-2 EINECS: 200-838-9 NC: 2903 12 00 UN: 1593
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 605 CAO: 612
HAZARDOUS:
Xn **R: 40 S: 23c-24/25-36/37 CE: 602-004-00-3**
1l~1,324kg 1kg~0,755l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Density at 20/4 1,322-1,325
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0003 %
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Chlorine (Cl) ..... 0,0001 %
Water (H_2O) ..... 0,01 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	233 (Cut off)	235	240	245	255	260-400
A (AU)	1,000	0,523	0,155	0,046	0,009	0,004
T (%)	10	30	70	90	98	99

Fluorescence (as quinine):

λ (nm)	254	365
ppb	1	1

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 3,1
Eluotropic value E°(Al_2O_3) 0,42
Sol. H_2O in solv. at 20°C 0,17
P' + 0,25 E 5,6
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361254.1611	1000 ml	6
361254.1612	2,5 l	4
361254.1616	25 l	

Dichloromethane stabilized with ~20 ppm of amylene (PAR) PAI
CH_2Cl_2
M: 84,93 CAS: 75-09-2 EINECS: 200-838-9 NC: 2903 12 00 UN: 1593
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 605 CAO: 612
HAZARDOUS:
Xn **R: 40 S: 23c-24/25-36/37 CE: 602-004-00-3**
1l~1,324kg 1kg~0,755l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,8 %
Identity ..... IR p/t.
Density at 20/4 1,322-1,325
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0005 %
Acidity ..... 0,0003 meq/g
Alkalinity ..... 0,0003 meq/g
Water (H_2O) ..... 0,02 %
Signal ECD of pesticide (Lindane to DDT) (as Lindane) ..... 5 ng/l
Signal PND of pesticide (Ethylparathion to Coumaphos) (as Ethylparathion) ..... 5 ng/l
Signal FID of 2-Octanol to Tetradecanol (as 2-Octanol) ..... p/t.

Order code	Package	Units/Box st.
321254.1611	1000 ml	6
321254.1612	2,5 l	4
321254.1646	4 l	4

RE

Reactivos y soluciones para aplicaciones analíticas específicas
Reagents and solutions for specific analytical techniques
Réactifs et solutions pour des applications analytiques spécifiques

Dichloromethane dry (max. 0,005% water) stabilized with amylene DS-ACS-ISO

CH_2Cl_2

M: 84,93 CAS: 75-09-2 EINECS: 200-838-9 NC: 2903 12 00 UN: 1593
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 605 CAO: 612
HAZARDOUS:

Xn R: 40 S: 23c-24/25-36/37 CE: 602-004-00-3

1l~1,324kg 1kg~0,755l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,9 %
Identity ..... IR p/t.
Density at 20/4 1,323-1,325

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Ethanol (G.C.) ..... 0,05 %
Carbon Tetrachloride (G.C.) ..... 0,01 %
Trichloromethane (G.C.) ..... 0,05 %
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,005 %
Chlorine (Cl) ..... 0,0001 %
Formaldehyde (HCHO) ..... 0,0001 %
Chloride (Cl) ..... 0,0001 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	Sb	0,02
Au	0,05	Hg	0,05	Si	0,2
B	0,02	In	0,05	Sn	0,1
Ba	0,1	K	0,1	Sr	0,2
Be	0,02	Li	0,05	Ti	0,02
Bi	0,05	Mg	0,1	Tl	0,02
Ca	0,5	Mn	0,02	V	0,02
Cd	0,05	Mo	0,02	Zn	0,1
Co	0,02	Na	0,5	Zr	0,02
Cr	0,02	Ni	0,02		
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
481254.1611	1000 ml	6

Dichloromethane stabilized with amylene PA-ACS-ISO

CH_2Cl_2

M: 84,93 CAS: 75-09-2 EINECS: 200-838-9 NC: 2903 12 00 UN: 1593
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 605 CAO: 612
HAZARDOUS:

Xn R: 40 S: 23c-24/25-36/37 CE: 602-004-00-3

1l~1,324kg 1kg~0,755l

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 1,323-1,325

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Ethanol (G.C.) ..... 0,05 %
Carbon Tetrachloride (G.C.) ..... 0,01 %
Trichloromethane (G.C.) ..... 0,05 %
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,02 %
Chlorine (Cl) ..... 0,0001 %
Formaldehyde (HCHO) ..... 0,0001 %
Chloride (Cl) ..... 0,0001 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	Sb	0,02
Au	0,05	Hg	0,05	Si	0,2
B	0,02	In	0,05	Sn	0,1
Ba	0,1	K	0,1	Sr	0,2
Be	0,02	Li	0,05	Ti	0,02
Bi	0,05	Mg	0,1	Tl	0,02
Ca	0,5	Mn	0,02	V	0,02
Cd	0,05	Mo	0,02	Zn	0,1
Co	0,02	Na	0,5	Zr	0,02
Cr	0,02	Ni	0,02		
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131254.1611	1000 ml	6
131254.1612	2,5 l	4
131254.1714	5 l	4
131254.0616	25 l	

Dichloromethane stabilized with amylene (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

CH_2Cl_2

M: 84,93 CAS: 75-09-2 EINECS: 200-838-9 NC: 2903 12 00 UN: 1593
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 605 CAO: 612
HAZARDOUS:

Xn R: 40 S: 23c-24/25-36/37 CE: 602-004-00-3

1l~1,324kg 1kg~0,755l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity according to Pharmacopoeias ..... p/t.
Density at 20/20 1,320-1,332
Refractive index n^{20}/D 1,423-1,425

MAXIMUM LIMIT OF IMPURITIES

Appearance ..... p/t.
Non-volatile matter ..... 0,002 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Amylene (G.C.) ..... 0,03 %
Related substances (G.C.) ..... 0,1 %
Acidity (as HCl) ..... 0,001 %
Water (H_2O) ..... 0,02 %
Free chlorine (Cl) ..... p/t.
Chloride (Cl) ..... 0,0003 %
Heavy metals (as Pb) ..... 0,0001 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141254.1611	1000 ml	6
141254.1612	2,5 l	4
141254.1714	5 l	4
141254.0616	25 l	

Dichloromethane stabilized with amylene (F.C.C.) ADITIO

extraction solvent for industrial food use

CH_2Cl_2

M: 84,93 CAS: 75-09-2 EINECS: 200-838-9 NC: 2903 12 00 UN: 1593
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 605 CAO: 612
HAZARDOUS:

Xn R: 40 S: 23c-24/25-36/37 CE: 602-004-00-3

1l~1,324kg 1kg~0,755l

SPECIFICATIONS:

Assay (as CH_2Cl_2), not more than ..... 99,0 %
Acidity (as HCl), not more than ..... 10 ppm
Distillation range ..... 39,5-40,5°C
Free halogens ..... p/t.
Non-volatile residue, not more than ..... 0,002 %
Specific gravity 1,318-1,323
Water, not more than ..... 0,02 %
Arsenic, not more than ..... 1 ppm
Lead, not more than ..... 1 ppm
Specifications Dir. 88/344/CEE, F.C.C. 6

Order code	Package	Units/Box st.
201254.1714	5 l	4
201254.0616	25 l	

Dichloromethane stabilized with amylene BS

for synthesis of peptides

CH_2Cl_2

M: 84,93 CAS: 75-09-2 EINECS: 200-838-9 NC: 2903 12 00 UN: 1593
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 605 CAO: 612
HAZARDOUS:

Xn R: 40 S: 23c-24/25-36/37 CE: 602-004-00-3

1l~1,324kg 1kg~0,755l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,8 %
Identity ..... IR p/t.
Density at 20/4 1,323-1,325
Acidity ..... 0,0001 meq/g
Free amines (as CH_3NH_2) ..... 0,0001 %
Formaldehyde ..... 0,0001 %
Water (H_2O) ..... 0,02 %

Order code	Package	Units/Box st.
731254.1611	1000 ml	6
731254.1612	2,5 l	4

Dichloromethane, 99,8% stabilized with amylene PS

CH_2Cl_2

M: 84,93 CAS: 75-09-2 EINECS: 200-838-9 NC: 2903 12 00 UN: 1593
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 605 CAO: 612
HAZARDOUS:

Xn **R: 40 S: 23c-24/25-36/37 CE: 602-004-00-3**
1l~1,324kg 1kg~0,755l
SPECIFICATIONS:

Minimum assay (G.C.)	99,8 %
Identity	IR p/t.
Density at 20/4	1,323-1,325
Non-volatile matter	0,001 %
Acidity (as HCl)	0,001 %
Water (H_2O)	0,02 %

Order code	Package	Units/Box st.
161254.1611	1000 ml	6
161254.1612	2,5 l	4
161254.1714	5 l	4
161254.0616	25 l	
161254.0619	200 l	

Dichloromethane stabilized with amylene QP

CH_2Cl_2

M: 84,93 CAS: 75-09-2 EINECS: 200-838-9 NC: 2903 12 00 UN: 1593
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 605 CAO: 612
HAZARDOUS:

Xn **R: 40 S: 23c-24/25-36/37 CE: 602-004-00-3**
1l~1,324kg 1kg~0,755l
SPECIFICATIONS:

Assay (G.C.)	98 %
Density at 20/4	1,322-1,326
Water (H_2O)	0,2 %

Order code	Package	Units/Box st.
211254.1611	1000 ml	6
211254.1612	2,5 l	4
211254.1714	5 l	4
211254.0616	25 l	

Dichloromethane dry (max. 0,005% water) stabilized with ~0,2% of ethanol DS-ACS-ISO

CH_2Cl_2

M: 84,93 CAS: 75-09-2 EINECS: 200-838-9 NC: 2903 12 00 UN: 1593
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 605 CAO: 612
HAZARDOUS:

Xn **R: 40 S: 23c-24/25-36/37 CE: 602-004-00-3**
1l~1,324kg 1kg~0,755l
SPECIFICATIONS:

Minimum assay (G.C.) (stabilizer not included)	99,9 %
Identity	IR p/t.
Density at 20/4	1,323-1,325
MAXIMUM LIMIT OF IMPURITIES	
APHA colour	10
Non-volatile matter	0,001 %
Ethanol (G.C.)	~0,2 %
Carbon Tetrachloride (G.C.)	0,01 %
Trichloromethane (G.C.)	0,05 %
Darkened substances by H_2SO_4	p/t.
Acidity	0,0003 meq/g
Water (H_2O)	0,005 %
Chlorine (Cl)	0,0001 %
Formaldehyde (HCHO)	0,0001 %
Chloride (Cl)	0,0001 %
Ca	0,00005 %
Cd	0,000005 %
Co	0,000002 %
Cr	0,000002 %
Cu	0,000002 %
Fe	0,00001 %
Mg	0,00001 %
Mn	0,000002 %
Ni	0,000002 %
Pb	0,00001 %
Zn	0,00001 %

Order code	Package	Units/Box st.
483675.1611	1000 ml	6

Dichloromethane, 99,8% stabilized with ~0,2% of ethanol PS

CH_2Cl_2

M: 84,93 CAS: 75-09-2 EINECS: 200-838-9 NC: 2903 12 00 UN: 1593
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 605 CAO: 612
HAZARDOUS:

Xn **R: 40 S: 23c-24/25-36/37 CE: 602-004-00-3**
1l~1,324kg 1kg~0,755l
SPECIFICATIONS:

Minimum assay (G.C.) (stabilizer not included)	99,8 %
Identity	IR p/t.
Density at 20/4	1,323-1,325
Non-volatile matter	0,002 %
Ethanol (G.C.)	~0,2 %
Acidity (as HCl)	0,001 %
Water (H_2O)	0,02 %

Order code	Package	Units/Box st.
163675.1611	1000 ml	6
163675.1612	2,5 l	4
163675.1714	5 l	4
163675.0616	25 l	
163675.0619	200 l	

Dichloromethane-D2 deuteration degree min. 99,95% (NMR) PAI

CD_2Cl_2

M: 86,95 CAS: 1665-00-5 EINECS: 216-776-0 NC: 2845 90 10 UN: 1593
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 605 CAO: 612
HAZARDOUS:

Xn **R: 40 S: 23c-24/25-36/37**
1l~1,36kg 1kg~0,74l
SPECIFICATIONS:

Deuteration degree min.	99,95 %
NMR suitability	p/t.
MAXIMUM LIMIT OF IMPURITIES	
Water (H_2O+D_2O)	0,01 %

Order code	Package	Units/Box st.
745854.02130	10 x 0,75 ml	6
745854.1605	10 ml	6

Dichloromethane-D2 deuteration degree min. 99,8% (NMR) PAI

CD_2Cl_2

M: 86,95 CAS: 1665-00-5 EINECS: 216-776-0 NC: 2845 90 10 UN: 1593
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 605 CAO: 612
HAZARDOUS:

Xn **R: 40 S: 23c-24/25-36/37**
1l~1,36kg 1kg~0,74l
SPECIFICATIONS:

Deuteration degree min.	99,8 %
NMR suitability	p/t.
MAXIMUM LIMIT OF IMPURITIES	
Water (H_2O+D_2O)	0,02 %

Order code	Package	Units/Box st.
745853.02130	10 x 0,75 ml	6
745853.1605	10 ml	6

Dichloromethane-D2 deuteration degree min. 99,5% (NMR) PAI

CD_2Cl_2

M: 86,95 CAS: 1665-00-5 EINECS: 216-776-0 NC: 2845 90 10 UN: 1593
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 605 CAO: 612
HAZARDOUS:

Xn **R: 40 S: 23c-24/25-36/37**
1l~1,36kg 1kg~0,74l
SPECIFICATIONS:

Deuteration degree min.	99,5 %
NMR suitability	p/t.
MAXIMUM LIMIT OF IMPURITIES	
Water (H_2O+D_2O)	0,03 %

Order code	Package	Units/Box st.
745852.1605	10 ml	6

Químicamente Puro
Chemically Pure
Chimiquement Pur

QP

Productos de pureza controlada para uso general en laboratorio y producción.
Chemicals of controlled purity for general use in laboratory and production.
Produits de qualité controlée pour usage général en laboratoire et en production.

2,6-Dichlorophenol Indophenol Sodium Salt 2-hydrate (Reag. Ph. Eur.) PA-ACS

$C_{12}H_6Cl_2NNaO_2.2H_2O$

M: 326,09 CAS: 620-45-1 EINECS: 210-640-4 NC: 2907 19 90

SPECIFICATIONS:

Identity....IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 120°C....12,0 %

Foreign dyes....p/t.

Order code	Package	Units/Box st.
132056.1604	5 g	6
132056.1606	25 g	6

Dicyandiamide

(see 1-Cyanoguanidine)

N,N'-Dicyclohexylcarbodiimide, 98% PS

$C_{13}H_{22}N_2$

M: 206,33 CAS: 538-75-0 EINECS: 208-704-1 NC: 2925 19 95 UN: 2811

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T

R: 22-24-41-43 S: 24-26-37/39-45 CE: 615-019-00-5

SPECIFICATIONS:

Minimum assay (G.C.)....98 %

Identity....IR p/t.

Melting range....33-36 °C

Order code	Package	Units/Box st.
15A829.1608	100 g	6
15A829.1609	250 g	6
15A829.1611	1000 g	6

Dicyclopentadiene, 90% stabilized with 100-200 ppm of tert-butylphenolene PS

$C_{10}H_{12}$

M: 132,21 CAS: 77-73-6 EINECS: 201-052-9 NC: 2902 19 80 UN: 2048

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

F Xn N

R: 11-20/22-36/37/38-51-53 S: 36/37-61

CE: 601-044-00-9

1l~0,977kg 1kg~1,023l

SPECIFICATIONS:

Assay (G.C.)....~90 %

Density at 20/4....0,976-0,979

Order code	Package	Units/Box st.
15A760.1611	1000 ml	6
15A760.1612	2,5 l	4

Dicyclopropylketone, 98% PS

$C_7H_{10}O$

M: 110,16 CAS: 1121-37-5 EINECS: 214-331-5 NC: 2914 29 00 UN: 1224

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

R: 10 S: 16

1l~0,977kg 1kg~1,023l

SPECIFICATIONS:

Minimum assay....98 %

Order code	Package	Units/Box st.
15A039.1606	25 ml	6
15A039.1608	100 ml	6

Diethanolamine PA-ACS

$NH(CH_2CH_2OH)_2$

M: 105,14 CAS: 111-42-2 EINECS: 203-868-0 NC: 2922 12 00

HAZARDOUS:

Xn

R: 22-38-41-48/22 S: 26-36/37/39-46 CE: 603-071-00-1

1l~1,09kg 1kg~0,91l

SPECIFICATIONS:

Minimum assay (G.C.)....99,0 %

Identity....IR p/t.

Apparent equivalent weight....104,0-106,0

Freezing point....27-28°C

MAXIMUM LIMIT OF IMPURITIES

APHA colour....15

Residue on ignition (as SO_4)....0,002 %

Ethanolamine (G.C.)....0,3 %

Triethanolamine (G.C.)....0,3 %

Chloride (Cl)....0,001 %

Water (H_2O)....0,15 %

Heavy metals (as Pb)....0,0001 %

Fe....0,0001 %

Order code	Package	Units/Box st.
131287.1611	1000 ml	6

Diethanolamine, 98% PS

$NH(CH_2CH_2OH)_2$

M: 105,14 CAS: 111-42-2 EINECS: 203-868-0 NC: 2922 12 00

HAZARDOUS:

Xn

R: 22-38-41-48/22 S: 26-36/37/39-46 CE: 603-071-00-1

1l~1,09kg 1kg~0,91l

SPECIFICATIONS:

Minimum assay (G.C.)....98 %

Identity....IR p/t.

Freezing point....25-28°C

Water (H_2O)....0,3 %

Order code	Package	Units/Box st.
161287.1611	1000 ml	6
161287.1612	2,5 l	4
161287.1214	5 l	4
161287.0716	25 l	

Diethylamine (Reag. USP, Ph. Eur.) PA-ACS

$NH(C_2H_5)_2$

M: 73,14 CAS: 109-89-7 EINECS: 203-716-3 NC: 2921 19 50 UN: 1154

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 306 CAO: 308

HAZARDOUS:

F C

R: 11-20/21/22-35 S: 3-16-26-29-36/37/39-45

CE: 612-003-00-X

1l~0,703kg 1kg~1,422l

SPECIFICATIONS:

Minimum assay (G.C.)....99,5 %

Identity....IR p/t.

Density at 25/4....0,700-0,705

Boiling range....55-58°C

MAXIMUM LIMIT OF IMPURITIES

APHA colour....20

Non-volatile matter....0,01 %

Ethanol (G.C.)....0,05 %

Monoethylamine (G.C.)....0,2 %

Triethylamine (G.C.)....0,2 %

Water (H_2O)....0,1 %

Ca....0,00005 %

Cd....0,000005 %

Co....0,000002 %

Cr....0,000002 %

Cu....0,000002 %

Fe....0,00001 %

Mg....0,00001 %

Mn....0,000002 %

Ni....0,000002 %

Pb....0,00001 %

Zn....0,00001 %

Order code	Package	Units/Box st.
131288.1611	1000 ml	6
131288.1612	2,5 l	4
131288.1714	5 l	4
131288.0616	25 l	

Diethylamine, 99,5% PS

$NH(C_2H_5)_2$

M: 73,14 CAS: 109-89-7 EINECS: 203-716-3 NC: 2921 19 50 UN: 1154

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 306 CAO: 308

HAZARDOUS:

F C

R: 11-20/21/22-35 S: 3-16-26-29-36/37/39-45

CE: 612-003-00-X

1l~0,703kg 1kg~1,422l

SPECIFICATIONS:

Minimum assay (G.C.)....99,5 %

Identity....IR p/t.

Density at 25/4....0,700-0,705

Water (H_2O)....0,2 %

Order code	Package	Units/Box st.
161288.1611	1000 ml	6
161288.1612	2,5 l	4
161288.1714	5 l	4

5,5-Diethylbarbituric Acid PA

$C_8H_{12}N_2O_3$

M: 184,20 CAS: 57-44-3 EINECS: 200-331-2 NC: 2933 54 00

HAZARDOUS:

Xn **R: 22 S: 22-24/25**

SPECIFICATIONS:

Minimum assay (Acidim.) calc. a.d.s ..... 99,0 %
Identity ..... IR p/t.
Melting range ..... 188-192°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in NaOH ..... p/t.
Loss on drying at 105°C ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,1 %
Acidity ..... p/t.
Heavy metals (as Pb) ..... 0,003 %

Order code	Package	Units/Box st.
121025.1208	100 g	6
121025.1209	250 g	6
121025.1210	500 g	6

5,5-Diethylbarbituric Acid (RFE, BP, Ph. Eur.) PRS-CODEX

$C_8H_{12}N_2O_3$

M: 184,20 CAS: 57-44-3 EINECS: 200-331-2 NC: 2933 54 00

HAZARDOUS:

Xn **R: 22 S: 22-24/25**

SPECIFICATIONS:

Assay calc. a.d.s 99,0-101,0%
Identity according to Pharmacopoeias ..... p/t.
Melting range ..... 188-192°C

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in NaOH ..... p/t.
Loss on drying at 105°C ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Related substances ..... p/t.
Acidity ..... p/t.
Heavy metals (as Pb) ..... 0,003 %

Order code	Package	Units/Box st.
141025.1208	100 g	6

Diethylbarbituric Acid Sodium Salt

(see Sodium 5,5-Diethylbarbiturate)

Diethylene Dioxide

(see 1,4-Dioxan)

Diethylene Glycol (Reag. USP, Ph. Eur.) PA

$O(CH_2CH_2OH)_2$

M: 106,12 CAS: 111-46-6 EINECS: 203-872-2 NC: 2909 41 00

HAZARDOUS:

Xn **R: 22 S: 46 CE: 603-140-00-6**

1l~1,117kg 1kg~0,895l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 1,117-1,120
Distillation range ..... 244-246°C

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition ..... 0,005 %
Acidity (as CH_3COOH) ..... 0,005 %
Ethylene Glycol (G.C.) ..... 0,06 %
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
121289.1611	1000 ml	6

Diethylene Glycol, 98% PS

$O(CH_2CH_2OH)_2$

M: 106,12 CAS: 111-46-6 EINECS: 203-872-2 NC: 2909 41 00

HAZARDOUS:

Xn **R: 22 S: 46 CE: 603-140-00-6**

1l~1,117kg 1kg~0,895l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,115-1,118
Water (H_2O) ..... 0,3 %

Order code	Package	Units/Box st.
151289.1611	1000 ml	6
151289.1212	2,5 l	4
151289.1214	5 l	4
151289.0716	25 l	

Diethylene Glycol mono-Butyl Ether, 98% PS

$C_8H_{18}O_3$

M: 162,23 CAS: 112-34-5 EINECS: 203-961-6 NC: 2909 43 00

HAZARDOUS:

Xi **R: 36 S: 26 CE: 603-096-00-8**

1l~0,953kg 1kg~1,048l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,953-0,954
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
15A783.1211	1000 ml	6

Diethylene Glycol mono-Butyl Ether Acetate, 98% PS

$C_{10}H_{20}O_4$

M: 204,30 CAS: 124-17-4 EINECS: 204-685-9 NC: 2915 39 80

1l~0,979kg 1kg~1,021l

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C337.1609	250 ml	6
15C337.1611	1000 ml	6

Diethylene Glycol Diethyl Ether, 98% PS

$C_8H_{18}O_3$

M: 162,23 CAS: 112-36-7 EINECS: 203-963-7 NC: 2909 19 00

1l~0,901kg 1kg~1,109l

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A024.1610	500 ml	6

Diethylene Glycol mono-Ethyl Ether, 98% PS

$C_6H_{14}O_3$

M: 134,17 CAS: 111-90-0 EINECS: 203-919-7 NC: 2909 44 00

HAZARDOUS:

Xi **R: 36 S: 26**

1l~0,990kg 1kg~1,010l

SPECIFICATIONS:

Minimum assay ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,983-0,991
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
15A784.1211	1000 ml	6

Diethylene Glycol mono-Methyl Ether, 98% PS

$C_5H_{12}O_3$

M: 120,15 CAS: 111-77-3 EINECS: 203-906-6 NC: 2909 44 00

HAZARDOUS:

Xn **R: 63 S: 36/37 CE: 603-107-00-6**

1l~1,020kg 1kg~0,980l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,020-1,022
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
15A786.1211	1000 ml	6

Diethylene Oxide

(see Tetrahydrofuran)

Diethylenetriamine, 98% PS

$C_4H_{13}N_3$

M: 103,17 CAS: 111-40-0 EINECS: 203-865-4 NC: 2921 29 00 UN: 2079

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

C **R: 21/22-34-43 S: 26-36/37/39-45 CE: 612-058-00-X**

1l~0,951kg 1kg~1,051l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,950-0,952
Water (H_2O) ..... 0,3 %

Order code	Package	Units/Box st.
15A765.1611	1000 ml	6
15A765.1214	5 l	4
15A765.0716	25 l	

Diethylentriaminepentaacetic Acid PA

$C_{14}H_{23}N_3O_{10}$

M: 393,35 CAS: 67-43-6 EINECS: 200-652-8 NC: 2922 50 00

SPECIFICATIONS:

Minimum assay (Compl.) ..... 99 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in NaOH 1 mol/l ..... p/t.
Chloride (Cl) ..... 0,005 %
Heavy metals (as Pb) ..... 0,0005 %
Ba ..... 0,0005 %
Ca ..... 0,01 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
K ..... 0,05 %
Mg ..... 0,002 %
Mn ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
124745.1208	100 g	6
124745.1210	500 g	6

Diethyl Ether stabilized with ethanol (UV-IR-HPLC) PAI

$C_2H_5OC_2H_5$

M: 74,12 CAS: 60-29-7 EINECS: 200-467-2 NC: 2909 11 00 UN: 1155
IMDG: 3/I ADR: 3/I IATA: 3/I PAX: 302 CAO: 303

HAZARDOUS:

F+ Xn

R: 12-19-22-66-67 S: 9-16-29-33 CE: 603-022-00-4

1l~0,714kg 1kg~1,401l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Density at 20/4 0,713-0,715

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,0003 %
Peroxides (as H_2O_2) ..... 0,0001 %*
Ethanol (G.C.) ..... ~2 %
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,05 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	220 (Cut off)	230	250	280	300-400
A (AU)	1,000	0,456	0,102	0,071	0,009
T (%)	10	35	79	85	98

Fluorescence (as quinine):

λ (nm)	254	365
ppb	2,0	2,0

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 2,8
Eluotropic value E°(Al_2O_3) 0,38
Sol. H_2O in solv. at 20°C 1,3
P' + 0,25 E 4,0
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
362551.1611	1000 ml	6

Diethyl Ether stabilized with ethanol (PAR) PAI

$C_2H_5OC_2H_5$

M: 74,12 CAS: 60-29-7 EINECS: 200-467-2 NC: 2909 11 00 UN: 1155
IMDG: 3/I ADR: 3/I IATA: 3/I PAX: 302 CAO: 303

HAZARDOUS:

F+ Xn

R: 12-19-22-66-67 S: 9-16-29-33 CE: 603-022-00-4

1l~0,714kg 1kg~1,401l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,713-0,715

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,0005 %
Peroxides (as H_2O_2) ..... 0,0001 %*
Ethanol (G.C.) ..... ~2 %
Acidity ..... 0,0002 meq/g
Water (H_2O) ..... 0,1 %
Signal ECD of pesticide (Lindane to DDT) (as Lindane) ..... 5 ng/l
Signal PND of pesticide (Ethylparathion to Coumaphos) (as Ethylparathion) ..... 5 ng/l
*At the moment of the batch analysis

Order code	Package	Units/Box st.
322551.1611	1000 ml	6

Diethyl Ether dry (max. 0,0075% water) stabilized with ~6 ppm of BHT DS-ACS-ISO

$C_2H_5OC_2H_5$

M: 74,12 CAS: 60-29-7 EINECS: 200-467-2 NC: 2909 11 00 UN: 1155
IMDG: 3/I ADR: 3/I IATA: 3/I PAX: 302 CAO: 303

HAZARDOUS:

F+ Xn

R: 12-19-22-66-67 S: 9-16-29-33 CE: 603-022-00-4

1l~0,715kg 1kg~1,399l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,7 %
Identity ..... IR p/t.
Density at 20/4 0,713-0,715

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Peroxides (as H_2O_2) ..... 0,00003 %*
Acetone (G.C.) ..... 0,005 %
Ethanol (G.C.) ..... 0,05 %
Methanol (G.C.) ..... 0,02 %
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,0002 meq/g
Carbonyl compounds (as HCHO) ..... 0,001 %
Water (H_2O) ..... 0,0075 %

Metals by ICP [mg/Kg (ppm)]

Ag 0,05	Fe 0,1	Pb 0,1
Al 0,5	Ga 0,02	Pt 0,02
As 0,05	Ge 0,05	S 0,2
Au 0,05	Hg 0,05	Sb 0,02
B 0,02	In 0,05	Si 0,2
Ba 0,1	K 0,1	Sn 0,1
Be 0,02	Li 0,05	Sr 0,2
Bi 0,05	Mg 0,1	Ti 0,02
Ca 0,5	Mn 0,02	Tl 0,02
Cd 0,05	Mo 0,02	V 0,02
Co 0,02	Na 0,5	Zn 0,1
Cr 0,02	Ni 0,02	Zr 0,02
Cu 0,02	P 0,2	

*At the moment of the batch analysis

Order code	Package	Units/Box st.
482770.0311	1000 ml	6

Diethyl Ether stabilized with ~6 ppm of BHT (Reag. Ph. Eur.) PA-ACS-ISO

$C_2H_5OC_2H_5$

M: 74,12 CAS: 60-29-7 EINECS: 200-467-2 NC: 2909 11 00 UN: 1155
IMDG: 3/I ADR: 3/I IATA: 3/I PAX: 302 CAO: 303

HAZARDOUS:

F+ Xn

R: 12-19-22-66-67 S: 9-16-29-33 CE: 603-022-00-4

1l~0,715kg 1kg~1,399l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,7 %
Identity ..... IR p/t.
Density at 20/20 0,713-0,715
Boiling range ..... 34-35°C

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Peroxides (as H_2O_2) ..... 0,00003 %*
Acetone (G.C.) ..... 0,005 %
Ethanol (G.C.) ..... 0,05 %
Methanol (G.C.) ..... 0,02 %
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,0002 meq/g
Carbonyl compounds (as HCHO) ..... 0,001 %
Water (H_2O) ..... 0,1 %

Metals by ICP [mg/Kg (ppm)]

Ag 0,05	Fe 0,1	Pb 0,1
Al 0,5	Ga 0,02	Pt 0,02
As 0,05	Ge 0,05	S 0,2
Au 0,05	Hg 0,05	Sb 0,02
B 0,02	In 0,05	Si 0,2
Ba 0,1	K 0,1	Sn 0,1
Be 0,02	Li 0,05	Sr 0,2
Bi 0,05	Mg 0,1	Ti 0,02
Ca 0,5	Mn 0,02	Tl 0,02
Cd 0,05	Mo 0,02	V 0,02
Co 0,02	Na 0,5	Zn 0,1
Cr 0,02	Ni 0,02	Zr 0,02
Cu 0,1	P 0,2	

*At the moment of the batch analysis

Order code	Package	Units/Box st.
132770.0311	1000 ml	6
132770.0314	5 l	4
132770.0316	25 l	

Diethyl Ether stabilized with ~6 ppm of BHT PRS

$C_2H_5OC_2H_5$

M: 74,12 CAS: 60-29-7 EINECS: 200-467-2 NC: 2909 11 00 UN: 1155
IMDG: 3/I ADR: 3/I IATA: 3/I PAX: 302 CAO: 303
HAZARDOUS:

F+ Xn **R: 12-19-22-66-67 S: 9-16-29-33 CE: 603-022-00-4**

1l~0,715kg 1kg~1,399l

SPECIFICATIONS:

Assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,713-0,715
Non-volatile matter ..... 0,005 %
Peroxides (as H_2O_2) ..... 0,0001 %*
Acetone (G.C.) ..... 0,01 %
Ethanol (G.C.) ..... 0,1 %
Methanol (G.C.) ..... 0,05 %
Acidity ..... 0,001 meq/g
Water (H_2O) ..... 0,2 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %
*At the moment of the batch analysis

Order code	Package	Units/Box st.
142770.0311	1000 ml	6
142770.0314	5 l	4
142770.0616	25 l	

Diethyl Ether anaesthetic stabilized with ~6 ppm of BHT (RFE, BP, Ph. Eur.) CODEX

$C_2H_5OC_2H_5$

M: 74,12 CAS: 60-29-7 EINECS: 200-467-2 NC: 2909 11 00 UN: 1155
IMDG: 3/I ADR: 3/I IATA: 3/I PAX: 302 CAO: 303
HAZARDOUS:

F+ Xn **R: 12-19-22-66-67 S: 9-16-29-33 CE: 603-022-00-4**

1l~0,715kg 1kg~1,399l

SPECIFICATIONS:

Distillation range ..... 34,0-35,0°C
Identity according to Pharmacopoeias ..... p/t.
Density at 20/20 0,714-0,716

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter ..... 0,002 %
Peroxides (as H_2O_2) ..... p/t.*
Acidity ..... p/t.
Carbonyl compounds ..... p/t.
Odorous substances ..... p/t.
Water (H_2O) ..... 0,2 %
Residual solvents (Ph.Eur./USP) ..... p/t.
*At the moment of the batch analysis

Order code	Package	Units/Box st.
192770.1608	100 ml	6
192770.0311	1000 ml	6

Diethyl Ether, 99,7% stabilized with ~6 ppm of BHT PS

$C_2H_5OC_2H_5$

M: 74,12 CAS: 60-29-7 EINECS: 200-467-2 NC: 2909 11 00 UN: 1155
IMDG: 3/I ADR: 3/I IATA: 3/I PAX: 302 CAO: 303
HAZARDOUS:

F+ Xn **R: 12-19-22-66-67 S: 9-16-29-33 CE: 603-022-00-4**

1l~0,715kg 1kg~1,399l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,7 %
Identity ..... IR p/t.
Density at 20/4 0,713-0,715
Non-volatile matter ..... 0,002 %
Peroxides (as H_2O_2) ..... 0,0001 %*
Water (H_2O) ..... 0,05 %
*At the moment of the batch analysis

Order code	Package	Units/Box st.
162770.0311	1000 ml	6
162770.0314	5 l	4
162770.0616	25 l	
162770.0619	200 l	

Diethyl Ether stabilized with ~6 ppm of BHT QP

$C_2H_5OC_2H_5$

M: 74,12 CAS: 60-29-7 EINECS: 200-467-2 NC: 2909 11 00 UN: 1155
IMDG: 3/I ADR: 3/I IATA: 3/I PAX: 302 CAO: 303
HAZARDOUS:

F+ Xn **R: 12-19-22-66-67 S: 9-16-29-33 CE: 603-022-00-4**

1l~0,715kg 1kg~1,399l

SPECIFICATIONS:

Assay (G.C.) ..... 99,5 %
Density at 20/4 0,713-0,717
Water (H_2O) ..... 0,3 %

Order code	Package	Units/Box st.
212770.0311	1000 ml	6
212770.0314	5 l	4
212770.0616	25 l	
212770.0619	200 l	

Diethylketone, 99% PS

$C_5H_{10}O$

M: 86,13 CAS: 96-22-0 EINECS: 202-490-3 NC: 2914 19 90 UN: 1156
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-37-66-67 S: 9-16-25-33 CE: 606-006-00-5**

1l~0,814kg 1kg~1,229l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,813-0,815

Order code	Package	Units/Box st.
15A763.1608	100 ml	6
15A763.1610	500 ml	6

Diethyl Malonate, 99% PS

$C_7H_{12}O_4$

M: 160,17 CAS: 105-53-3 EINECS: 203-305-9 NC: 2917 19 10
1l~1,052kg 1kg~0,950l

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
15A175.1610	500 ml	6

Diethyl Octanedioate

(see Diethyl Suberate)

Diethyl Oxalate, 98,5% PS

$(COO.C_2H_5)_2$

M: 146,14 CAS: 95-92-1 EINECS: 202-464-1 NC: 2917 11 00 UN: 2525
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:

Xn **R: 22-36 S: 23c CE: 607-147-00-5**

1l~1,079kg 1kg~0,927l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98,5 %
Identity ..... IR p/t.
Density at 20/4 1,076-1,079
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
15A767.1611	1000 ml	6
15A767.1214	5 l	4
15A767.0716	25 l	

Diethyl Oxide

(see Diethyl Ether)

Diethyl Phthalate, 99% PS

$C_{12}H_{14}O_4$

M: 222,24 CAS: 84-66-2 EINECS: 201-550-6 NC: 2917 34 90
HAZARDOUS:

Xi **R: 36/37/38 S: 26-37/39**

1l~1,118kg 1kg~0,894l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,117-1,119
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
15A766.1211	1000 ml	6
15A766.1212	2,5 l	4
15A766.0716	25 l	

Diethyl Suberate, 98% PS

$C_{12}H_{22}O_4$

M: 230,31 CAS: 2050-23-9 EINECS: 218-084-4 NC: 2917 19 90

1l~0,982kg 1kg~1,018l

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B999.1607	50 ml	6
15B999.1609	250 ml	6

Diethyl Sulphate, 99% PS

$C_4H_{10}O_4S$

M: 154,19 CAS: 64-67-5 EINECS: 200-589-6 NC: 2920 90 10 UN: 1594

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611

HAZARDOUS:

T

R: 45-46-E20/21/22-34 S: 53-45 CE: 016-027-00-6

1l~1,177kg 1kg~0,850l

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
15B003.1611	1000 ml	6

Diethyl D(-)-Tartrate, 99% PS

$C_8H_{14}O_6$

M: 206,19 CAS: 13811-71-7 EINECS: 237-458-8 NC: 2918 13 00

1l~1,205kg 1kg~0,830l

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A240.1604	5 ml	6
15A240.1606	25 ml	6

Diethyl L(+)-Tartrate, 99% PS

$C_8H_{14}O_6$

M: 206,19 CAS: 87-91-2 EINECS: 201-783-3 NC: 2918 13 00

1l~1,204kg 1kg~0,831l

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A241.1608	100 ml	6
15A241.1610	500 ml	6

2',4'-Difluoroacetophenone, 98% PS

$C_8H_6F_2O$

M: 156,13 CAS: 364-83-0 EINECS: 206-667-6 NC: 2914 39 00

HAZARDOUS:

Xi

R: 36/37/38 S: 26-37/39

1l~1,232kg 1kg~0,812l

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A333.1603	1 ml	6
15A333.1604	5 ml	6

3',4'-Difluoroacetophenone, 98% PS

$C_8H_6F_2O$

M: 156,13 CAS: 369-33-5 EINECS: 206-717-7 NC: 2914 39 00

HAZARDOUS:

Xi

R: 36/37/38 S: 26-37/39

1l~1,246kg 1kg~0,803l

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C042.1603	1 ml	6
15C042.1604	5 ml	6

2,4-Difluoroaniline, 99% PS

$C_6H_5F_2N$

M: 129,11 CAS: 367-25-9 EINECS: 206-687-5 NC: 2921 42 10

1l~1,282kg 1kg~0,780l

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B547.1605	10 ml	6
15B547.1606	25 ml	6

3,4-Difluorobenzaldehyde, 98% PS

$C_6H_4F_2CHO$

M: 142,11 CAS: 34036-07-2 NC: 2913 00 00

HAZARDOUS:

Xi

R: 36/37/38 S: 26-37/39

1l~1,288kg 1kg~0,776l

SPECIFICATIONS:

Minimum assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A010.1604	5 ml	6
15A010.1606	25 ml	6

3,5-Difluorobenzaldehyde, 98% PS

$C_7H_4F_2O$

M: 142,10 CAS: 32085-88-4 NC: 2913 00 00 UN: 1989

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xi

R: 36/37/38 S: 26-36

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C086.1603	1 g	6
15C086.1604	5 g	6

1,2-Difluoro-4-Nitrobenzene, 98,5% PS

$C_6H_3F_2NO_2$

M: 159,09 CAS: 369-34-6 EINECS: 206-718-2 NC: 2904 90 85

HAZARDOUS:

Xi

R: 36/37/38-42/43 S: 26-37/39

1l~1,437kg 1kg~0,696l

SPECIFICATIONS:

Assay ..... 98,5 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B958.1604	5 ml	6
15B958.1606	25 ml	6

1,3-Difluoro-4-Nitrobenzene, 98% PS

$C_6H_3F_2NO_2$

M: 159,09 CAS: 446-35-5 EINECS: 207-167-0 NC: 2904 90 85 UN: 2810

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611

HAZARDOUS:

T

R: 23/24/25-33 S: 28a-36/37-45

1l~1,450kg 1kg~0,690l

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B831.1606	25 ml	6
15B831.1608	100 ml	6

2,4-Difluoronitrobenzene

(see 1,3-Difluoro-4-Nitrobenzene)

3,4-Difluoronitrobenzene

(see 1,2-Difluoro-4-Nitrobenzene)

Diglycine

(see Glycylglycine)

Di-n-Heptyl Phthalate, 98% PS

$C_{22}H_{34}O_4$

M: 362,50 CAS: 3648-21-3 EINECS: 222-885-4 NC: 2917 34 90

1l~0,992kg 1kg~1,008l

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C000.1605	10 ml	6
15C000.1607	50 ml	6

10,11-Dihydro-5H-Dibenz[b,f]Azepine

(see Iminodibenzyl)

Dihydro-2,5-Furandione

(see Succinic Anhydride)

9,10-Dihydro-9-Oxoanthracene
(see Anthrone)

3,4-Dihydro-2H-Pyran, 98% PS
C_5H_8O
M: 84,12 CAS: 110-87-2 EINECS: 203-810-4 NC: 2932 99 85 UN: 2376
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn **R: 11-19-20-36/38 S: 9-16-26-33-37/39**
1l~0,928kg 1kg~1,077l
SPECIFICATIONS:
Minimum assay ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,926-0,929
Water (H_2O) ..... 0,5 %

Order code	Package	Units/Box st.
15A638.1608	100 ml	6
15A638.1610	500 ml	6

(2R)-3,6-Dihydro-2H-Pyridine-1,2-Dicarboxylic Acid 1-tert-Butyl Ester
(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

(2S)-3,6-Dihydro-2H-Pyridine-1,2-Dicarboxylic Acid 1-tert-Butyl Ester
(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

Dihydroresorcinol
(see 1,3-Cyclohexanedione)

1,2-Dihydroxyanthraquinone
(see Alizarin)

3,4-Dihydroxybenzaldehyde, 98% PS
$C_7H_6O_3$
M: 138,12 CAS: 139-85-5 EINECS: 205-377-7 NC: 2912 30 00
HAZARDOUS:
Xi **R: 36/37/38 S: 26-37/39**
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A438.1606	25 g	6
15A438.1608	100 g	6

1,2-Dihydroxybenzene
(see Pyrocatechol)

1,3-Dihydroxybenzene
(see Resorcinol)

1,4-Dihydroxybenzene
(see Hydroquinone)

3,4-Dihydroxybenzoic Acid, 98% PS
$C_7H_6O_4$
M: 154,12 CAS: 99-50-3 EINECS: 202-760-0 NC: 2918 29 30
HAZARDOUS:
Xi **R: 36/37/38 S: 24/25**
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A437.1606	25 g	6
15A437.1608	100 g	6

3,5-Dihydroxybenzoic Acid, 99% PS
$C_7H_6O_4$
M: 154,12 CAS: 99-10-5 EINECS: 202-730-7 NC: 2918 99 90
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.
Melting range ..... 235-237°C

Order code	Package	Units/Box st.
15B604.1206	25 g	6
15B604.1208	100 g	6
15B604.1211	1000 g	6

1,3-Dihydroxybutane
(see 1,3-Butanediol)

1,4-Dihydroxybutane
(see 1,4-Butanediol)

3,4-Dihydroxycinnamic Acid
(see Caffeic Acid)

2,2'-Dihydroxydiethyl Ether
(see Diethylene Glycol)

2,6-Dihydroxyisonicotinic Acid
(see Citrazinic Acid)

D(-)-Dihydroxysuccinic Acid
(see D(-)-Tartaric Acid)

1,8-Dihydroxy-2-(4-Sulphophenylazo)-3,6-Naphthalenedisulphonic Acid Trisodium Salt
(see SPADNS)

3,5-Dihydroxytoluene 1-hydrate, 99% PS
$C_7H_8O_2.H_2O$
M: 142,16 CAS: 6153-39-5 EINECS: 207-984-2 NC: 2907 29 00
HAZARDOUS:
Xn **R: 22**
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 56-58°C

Order code	Package	Units/Box st.
15A639.1206	25 g	6
15A639.1208	100 g	6

Diiodomethane, 99% stabilized with copper PS
CH_2I_2
M: 267,87 CAS: 75-11-6 EINECS: 200-841-5 NC: 2903 39 90 UN: 2810
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:
Xn **R: 20 S: 24**
SPECIFICATIONS:
1l~3,322kg 1kg~0,301l
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 3,318-3,325

Order code	Package	Units/Box st.
15A779.1608	100 g	6
15A779.1610	500 g	6

Di-Isobutylketone PRS
$CO(CH_3)_4(CHCH_2)_2$
M: 142,24 CAS: 108-83-8 EINECS: 203-620-1 NC: 2914 19 90 UN: 1157
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
Xi **R: 10-37 S: 24 CE: 606-005-00-X**
1l~0,808kg 1kg~1,238l
SPECIFICATIONS:
Assay isomer mixture (G.C.) ..... 98,0 %
Identity ..... IR p/t.
Density at 20/4 0,806-0,810
Non-volatile matter ..... 0,01 %
Water (H_2O) ..... 0,2 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141290.1611	1000 ml	6
141290.1214	5 l	4
141290.0716	25 l	

Di-Isobutylketone, 98% PS
$CO(CH_3)_4(CHCH_2)_2$
M: 142,24 CAS: 108-83-8 EINECS: 203-620-1 NC: 2914 19 90 UN: 1157
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
Xi **R: 10-37 S: 24 CE: 606-005-00-X**
1l~0,808kg 1kg~1,238l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
151290.1606	25 ml	6
151290.1608	100 ml	6

Di-Isopropanolamine, 99% PS

$C_6H_{15}NO_2$

M: 133,19 CAS: 110-97-4 EINECS: 203-820-9 NC: 2922 19 80

HAZARDOUS:

Xi

R: 36 S: 26 CE: 603-083-00-7

SPECIFICATIONS:

Minimum assay (G.C.) (isomers mixture) ..... 99 %
Identity ..... IR p/t.
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
15A770.1209	250 g	6
15A770.1211	1000 g	6

Di-Isopropylamine, 99% PS

$C_6H_{15}N$

M: 101,19 CAS: 108-18-9 EINECS: 203-558-5 NC: 2921 19 80 UN: 1158

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F C

R: 11-20/22-34 S: 16-26-36/37/39-45 CE: 612-129-00-5

1l~0,716kg 1kg~1,396l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,715-0,717
Water (H_2O) ..... 0,3 %

Order code	Package	Units/Box st.
15A771.1611	1000 ml	6
15A771.1612	2,5 l	4
15A771.1214	5 l	4
15A771.0716	25 l	

N,N'-Diisopropylcarbodiimide, 98% PS

$C_7H_{14}N_2$

M: 126,20 CAS: 693-13-0 EINECS: 211-743-7 NC: 2925 19 95 UN: 2929

IMDG: 6.1/I ADR: 6.1/I IATA: 6.1/I PAX: 603 CAO: 604

HAZARDOUS:

T+

R: 10-26-41 S: 26-28a-39-45

1l~0,81kg 1kg~1,23l

SPECIFICATIONS:

Assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,812-0,814

Order code	Package	Units/Box st.
15A448.1606	25 ml	6
15A448.1608	100 ml	6

Di-Isopropyl Ether stabilized with ~50 ppm of BHT PA-ACS

$(CH_3)_2CHOCH(CH_3)_2$

M: 102,18 CAS: 108-20-3 EINECS: 203-560-6 NC: 2909 19 00 UN: 1159

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F

R: 11-19-66-67 S: 9-16-29-33 CE: 603-045-00-X

1l~0,721kg 1kg~1,387l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 20/4 0,720-0,723

MAXIMUM LIMIT OF IMPURITIES

APHA colour 25
Non-volatile matter ..... 0,005 %
Peroxides (as H_2O_2) ..... 0,005 %*
Acetone (G.C.) ..... 0,05 %
2-Propanol (G.C.) ..... 0,3 %
Acidity ..... 0,0004 meq/g
Water (H_2O) ..... 0,1 %
*At the moment of the batch analysis

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Cu	0,02	P	0,2
Al	0,5	Fe	0,1	Pb	0,1
As	0,1	Ge	0,05	Pt	0,05
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02

Order code	Package	Units/Box st.
131314.1611	1000 ml	6
131314.1612	2,5 l	4
131314.0314	5 l	4

Di-Isopropyl Ether stabilized with ~50 ppm of BHT PRS

$(CH_3)_2CHOCH(CH_3)_2$

M: 102,18 CAS: 108-20-3 EINECS: 203-560-6 NC: 2909 19 00 UN: 1159

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F

R: 11-19-66-67 S: 9-16-29-33 CE: 603-045-00-X

1l~0,721kg 1kg~1,387l

SPECIFICATIONS:

Assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,720-0,723
Non-volatile matter ..... 0,01 %
Acetone (G.C.) ..... 0,1 %
2-Propanol (G.C.) ..... 0,5 %
Acidity ..... 0,0008 meq/g
Water (H_2O) ..... 0,3 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141314.1611	1000 ml	6
141314.0314	5 l	4
141314.0616	25 l	

Di-Isopropyl Ether, 99% stabilized with ~50 ppm of BHT PS

$(CH_3)_2CHOCH(CH_3)_2$

M: 102,18 CAS: 108-20-3 EINECS: 203-560-6 NC: 2909 19 00 UN: 1159

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F

R: 11-19-66-67 S: 9-16-29-33 CE: 603-045-00-X

1l~0,721kg 1kg~1,387l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,720-0,723
Non-volatile matter ..... 0,005 %
Peroxides (as H_2O_2) ..... 0,005 %*
Water (H_2O) ..... 0,1 %
*At the moment of the batch analysis

Order code	Package	Units/Box st.
161314.1611	1000 ml	6
161314.0314	5 l	4
161314.0616	25 l	

N,N-Diisopropylethylamine

(see N-Ethyl Di-Isopropylamine)

Diisopropyl D(-)-Tartrate, 98% PS

$C_{10}H_{18}O_6$

M: 234,25 CAS: 62961-64-2 EINECS: 263-771-4 NC: 2918 13 00

1l~1,190kg 1kg~0,84l

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A242.1605	10 ml	6
15A242.1607	50 ml	6

Diisopropyl L(+)-Tartrate, 98% PS

M: 234,25 CAS: 2217-15-4 EINECS: 218-709-0 NC: 2918 13 00

1l~1,14kg 1kg~0,87l

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A243.1606	25 ml	6
15A243.1608	100 ml	6

Dimedone PA

aldehyde reagent

$C_8H_{12}O_2$

M: 140,18 CAS: 126-81-8 EINECS: 204-804-4 NC: 2914 29 00

SPECIFICATIONS:

Identity ..... IR p/t.
Melting range ..... 145-150°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in C_2H_5OH ..... p/t.
Residue on ignition (as SO_4) ..... 0,1 %

Order code	Package	Units/Box st.
121291.1606	25 g	6

3,4-Dimethoxybenzonitrile, 98% PS

$C_9H_9NO_2$

M: 163,18 CAS: 2024-83-1 EINECS: 217-969-2 NC: 2926 90 95 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn **R: 20/21/22 S: 36/37**

SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B876.1606	25 g	6
15B876.1608	100 g	6

2,3-Dimethoxycinnamic Acid, 97% PS

$C_{11}H_{12}O_4$

M: 208,22 CAS: 7345-82-6 NC: 2916 39 00
HAZARDOUS:

Xi **R: 36/37/38 S: 28a-37-45**

SPECIFICATIONS:
Assay ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C139.1604	5 g	6
15C139.1606	25 g	6

2,5-Dimethoxycinnamic Acid, 99% PS

$C_{11}H_{12}O_4$

M: 208,22 CAS: 10538-51-9 EINECS: 234-114-9 NC: 2916 39 00
HAZARDOUS:

Xi **R: 36/37/38 S: 28a-37-45**

SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C144.1606	25 g	6
15C144.1608	100 g	6

1,2-Dimethoxyethane

(see Ethylene Glycol di-Methyl Ether)

Dimethoxymethane

(see Formaldehyde Dimethylacetal)

2,2-Dimethoxypropane, 98% PS

$(CH_3)_2CH(OCH_3)_2$

M: 104,15 CAS: 77-76-9 EINECS: 201-056-0 NC: 2911 00 00 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

Xi F **R: 11-36/37/38 S: 9-16-26-33-37/39**

1l~0,847kg 1kg~1,180l
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A121.1610	500 ml	6
15A121.1612	2,5 l	4

SV

Soluciones valoradas
Volumetric solutions
Solutions volumétriques

N,N-Dimethylacetamide (UV-IR-HPLC) PAI

C_4H_9NO

M: 87,12 CAS: 127-19-5 EINECS: 204-826-4 NC: 2924 19 00
HAZARDOUS:

T **R: 61-20/21 S: 53-45 CE: 616-011-00-4**

1l~0,942kg 1kg~1,062l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0005 %
Water (H_2O) ..... 0,02 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	270 (Cut off)	280	290	310	320	360-450
A (AU)	1,000	0,301	0,155	0,051	0,032	0,009
T (%)	10	50	70	89	93	98

Suitability for HPLC-gradient

λ (nm)	280	320	360
mAu	150	10	2,5

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 6,5
Sol. H_2O in solv. at 20°C ..... miscible
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
363145.1611	1000 ml	6
363145.1612	2,5 l	4

N,N-Dimethylacetamide (Reag. Ph. Eur.) PA

C_4H_9NO

M: 87,12 CAS: 127-19-5 EINECS: 204-826-4 NC: 2924 19 00
HAZARDOUS:

T **R: 61-20/21 S: 53-45 CE: 616-011-00-4**

1l~0,942kg 1kg~1,062l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,940-0,944
Distillation range ..... 164,5-167,5°C
pH 20% solution 4,0-7,0
MAXIMUM LIMIT OF IMPURITIES
Non-volatile matter ..... 0,001 %
Water (H_2O) ..... 0,05 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,001 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

Order code	Package	Units/Box st.
123145.1611	1000 ml	6

N,N-Dimethylacetamide (BP, Ph. Eur.) PRS-CODEX

C_4H_9NO

M: 87,12 CAS: 127-19-5 EINECS: 204-826-4 NC: 2924 19 00
HAZARDOUS:

T **R: 61-20/21 S: 53-45 CE: 616-011-00-4**

1l~0,942kg 1kg~1,062l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,0 %
Identity according to Pharmacopoeias ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Appearance ..... p/t.
Non-volatile matter ..... 0,002 %
Acidity ..... p/t.
Alkalinity ..... p/t.
Related substances:
Individual impurity ..... 0,1 %
Total impurities ..... 0,3 %
Water (H_2O) ..... 0,1 %
Heavy metals (as Pb) ..... 0,001 %
Residual solvents (Ph.Eur./USP) ..... p/t.

Order code	Package	Units/Box st.
143145.1611	1000 ml	6
143145.1214	5 l	4
143145.0716	25 l	

N,N-Dimethylacetamide, 99% PS

C_4H_9NO

M: 87,12 CAS: 127-19-5 EINECS: 204-826-4 NC: 2924 19 00

HAZARDOUS:

T

R: 61-20/21 S: 53-45 CE: 616-011-00-4

1l~0,942kg 1kg~1,062l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,940-0,944
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
163145.1611	1000 ml	6
163145.1612	2,5 l	4
163145.1214	5 l	4
163145.0716	25 l	
163145.0719	200 l	

Dimethylamine solution 40% PS

$(CH_3)_2NH$

M: 45,08 CAS: 124-40-3 EINECS: 204-697-4 NC: 2921 11 10 UN: 1160

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F C

R: 11-20/22-34 S: 16-26-29-36/37/39-45 CE: 612-001-01-9

1l~0,886kg 1kg~1,129l

SPECIFICATIONS:

Assay (Acidim.) ..... ~40 %
Density at 20/4 0,884-0,887

Order code	Package	Units/Box st.
15A772.1611	1000 ml	6
15A772.1214	5 l	4

4-(Dimethylamino) Azobenzene (C.I. 11020) PA

pH indicator 2,9 red; 4,0 yellow

$C_{14}H_{15}N_3$

M: 225,30 CAS: 60-11-7 EINECS: 200-455-7 NC: 2927 00 00 UN: 3143

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T

R: 25-40 S: 36/37-45

SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS in HCl 0,1 mol/l ..... 508-512 nm
A 1%, 1 cm, λmax ..... >1250
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

pH transition interval:
red 2,9
yellow 4,0
Loss on drying at 105°C ..... 5 %

Order code	Package	Units/Box st.
121292.1606	25 g	6

4-(Dimethylamino) Azobenzene solution 0,5%

(see Methyl Yellow solution 0,5%)

4-(Dimethylamino) Benzaldehyde (Reag. Ph. Eur.) PA-ACS

$(CH_3)_2NC_6H_4CHO$

M: 149,19 CAS: 100-10-7 EINECS: 202-819-0 NC: 2922 39 00

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Melting range ..... 73-75°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in C_2H_5OH ..... p/t.
Colour APHA of alcoholic solution 60
Insoluble matter in HCl ..... p/t.
Colour of acid solution ..... p/t.
Residue on ignition (as SO_4) ..... 0,1 %

Metals by ICP [mg/Kg (ppm)]

Ca 10
Cd 5
Co 5
Cr 5
Cu 5
Fe 100
K 50
Mg 5
Mn 5
Na 500
Ni 5
Pb 5
Zn 50

Order code	Package	Units/Box st.
131293.1606	25 g	6
131293.1608	100 g	6

4-(Dimethylamino) Benzaldehyde PA

$(CH_3)_2NC_6H_4CHO$

M: 149,19 CAS: 100-10-7 EINECS: 202-819-0 NC: 2922 39 00

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Melting range ..... 73-75°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl ..... p/t.
Residue on ignition (as SO_4) ..... 0,1 %

Metals by ICP [mg/Kg (ppm)]

Ca 50
Cd 5
Co 5
Cr 5
Cu 5
Fe 100
K 50
Mg 5
Mn 5
Na 500
Ni 5
Pb 5
Zn 50

Order code	Package	Units/Box st.
121293.1606	25 g	6
121293.1608	100 g	6

4-(Dimethylamino) Benzaldehyde, 99% PS

$(CH_3)_2NC_6H_4CHO$

M: 149,19 CAS: 100-10-7 EINECS: 202-819-0 NC: 2922 39 00

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 73-75°C

Order code	Package	Units/Box st.
161293.1608	100 g	6
161293.1609	250 g	6

(Dimethylamino) Benzene

(see N,N-Dimethylaniline)

2-(Dimethylamino) Isopropyl Chloride Hydrochloride, 98% PS

$C_5H_{13}Cl_2N$

M: 158,07 CAS: 4584-49-0 EINECS: 224-971-7 NC: 2921 19 80

HAZARDOUS:

Xn

R: 22 S: 22-24/25

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B584.1208	100 g	6
15B584.1210	500 g	6

4-(Dimethylamino) Pyridine, 99% PS

$C_7H_{10}N_2$

M: 122,17 CAS: 1122-58-3 EINECS: 214-353-5 NC: 2933 39 99 UN: 2928

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T

R: 24/25-36/38 S: 22-36/37-45

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
15A021.1604	5 g	6
15A021.1606	25 g	6
15A021.1608	100 g	6

VINIKIT

Análisis de vinos
Wine analysis
Analyse des vins

N,N-Dimethylaniline PA

$C_8H_{11}N$

M: 121,18 CAS: 121-69-7 EINECS: 204-493-5 NC: 2921 42 90 UN: 2253
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:

T N **R: 23/24/25-40-51/53 S: 28a-36/37-45-61 CE: 612-016-00-0**
1l~0,958kg 1kg~1,044l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,955-0,960
MAXIMUM LIMIT OF IMPURITIES
Aniline (G.C.) ..... 0,1 %
Hydrocarbons ..... p/t.
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
121294.1609	250 ml	6
121294.1611	1000 ml	6

N,N-Dimethylaniline, 99% PS

$C_8H_{11}N$

M: 121,18 CAS: 121-69-7 EINECS: 204-493-5 NC: 2921 42 90 UN: 2253
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:

T N **R: 23/24/25-40-51/53 S: 28a-36/37-45-61 CE: 612-016-00-0**
1l~0,958kg 1kg~1,044l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,955-0,960
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
161294.1611	1000 ml	6

Dimethylarsinic Acid Sodium Salt

(see Cacodylic Acid Sodium Salt 3-hydrate)

Dimethylbenzene

(see Xylene mixture of isomers)

1,2-Dimethylbenzene

(see o-Xylene)

1,3-Dimethylbenzene

(see m-Xylene)

1,4-Dimethylbenzene

(see p-Xylene)

3,3'-Dimethylbenzidine

(see o-Tolidine)

2,5-Dimethylbenzoic Acid, 98% PS

$C_9H_{10}O_2$

M: 150,17 CAS: 610-72-0 EINECS: 210-235-2 NC: 2916 31 00
HAZARDOUS:

Xi **R: 36/37/38 S: 26-37/39**
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C001.1605	10 g	6
15C001.1607	50 g	6

3,5-Dimethylbenzoic Acid, 98% PS

$C_9H_{10}O_2$

M: 150,18 CAS: 499-06-9 EINECS: 207-876-5 NC: 2916 31 00
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A304.1606	25 g	6

Dimethyl Carbonate, 99% PS

$C_3H_6O_3$

M: 90,08 CAS: 616-38-6 EINECS: 210-478-4 NC: 2920 90 85 UN: 1161
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F **R: 11 S: 9-16 CE: 607-013-00-6**
1l~1,069kg 1kg~0,935l
SPECIFICATIONS:
Minimum assay ..... 99 %

Order code	Package	Units/Box st.
15A158.1609	250 ml	6
15A158.1611	1000 ml	6

4-(1,1-Dimethylethyl)-1,2-Benzenediol

(see 4-tert-Butylpyrocatechol)

N,N'-Dimethylethyleneurea

(see 1,3-Dimethyl-2-Imidazolidinone)

1,1-Dimethylethylhydroperoxide

(see tert-Butyl Hydroperoxide)

N,N-Dimethylformamide (UV-IR-HPLC-GPC) PAI-ACS

$(CH_3)_2NCHO$

M: 73,10 CAS: 68-12-2 EINECS: 200-679-5 NC: 2924 19 00 UN: 2265
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

T **R: 61-E20/21-36 S: 53-45 CE: 616-001-00-X**
1l~0,948kg 1kg~1,055l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0003 %
Acidity ..... 0,0005 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,05 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	270 (Cut off)	275	290	300	330-450
A (AU)	1,000	0,301	0,097	0,046	0,009
T (%)	10	50	80	90	98

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 6,4
Sol. H_2O in solv. at 20°C ..... miscible
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361785.1611	1000 ml	6

N,N-Dimethylformamide dry (max. 0,01% water) DS-ACS-ISO

$(CH_3)_2NCHO$

M: 73,10 CAS: 68-12-2 EINECS: 200-679-5 NC: 2924 19 00 UN: 2265
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

R: 61-E20/21-36 S: 53-45 CE: 616-001-00-X
1l~0,948kg 1kg~1,055l
SPECIFICATIONS:

Minimum assay (G.C.)	99,8 %
Identity	IR p/t.
Density at 20/4	0,946-0,950

MAXIMUM LIMIT OF IMPURITIES

APHA colour	15
Non-volatile matter	0,005 %
Diethylamine (G.C.)	0,05 %
Dimethylamine (G.C.)	0,05 %
Methanol (G.C.)	0,05 %
Acidity	0,0005 meq/g
Alkalinity	0,0005 meq/g
Water (H_2O)	0,01 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
481785.1611	1000 ml	6

N,N-Dimethylformamide (Reag. Ph. Eur.) PA-ACS-ISO

$(CH_3)_2NCHO$

M: 73,10 CAS: 68-12-2 EINECS: 200-679-5 NC: 2924 19 00 UN: 2265
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

R: 61-E20/21-36 S: 53-45 CE: 616-001-00-X
1l~0,948kg 1kg~1,055l
SPECIFICATIONS:

Minimum assay (G.C.)	99,8 %
Identity	IR p/t.
Density at 20/20	0,949-0,952

MAXIMUM LIMIT OF IMPURITIES

APHA colour	15
Non-volatile matter	0,005 %
Diethylamine (G.C.)	0,05 %
Dimethylamine (G.C.)	0,05 %
Methanol (G.C.)	0,05 %
Acidity	0,0005 meq/g
Alkalinity	0,0005 meq/g
Water (H_2O)	0,1 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131785.1611	1000 ml	6
131785.1612	2,5 l	4
131785.1214	5 l	4
131785.0716	25 l	

N,N-Dimethylformamide PRS

$(CH_3)_2NCHO$

M: 73,10 CAS: 68-12-2 EINECS: 200-679-5 NC: 2924 19 00 UN: 2265
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

R: 61-E20/21-36 S: 53-45 CE: 616-001-00-X
1l~0,948kg 1kg~1,055l
SPECIFICATIONS:

Assay (G.C.)	99 %
Identity	IR p/t.
Density at 20/4	0,946-0,950
Non-volatile matter	0,05 %
Diethylamine (G.C.)	0,1 %
Dimethylamine (G.C.)	0,1 %
Methanol (G.C.)	0,1 %
Water (H_2O)	0,3 %
Cu	0,00002 %
Fe	0,00005 %
Ni	0,00002 %
Pb	0,00002 %

Order code	Package	Units/Box st.
141785.1611	1000 ml	6
141785.1612	2,5 l	4
141785.1214	5 l	4
141785.0716	25 l	

N,N-Dimethylformamide BS

for synthesis of peptides

$(CH_3)_2NCHO$

M: 73,10 CAS: 68-12-2 EINECS: 200-679-5 NC: 2924 19 00 UN: 2265
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

R: 61-E20/21-36 S: 53-45 CE: 616-001-00-X
1l~0,948kg 1kg~1,055l
SPECIFICATIONS:

Minimum assay (G.C.)	99,5 %
Identity	IR p/t.
Density at 20/4	0,946-0,950
Amines (as C_2H_7N)	0,0001 %
Formaldehyde (HCHO)	0,0001 %
Water (H_2O)	0,1 %

Bottled under nitrogen atmosphere.

Order code	Package	Units/Box st.
731785.1611	1000 ml	6
731785.1612	2,5 l	4

N,N-Dimethylformamide, 99,8% PS

$(CH_3)_2NCHO$

M: 73,10 CAS: 68-12-2 EINECS: 200-679-5 NC: 2924 19 00 UN: 2265
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

R: 61-E20/21-36 S: 53-45 CE: 616-001-00-X
1l~0,948kg 1kg~1,055l
SPECIFICATIONS:

Minimum assay (G.C.)	99,8 %
Identity	IR p/t.
Density at 20/4	0,946-0,950
Water (H_2O)	0,1 %

Order code	Package	Units/Box st.
161785.1611	1000 ml	6
161785.1612	2,5 l	4
161785.1214	5 l	4
161785.0716	25 l	
161785.0719	200 l	

N,N-Dimethylformamide-D7 deuteration degree min. 99,5% (NMR) PAI

$(CD_3)_2NCHO$

M: 80,14 CAS: 4472-41-7 EINECS: 224-745-8 NC: 2845 90 10 UN: 2265
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

R: 61-20/21-36 S: 53-36/37-45
1l~1,05kg 1kg~0,95l
SPECIFICATIONS:

Deuteration degree min.	99,5 %
NMR suitability	p/t.

MAXIMUM LIMIT OF IMPURITIES

Water (H_2O+D_2O)	0,05 %

Order code	Package	Units/Box st.
745855.02130	10 x 0,75 ml	6
745855.1605	10 ml	6

N,N-Dimethylformamide-Dimethylacetal CG

for derivatization (GC)
$C_5H_{13}NO_2$
M: 119,16 CAS: 4637-24-5 EINECS: 225-063-3 NC: 2922 50 00 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn **R: 11-20-36/38 S: 16-23c**
1l~0,895kg 1kg~1,117l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 96 %
Identity ..... IR p/t.
Density at 20/4 0,893-0,897
Product bottled under nitrogen atmosphere.

Order code	Package	Units/Box st.
355600.0922	20 x 1 ml	6
355600.1905	10 ml	6

N,N-Dimethylformamide-Dimethylacetal, 95% PS

$C_5H_{13}NO_2$
M: 119,16 CAS: 4637-24-5 EINECS: 225-063-3 NC: 2922 50 00 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn **R: 11-20-36/38 S: 16-23c**
1l~0,895kg 1kg~1,117l
SPECIFICATIONS:
Assay ..... 95 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
155600.1606	25 ml	6
155600.1608	100 ml	6
155600.1610	500 ml	6

Dimethyl Fumarate, 98% PS

$C_6H_8O_4$
M: 144,13 CAS: 624-49-7 EINECS: 210-849-0 NC: 2917 19 90
HAZARDOUS:
Xn **R: 21-36/37/38-43 S: 36/37/39**
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C036.1206	25 g	6
15C036.1208	100 g	6

Dimethylglycol

(see Ethylene Glycol di-Methyl Ether)

Dimethylglyoxal

(see 2,3-Butanedione)

Dimethylglyoxime (Reag. Ph. Eur.) PA-ACS

$C_4H_8N_2O_2$
M: 116,12 CAS: 95-45-4 EINECS: 202-420-1 NC: 2928 00 90
HAZARDOUS:
Xn **R: 22 S: 24/25**
SPECIFICATIONS:
Minimum assay (Gravim.) ..... 99,0 %
Identity ..... IR p/t.
Melting range ..... 238-242°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in C_2H_5OH ..... 0,02 %
Loss on drying at 110°C ..... 1 %
Residue on ignition (as SO_4) ..... 0,05 %
Sensitivity to Ni ..... p/t.
Ca ..... 0,001 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131295.1208	100 g	6
131295.1210	500 g	6

Dimethylglyoxime di-Sodium Salt 8-hydrate PA

$C_4H_6N_2Na_2O_2.8H_2O$
M: 304,21 CAS: 75006-64-3 EINECS: 262-523-2 NC: 2928 00 90
HAZARDOUS:
Xn **R: 22**
SPECIFICATIONS:
Assay (Perchl. Ac.) ..... 98-102 %
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,01 %
Sensitivity to Ni ..... p/t.

Order code	Package	Units/Box st.
121594.1208	100 g	6
121594.1210	500 g	6

1,3-Dimethyl-2-Imidazolidinone, 98% PS

$C_5H_{10}N_2O$
M: 114,15 CAS: 80-73-9 EINECS: 201-304-8 NC: 2933 29 90
HAZARDOUS:
Xn **R: 21/22-36 S: 36/37**
1l~1,044kg 1kg~0,958l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B523.1608	100 ml	6
15B523.1610	500 ml	6

3,7-Dimethyl-1,6-Octadien-3-ol

(see Linalool)

3,7-Dimethyl-2,6-Octadien-1-ol

(see Geraniol)

3,7-Dimethyl-1,6-Octadien-3-yl Acetate

(see Linalyl Acetate)

2,9-Dimethyl-1,10-Phenanthroline

(see Neocuproin)

3,5-Dimethylphenol, 99% PS

$C_8H_{10}O$
M: 122,17 CAS: 108-68-9 EINECS: 203-606-5 NC: 2907 19 90 UN: 2261
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T **R: 24/25-34 S: 26-28b-36/37/39-45 CE: 604-037-00-9**
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 61-64°C

Order code	Package	Units/Box st.
15A640.1608	100 g	6
15A640.1610	500 g	6

Dimethyl Phthalate, 99% PS

$(COOCH_3)_2C_6H_4$
M: 194,19 CAS: 131-11-3 EINECS: 205-011-6 NC: 2917 34 90
HAZARDOUS:
N **R: 52 S: 62**
1l~1,192kg 1kg~0,839l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,190-1,195
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
15A774.1211	1000 ml	6
15A774.1212	2,5 l	4
15A774.0716	25 l	

2,6-Dimethylpyridine, 98% PS

C_7H_9N

M: 107,16 CAS: 108-48-5 EINECS: 203-587-3 NC: 2933 39 99 UN: 2929
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:

Xn **R: 10-22 S: 24/25**

1l~0,923kg 1kg~1,083l
SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,922-0,924

Order code	Package	Units/Box st.
15A623.1608	100 ml	6
15A623.1610	500 ml	6

2,4-Dimethylquinoline, 97% PS

$C_{11}H_{11}N$

M: 157,2 CAS: 1198-37-4 EINECS: 214-832-9 NC: 2933 49 90
HAZARDOUS:

Xi **R: 36/37/38 S: 26-37/39**

1l~1,061kg 1kg~0,942l
SPECIFICATIONS:

Assay ..... 97 %
Identity ..... IR p/t.
2,6-Dimethylquinoline + 2,8-Dimethylquinoline ..... 0,5 %
Aniline ..... 0,2 %
Quinaldine ..... 2,5 %
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
15C275.1902	0,5 ml	6

Dimethyl Sulphate, 99% PS

$C_2H_6O_4S$

M: 126,13 CAS: 77-78-1 EINECS: 201-058-1 NC: 2920 90 10 UN: 1595
IMDG: 6.1/I ADR: 6.1/I IATA: 6.1/- PAX: P CAO: P
HAZARDOUS:

T+ **R: 45-E25-E26-34-43-E68 S: 53-45 CE: 016-023-00-4**

1l~1,327kg 1kg~0,754l
SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,325-1,328

Order code	Package	Units/Box st.
15A775.1611	1000 ml	6

Dimethyl Sulphoxide (UV-IR-HPLC-GPC) PAI

C_2H_6OS

M: 78,13 CAS: 67-68-5 EINECS: 200-664-3 NC: 2930 90 85
HAZARDOUS:
S: 24/25
1l~1,103kg 1kg~0,907l
SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,9 %

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Organic volatile impurities ..... p/t
Acidity ..... 0,0005 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,1 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	265 (Cut off)	270	280	290	310	330	350-450
A (AU)	1,000	0,523	0,301	0,155	0,009	0,046	0,009
T (%)	10	30	50	70	80	90	98

Fluorescence (as quinine):

λ (nm)	365
ppb	7,0

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 7,2
Eluotropic value E°(Al_2O_3) 0,75
Sol. H_2O in solv. at 20°C ..... miscible
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361954.1611	1000 ml	6
361954.1612	2,5 l	4

Dimethyl Sulphoxide dry (max. 0,03% water) DS-ACS

C_2H_6OS

M: 78,13 CAS: 67-68-5 EINECS: 200-664-3 NC: 2930 90 85
HAZARDOUS:
S: 24/25
1l~1,103kg 1kg~0,907l
SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,9 %
Identity ..... IR p/t.
Freezing point ..... ≥18,0°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,01 %
Dimethyl Sulfone (G.C.) ..... 0,1 %
Methanol (G.C.) ..... 0,05 %
Acidity ..... 0,001 meq/g
Water (H_2O) ..... 0,03 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
481954.1611	1000 ml	6

Dimethyl Sulphoxide (Reag. Ph. Eur.) PA-ACS

C_2H_6OS

M: 78,13 CAS: 67-68-5 EINECS: 200-664-3 NC: 2930 90 85
HAZARDOUS:
S: 24/25
1l~1,103kg 1kg~0,907l
SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,9 %
Identity ..... IR p/t.
Freezing point ..... ≥18,0°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,01 %
Dimethyl Sulfone (G.C.) ..... 0,1 %
Methanol (G.C.) ..... 0,05 %
Acidity ..... 0,001 meq/g
Water (H_2O) ..... 0,1 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131954.1611	1000 ml	6
131954.1612	2,5 l	4
131954.1214	5 l	4
131954.0716	25 l	

Dimethyl Sulphoxide PRS

C_2H_6OS

M: 78,13 CAS: 67-68-5 EINECS: 200-664-3 NC: 2930 90 85

HAZARDOUS:

S: 24/25

1l~1,103kg 1kg~0,907l

SPECIFICATIONS:

Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,05 %
Dimethyl Sulfone (G.C.) ..... 0,2 %
Methanol (G.C.) ..... 0,1 %
Acidity ..... 0,002 meq/g
Water (H_2O) ..... 0,2 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141954.1611	1000 ml	6
141954.1612	2,5 l	4
141954.1214	5 l	4
141954.0716	25 l	

Dimethyl Sulphoxide (RFE, USP, BP, Ph. Eur.) CODEX

C_2H_6OS

M: 78,13 CAS: 67-68-5 EINECS: 200-664-3 NC: 2930 90 85

HAZARDOUS:

S: 24/25

1l~1,103kg 1kg~0,907l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,9 %
Identity according to Pharmacopoeias ..... p/t.
Density at 20/20 1,100-1,104
Refractive index 1,478-1,479
Freezing point ..... ≥18,3°C

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter ..... 0,01 %
Absorbance U.V ..... p/t.
Dimethyl Sulfone (G.C.) ..... 0,03 %
Related substances (G.C.) ..... p/t.
Substances darkened by KOH ..... p/t.
Acidity ..... p/t.
Water (H_2O) ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
191954.1611	1000 ml	6
191954.1612	2,5 l	4
191954.1214	5 l	4
191954.0716	25 l	

Dimethyl Sulphoxide, 99,5% PS

C_2H_6OS

M: 78,13 CAS: 67-68-5 EINECS: 200-664-3 NC: 2930 90 85

HAZARDOUS:

S: 24/25

1l~1,103kg 1kg~0,907l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Freezing point ..... ≥18,0°C
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
161954.1611	1000 ml	6
161954.1612	2,5 l	4
161954.0716	25 l	

Dimethyl Sulphoxide-D6 deuteration degree min. 99,95% (NMR) PAI

$(CD_3)_2SO$

M: 84,18 CAS: 2206-27-1 EINECS: 218-617-0 NC: 2845 90 10

1l~1,19kg 1kg~0,84l

SPECIFICATIONS:

Deuteration degree min. ..... 99,95 %
NMR suitability ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Water (H_2O+D_2O) ..... 0,02 %

Order code	Package	Units/Box st.
745862.02130	10 x 0,75 ml	6
745862.1605	10 ml	6

Dimethyl Sulphoxide-D6 deuteration degree min. 99,9% (NMR) PAI

$(CD_3)_2SO$

M: 84,18 CAS: 2206-27-1 EINECS: 218-617-0 NC: 2845 90 10

1l~1,19kg 1kg~0,84l

SPECIFICATIONS:

Deuteration degree min. ..... 99,9 %
NMR suitability ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Water (H_2O+D_2O) ..... 0,03 %

Order code	Package	Units/Box st.
745861.02130	10 x 0,75 ml	6
745861.1605	10 ml	6

Dimethyl Sulphoxide-D6 deuteration degree min. 99,8% (NMR) PAI

$(CD_3)_2SO$

M: 84,18 CAS: 2206-27-1 EINECS: 218-617-0 NC: 2845 90 10

1l~1,19kg 1kg~0,84l

SPECIFICATIONS:

Deuteration degree min. ..... 99,8 %
NMR suitability ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Water (H_2O+D_2O) ..... 0,03 %

Order code	Package	Units/Box st.
745860.02130	10 x 0,75 ml	6
745860.1605	10 ml	6

N,N'-Dimethylurea

(see 1,3-Dimethylurea)

1,3-Dimethylurea, 98% PS

$(CH_3NH)_2CO$

M: 88,11 CAS: 96-31-1 EINECS: 202-498-7 NC: 2924 19 00

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 102-105°C

Order code	Package	Units/Box st.
15A593.1210	500 g	6

Dimethyl Yellow

(see 4-(Dimethylamino) Azobenzene)

Dimidium Bromide

(see 3,8-Diamino-5-Methyl-6-Phenylphenanthridinium Bromide)

1,3-Dinitrobenzene (Reag. USP, Ph. Eur.) PA

$(NO_2)_2C_6H_4$

M: 168,11 CAS: 99-65-0 EINECS: 202-776-8 NC: 2904 20 00 UN: 3443

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T+ N

R: 26/27/28-33-50/53 S: 28a-36/37-45-60-61

CE: 609-004-00-2

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Melting range ..... 89-91°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in Cl_3CH ..... p/t.
Residue on ignition (as SO_4) ..... 0,1 %
1,2-Dinitrobenzene (G.C.) ..... 0,1 %
1,4-Dinitrobenzene (G.C.) ..... 0,1 %
Water (H_2O) ..... 0,5 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
122058.1207	50 g	6

1,3-Dinitrobenzene, 98% PS

$(NO_2)_2C_6H_4$

M: 168,11 CAS: 99-65-0 EINECS: 202-776-8 NC: 2904 20 00 UN: 3443

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T+ N

R: 26/27/28-33-50/53 S: 28a-36/37-45-60-61

CE: 609-004-00-2

SPECIFICATIONS:

Minimum assay (G.C.) a.a.s. ..... 98 %
Identity ..... IR p/t.
Melting range (a.a.s.) ..... 89-91°C

Order code	Package	Units/Box st.
162058.1209	250 g	6
162058.1211	1000 g	6

m-Dinitrobenzene
(see 1,3-Dinitrobenzene)

3,5-Dinitrobenzoic Acid, 98% PS
$C_7H_4N_2O_6$
M: 212,12 CAS: 99-34-3 EINECS: 202-751-1 NC: 2916 39 00
Minimum assay (Acidim.)..... 98 %
Identity..... IR p/t.
Melting range..... 204-208°C

Order code	Package	Units/Box st.
162836.1608	100 g	6
162836.1610	500 g	6

3,5-Dinitrobenzoyl Chloride, 98% PS
$C_7H_3ClN_2O_5$
M: 230,57 CAS: 99-33-2 EINECS: 202-750-6 NC: 2916 39 00 UN: 3261
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:
C
R: 34 S: 26-36/37/39-45
SPECIFICATIONS:
Minimum assay (Acidim.)..... 98 %
Identity..... IR p/t.
Melting range..... 68-70°C

Order code	Package	Units/Box st.
15A891.1608	100 g	6

1,3-Dinitro-4-Chlorobenzene
(see 1-Chloro-2,4-Dinitrobenzene)

2,4-Dinitro-1-Chlorobenzene
(see 1-Chloro-2,4-Dinitrobenzene)

2,4-Dinitrophenol moistened with ~33% of H_2O PA
$(NO_2)_2C_6H_3OH$
M: 184,10 CAS: 51-28-5 EINECS: 200-087-7 NC: 2908 99 90 UN: 1320
IMDG: 4.1/I ADR: 4.1/I IATA: 4.1/I PAX: 416 CAO: 412
HAZARDOUS:
T N
R: 23/24/25-33-50 S: 28a-37-45-61 CE: 609-041-00-4
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity..... IR p/t.
Melting range..... 110-113°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in C_2H_5OH ..... p/t.
Residue on ignition (as SO_4)..... 0,05 %
(Analysis applied to the dry substance)

Order code	Package	Units/Box st.
122443.1606	25 g	6

2,4-Dinitrophenol, 98% moistened with ~33% of H_2O PS
$(NO_2)_2C_6H_3OH$
M: 184,10 CAS: 51-28-5 EINECS: 200-087-7 NC: 2908 99 90 UN: 1320
IMDG: 4.1/I ADR: 4.1/I IATA: 4.1/I PAX: 416 CAO: 412
HAZARDOUS:
T N
R: 23/24/25-33-50 S: 28a-37-45-61 CE: 609-041-00-4
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity..... IR p/t.
Melting range..... 111-114°C

Order code	Package	Units/Box st.
162443.1608	100 g	6

2,4-Dinitrophenylhydrazine moistened with ~33% of H_2O (Reag. Ph. Eur.) PA
$(NO_2)_2C_6H_3NHNH_2$
M: 198,14 CAS: 119-26-6 EINECS: 204-309-3 NC: 2928 00 90 UN: 1325
IMDG: 4.1/III ADR: 4.1/III IATA: 4.1/III PAX: 419 CAO: 420
HAZARDOUS:
Xn
R: 1-22-36/38 S: 35
SPECIFICATIONS:
Minimum assay (HPLC)..... 99,0 %
Identity..... IR p/t.
Melting range..... 199-202°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2SO_4 ..... 0,01 %
Residue on ignition (as SO_4)..... 0,02 %
Sensitivity to carbonyl group..... p/t.
Chloride (Cl)..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Cu..... 0,001 %
Fe..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %
(Analysis applied to dry substance)

Order code	Package	Units/Box st.
122325.1606	25 g	6
122325.1608	100 g	6

2,4-Dinitrophenylhydrazine, 99% moistened with ~33% of H_2O PS
$(NO_2)_2C_6H_3NHNH_2$
M: 198,14 CAS: 119-26-6 EINECS: 204-309-3 NC: 2928 00 90 UN: 1325
IMDG: 4.1/III ADR: 4.1/III IATA: 4.1/III PAX: 419 CAO: 420
HAZARDOUS:
Xn
R: 1-22-36/38 S: 35
SPECIFICATIONS:
Minimum assay (HPLC)..... 99 %
Identity..... IR p/t.

Order code	Package	Units/Box st.
162325.1606	25 g	6
162325.1608	100 g	6
162325.1609	250 g	6
162325.1214	5 kg	P

3,5-Dinitrosalicylic Acid PB
$C_7H_4N_2O_7$
M: 228,12 CAS: 609-99-4 EINECS: 210-204-3 NC: 2918 29 80 UN: 2811
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
Xn
R: 22 S: 22-24/25
SPECIFICATIONS:
Minimum assay (Acidim.)..... 99,0 %
Identity..... IR p/t.
A 1%; 1cm; λmax to 335 nm in C_2H_5OH 500-550
Melting range..... 171-174°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in C_2H_5OH ..... 0,01 %
Residue on ignition (as SO_4)..... 0,05 %
Cu..... 0,001 %
Fe..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
372837.1606	25 g	6

3,5-Dinitrosalicylic Acid, 98% PS
$C_7H_4N_2O_7$
M: 228,12 CAS: 609-99-4 EINECS: 210-204-3 NC: 2918 29 80 UN: 2811
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
Xn
R: 22 S: 22-24/25
SPECIFICATIONS:
Minimum assay (Acidim.)..... 98 %
Identity..... IR p/t.
Melting range..... 171-174°C

Order code	Package	Units/Box st.
162837.1608	100 g	6
162837.1609	250 g	6
162837.0914	5 kg	PP

2,4-Dinitrotoluene, 96% PS

$C_7H_6N_2O_4$

M: 182,14 CAS: 121-14-2 EINECS: 204-450-0 NC: 2904 20 00 UN: 3454
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T N **R: 45-E23/24/25-E48/22-62-E68-51/53 S: 53-45-61**
CE: 609-007-00-9
SPECIFICATIONS:
Minimum assay (G.C.) ..... 96 %
Identity ..... IR p/t.
Melting range ..... 67-68°C

Order code	Package	Units/Box st.
15A621.1608	100 g	6
15A621.1611	1000 g	6

Di-Octyl Phthalate

(see Bis (2-Ethylhexyl) Phthalate)

1,4-Dioxan stabilized with ~2 ppm of BHT (UV-IR-HPLC) PAI

$C_4H_8O_2$

M: 88,11 CAS: 123-91-1 EINECS: 204-661-8 NC: 2932 11 00 UN: 1165
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn **R: 11-19-36/37-40-66 S: 9-16-36/37-46 CE: 603-024-00-5**
1l~1,033kg 1kg~0,968l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Density at 20/4 1,032-1,034
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0003 %
Peroxides (as H_2O_2) ..... 0,005 %*
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,02 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	215 (Cut off)	225	240	260	268	283	300-450
A (AU)	1,000	0,398	0,301	0,155	0,097	0,046	0,009
T (%)	10	40	50	70	80	90	98

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 4,8
Eluotropic value E°(Al_2O_3) 0,56
Sol. H_2O in solv. at 20°C ..... miscible
For critical jobs, purge with nitrogen.
*At the moment of the batch analysis

Order code	Package	Units/Box st.
361296.1611	1000 ml	6

VINIKIT

Análisis de vinos
Wine analysis
Analyse des vins

1,4-Dioxan dry (max. 0,01% water) stabilized with ~25 ppm of BHT DS-ACS-ISO

$C_4H_8O_2$

M: 88,11 CAS: 123-91-1 EINECS: 204-661-8 NC: 2932 11 00 UN: 1165
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn **R: 11-19-36/37-40-66 S: 9-16-36/37-46 CE: 603-024-00-5**
1l~1,033kg 1kg~0,968l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 1,032-1,034
Freezing point ..... ≥11,0°C
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,005 %
Peroxides (as H_2O_2) ..... 0,005 %*
Acetal (G.C.) ..... 0,05 %
Acetaldehyde (G.C.) ..... 0,005 %
Acidity ..... 0,0016 meq/g
Carbonyl (as HCHO) ..... 0,01 %
Water (H_2O) ..... 0,01 %
Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

*At the moment of the batch analysis

Order code	Package	Units/Box st.
481296.1611	1000 ml	6

1,4-Dioxan stabilized with ~25 ppm of BHT (Reag. Ph. Eur.) PA-ACS-ISO

$C_4H_8O_2$

M: 88,11 CAS: 123-91-1 EINECS: 204-661-8 NC: 2932 11 00 UN: 1165
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn **R: 11-19-36/37-40-66 S: 9-16-36/37-46 CE: 603-024-00-5**
1l~1,033kg 1kg~0,968l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 1,032-1,034
Freezing point ..... ≥11,0°C
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,005 %
Peroxides (as H_2O_2) ..... 0,005 %*
Acetal (G.C.) ..... 0,05 %
Acetaldehyde (G.C.) ..... 0,005 %
Acidity ..... 0,0016 meq/g
Carbonyl (as HCHO) ..... 0,01 %
Water (H_2O) ..... 0,05 %
Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

*At the moment of the batch analysis

Order code	Package	Units/Box st.
131296.1611	1000 ml	6
131296.1612	2,5 l	4
131296.0314	5 l	4
131296.0616	25 l	

1,4-Dioxan stabilized with ~25 ppm of BHT PRS

$C_4H_8O_2$

M: 88,11 CAS: 123-91-1 EINECS: 204-661-8 NC: 2932 11 00 UN: 1165
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn **R: 11-19-36/37-40-66 S: 9-16-36/37-46 CE: 603-024-00-5**

1l~1,033kg 1kg~0,968l

SPECIFICATIONS:

Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,032-1,034
Non-volatile matter ..... 0,01 %
Acetal (G.C.) ..... 0,1 %
Acetaldehyde (G.C.) ..... 0,01 %
Acidity ..... 0,003 meq/g
Carbonyl (as HCHO) ..... 0,1 %
Peroxides (as H_2O_2) ..... 0,01 %*
Water (H_2O) ..... 0,3 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

*At the moment of the batch analysis

Order code	Package	Units/Box st.
141296.1611	1000 ml	6
141296.1612	2,5 l	4
141296.0314	5 l	4

1,4-Dioxan, 99,5% stabilized with ~25 ppm of BHT PS

$C_4H_8O_2$

M: 88,11 CAS: 123-91-1 EINECS: 204-661-8 NC: 2932 11 00 UN: 1165
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn **R: 11-19-36/37-40-66 S: 9-16-36/37-46 CE: 603-024-00-5**

1l~1,033kg 1kg~0,968l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 1,032-1,034
Non-volatile matter ..... 0,005 %
Peroxides (as H_2O_2) ..... 0,005 %*
Water (H_2O) ..... 0,1 %

*At the moment of the batch analysis

Order code	Package	Units/Box st.
161296.1611	1000 ml	6
161296.1612	2,5 l	4
161296.0314	5 l	4
161296.0616	25 l	
161296.0619	200 l	

9,10-Dioxoanthracene

(see Anthraquinone)

1,3-Dioxolane, 99% stabilized with ~50 ppm BHT and ~100 ppm triethylamine PS

$C_3H_6O_2$

M: 74,08 CAS: 646-06-0 EINECS: 211-463-5 NC: 2932 11 00 UN: 1166
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F **R: 11 S: 16 CE: 605-017-00-2**

1l~1,066kg 1kg~0,938l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,064-1,067
Water (H_2O) ..... 0,4 %

Order code	Package	Units/Box st.
15A595.1610	500 ml	6
15A595.1612	2,5 l	4
15A595.1616	25 l	

2,2'-Dioxydiethylamine

(see Diethanolamine)

1,2-Dioxyethane

(see Ethylene Glycol)

DIPEA

(see N-Ethyl Di-Isopropylamine)

Diphenyl

(see Biphenyl)

Diphenylamine (Reag. Ph. Eur.) PA-ACS

$(C_6H_5)_2NH$

M: 169,22 CAS: 122-39-4 EINECS: 204-539-4 NC: 2921 44 00 UN: 2811
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T N **R: 23/24/25-33-50/53 S: 28a-36/37-45-60-61**

CE: 612-026-00-5

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Melting range ..... 52,5-54,0°C

MAXIMUM LIMIT OF IMPURITIES

Solubility in C_2H_5OH ..... p/t.
Residue on ignition (as SO_4) ..... 0,03 %
Aniline (G.C.) ..... 0,1 %
Nitrate (NO_3) ..... p/t.
Sensitivity to NO_3 ..... p/t.
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
131828.1608	100 g	6

Diphenylamine PA

$(C_6H_5)_2NH$

M: 169,22 CAS: 122-39-4 EINECS: 204-539-4 NC: 2921 44 00 UN: 2811
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T N **R: 23/24/25-33-50/53 S: 28a-36/37-45-60-61**

CE: 612-026-00-5

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 52-55°C

MAXIMUM LIMIT OF IMPURITIES

Solubility in C_2H_5OH ..... p/t.
Residue on ignition (as SO_4) ..... 0,05 %
Aniline (G.C.) ..... 0,1 %
Nitrate (NO_3) ..... p/t.
Sensitivity to NO_3 ..... p/t.
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
121828.1608	100 g	6
121828.1609	250 g	6

Diphenylamine, 98% PS

$(C_6H_5)_2NH$

M: 169,22 CAS: 122-39-4 EINECS: 204-539-4 NC: 2921 44 00 UN: 2811
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T N **R: 23/24/25-33-50/53 S: 28a-36/37-45-60-61**

CE: 612-026-00-5

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 53-55°C

Order code	Package	Units/Box st.
161828.1609	250 g	6
161828.1610	500 g	6

1,5-Diphenylcarbazide (symmetrical) (Reag. Ph. Eur.) PA-ACS

$C_{13}H_{14}N_4O$

M: 242,28 CAS: 140-22-7 EINECS: 205-403-7 NC: 2928 00 90

SPECIFICATIONS:

Minimum assay (HPLC) ..... 98,0 %
Identity ..... IR p/t.
Melting range ..... 173-176°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in CH_3COCH_3 ..... p/t.
Residue on ignition (as SO_4) ..... 0,05 %
Sensitivity to chromate ..... p/t.

Order code	Package	Units/Box st.
133577.1606	25 g	6
133577.1608	100 g	6

1,5-Diphenylcarbazide PA

redox indicator
$C_{13}H_{14}N_4O$
M: 242,28 CAS: 140-22-7 EINECS: 205-403-7 NC: 2928 00 90
SPECIFICATIONS:
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble in CH_3COCH_3 ..... p/t.
Residue on ignition (as SO_4) ..... 0,1 %

Order code	Package	Units/Box st.
123577.1606	25 g	6
123577.1608	100 g	6

1,5-Diphenylcarbazone (contains diphenylcarbazide) (Reag. Ph. Eur.) PA-ACS

Hg reagent
$C_{13}H_{12}N_4O$
M: 240,27 CAS: 538-62-5 EINECS: 208-698-0 NC: 2928 00 90
SPECIFICATIONS:
Identity ..... IR p/t.
Melting range ..... 152-157°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in acetone ..... p/t.
Residue on ignition (as SO_4) ..... 0,05 %
Sensitivity to Hg ..... p/t.
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
132228.1604	5 g	6
132228.1606	25 g	6

(R, R)- 2-(2,2-Diphenyl-[1,3]-Dioxolan-4-yl)-Piperidine

(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

(S, S)- 2-(2,2-Diphenyl-[1,3]-Dioxolan-4-yl)-Piperidine

(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

Diphenylenemethane

(see Fluorene)

Diphenylethanedione

(see Benzil)

Diphenylglycolic Acid

(see Benzilic Acid)

Diphenylketone

(see Benzophenone)

4,7-Diphenyl-1,10-Phenanthroline

(see Bathophenanthroline)

1,5-Diphenylthiocarbazone

(see Dithizone)

1,3-Diphenylthiourea PA

$(C_6H_5NH)_2CS$
M: 228,32 CAS: 102-08-9 EINECS: 203-004-2 NC: 2930 90 85 UN: 2811
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T
R: 25 S: 45
SPECIFICATIONS:
Minimum assay (HPLC) ..... 98,0 %
Identity ..... IR p/t.
Melting range ..... 150-154°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in C_2H_5OH ..... p/t.
Loss on drying at 105°C ..... 1 %
Residue on ignition (as SO_4) ..... 0,25 %

Order code	Package	Units/Box st.
121741.1209	250 g	6

1,3-Diphenylthiourea, 98% PS

$(C_6H_5NH)_2CS$
M: 228,32 CAS: 102-08-9 EINECS: 203-004-2 NC: 2930 90 85 UN: 2811
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T
R: 25 S: 45
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
151741.1208	100 g	6
151741.1210	500 g	6

Diphosphorus Pentoxide

(see di-Phosphorus penta-Oxide)

Dipicolinic Acid

(see Pyridine 2,6-Dicarboxylic Acid)

N,N'-Di-iso-Propylcarbodiimide

(see N,N'-Diisopropylcarbodiimide)

Dipropylene Glycol, 98% isomers mixture PS

$C_6H_{14}O_3$
M: 134,17 CAS: 110-98-5 EINECS: 203-821-4 NC: 2909 49 18
1l~1,024kg 1kg~0,977l
SPECIFICATIONS:
Minimum assay (G.C.), isomers mixture ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,022-1,025

Order code	Package	Units/Box st.
15A778.1211	1000 ml	6
15A778.1214	5 l	4
15A778.0716	25 l	

2,2'-Dipyridine

(see 2,2'-Bipyridine)

α-α'-Dipyridyl

(see 2,2'-Bipyridine)

Direct Blue 53

(see Evans Blue)

Direct Red 28

(see Congo Red)

Direct Yellow 9

(see Titan Yellow)

Disulphine Blue (C.I. 42045) PA

indicator in analysis of surfactants
$C_{27}H_{31}N_2O_6S_2Na$
M: 566,67 CAS: 129-17-9 EINECS: 204-934-1 NC: 3204 12 00
SPECIFICATIONS:
Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 637-639 nm
A 1%, 1 cm, λmax ..... >750
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 1 %
Loss on drying at 110°C ..... 7 %
Suitability as indicator for surfactants ..... p/t.

Order code	Package	Units/Box st.
123376.1605	10 g	6
123376.1606	25 g	6

Dithiooxamide

(see Rubeanic Acid)

Dithizone (Reag. Ph. Eur.) PA-ACS

reagent of metals and for complexometry
$C_{13}H_{12}N_4S$
M: 256,33 CAS: 60-10-6 EINECS: 200-454-1 NC: 2930 90 85
SPECIFICATIONS:
Minimum assay (spectrophotometric) ..... 85,0 %
Identity ..... IR p/t.
Ratio of absorbances ..... ≥1,55
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in Cl_3CH ..... p/t.
Residue on ignition (as SO_4) ..... 0,3 %
Heavy metals (as Pb) ..... 0,002 %
Sensitivity to Pb ..... p/t.

Order code	Package	Units/Box st.
131791.1604	5 g	6
131791.1606	25 g	6

DMAC
(see N,N-Dimethylacetamide)

DMAP
(see 4-(Dimethylamino) Pyridine)

DMF
(see N,N-Dimethylformamide)

DMF-DMA
(see N,N-Dimethylformamide-Dimethylacetal)

DMI
(see 1,3-Dimethyl-2-Imidazolidinone)

DMSO
(see Dimethyl Sulphoxide)

DNCB
(see 1-Chloro-2,4-Dinitrobenzene)

DNPH
(see 2,4-Dinitrophenylhydrazine)

Dodecanoic Acid
(see Lauric Acid)

Dodecanoic Acid Methyl Ester
(see Methyl Laurate)

1-Dodecanol (Reag. USP) PA-ACS
$C_{12}H_{26}O$
M: 186,34 CAS: 112-53-8 EINECS: 203-982-0 NC: 2905 17 00
HAZARDOUS:
Xi
R: 38 S: 24
1l~0,833kg 1kg~1,200l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98,0 %
Identity ..... IR p/t.
Freezing point ..... >23°C
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
131877.1610	500 ml	6

1-Dodecanol (F.C.C.) ADITIO
$C_{12}H_{26}O$
M: 186,34 CAS: 112-53-8 EINECS: 203-982-0 NC: 2905 17 00
HAZARDOUS:
Xi
R: 38 S: 24
1l~0,833kg 1kg~1,200l
SPECIFICATIONS:
Assay (G.C.), not less than ..... 97,0 %
IR ..... p/t.
Insoluble matter in ethanol 70% ..... p/t.
Refractive index 1,440-1,444
Specific weight 0,830-0,836
Acidity value, not more than 1,0
Solidification point, not less than ..... 21°C
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201877.1214	5 l	4

1-Dodecanol, 98% PS
$C_{12}H_{26}O$
M: 186,34 CAS: 112-53-8 EINECS: 203-982-0 NC: 2905 17 00
HAZARDOUS:
Xi
R: 38 S: 24
1l~0,833kg 1kg~1,200l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
161877.1609	250 ml	6
161877.1611	1000 ml	6
161877.1214	5 l	4

Dodecyl Alcohol
(see 1-Dodecanol)

Dodecyl Sulphate Sodium Salt
(see Sodium Dodecyl Sulphate)

DOP
(see Bis (2-Ethylhexyl) Phthalate)

Dowex ® HCR-S-H
(see Ion Exchange Resin)

Dowex ® HGR NG(H)
(see Cation Exchange Resin)

Dowex ® Marathon C-H
(see Ion Exchange Resin)

DPX, mounting medium fast (toluene base) DC
for microscopy, mounting medium
NC: 3822 00 00 UN: 1992
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn
R: 10-20/21-36/37/38 S: 16-25-33-45
1l~0,945kg 1kg~1,058l
SPECIFICATIONS:
Refractive index n^{20}/D 1,515-1,525

Order code	Package	Units/Box st.
255254.1608	100 ml	6
255254.1610	500 ml	6

DPX, mounting medium slow DC
for microscopy, mounting medium
NC: 3822 00 00 UN: 1992
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn
R: 10-20/21-36/37/38 S: 16-25-33-45
1l~0,940kg 1kg~1,064l
SPECIFICATIONS:
Refractive index n^{20}/D 1,510-1,520

Order code	Package	Units/Box st.
256155.1608	100 ml	6
256155.1610	500 ml	6

DTPA
(see Diethylentriaminepentaacetic Acid)

DYSPROSIUM SOLUTIONS
(see Standards for ICP)

Edetic Acid
(see Ethylenediaminetetraacetic Acid)

EDTA
(see Ethylenediaminetetraacetic Acid and their salts)

Electrode-Reactivating Solution RV
for electrode cleaning and reactivation
NC: 3822 00 00 UN: 3264
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
C
R: 26/27/28-35 S: 7/9-26-36/37-45
1l~1,027kg 1kg~0,974l
Composition:
Hydrochloric Acid 35% ..... 12,1 ml
Hydrofluoric Acid 48% ..... 3,6 ml
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
285253.1209	250 ml	6

Eluent for Malo-Lactic Kit VINIKIT
NC: 3822 00 00 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F
R: 11 S: 7-16
1l~0,863kg 1kg~1,159l
SPECIFICATIONS:
Density at 25/4 0,86

Order code	Package	Units/Box st.
625108.1208	100 ml	6

Emerald Green
(see Brilliant Green)

Empiric Liquor titrated RV
for determination of oil and fat acidity. 1 ml corresponds to 0,1 g of oleic acid
NC: 3822 00 00 UN: 1719
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:
Xi
R: 36/38 S: 26
1l~1,017kg 1kg~0,983l
Composition:
Sodium Hydroxide 50% w/w ..... 1,95 ml
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
281385.1211	1000 ml	6

Emulsion (prepared for Microbiology)
(see chapter CULTIMED products)

Enanthic Acid
(see Heptanoic Acid)

Enanthic Acid Chloride
(see Heptanoyl Chloride)

Enanthoyl Chloride
(see Heptanoyl Chloride)

Enheptin
(see 2-Amino-5-Nitrothiazole)

Eosin B
(see Eosin Bluish)

Eosin Bluish (C.I. 45400) DC
for microscopy, vital staining and plasma staining
$C_{20}H_8Br_2N_2Na_2O_9$
M: 624,09 CAS: 548-24-3 EINECS: 208-943-1 NC: 3204 12 00
SPECIFICATIONS:
Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 516-520 nm
A 1%; 1cm; λmax ..... >750
Ratio λmax. P±15 nm 0,96-1,22
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C ..... 15 %

Order code	Package	Units/Box st.
252782.1606	25 g	6
252782.1608	100 g	6

Eosin for fast staining (Panoptic No. 2) DC
blood smear staining or medullary smear staining
NC: 3822 00 00
1l~1,006kg 1kg~0,994l
Composition:
Eosin Yellowish ..... 0,8 g
Buffer solution pH 7 s.q.m. ..... 1000 ml

Order code	Package	Units/Box st.
253999.1210	500 ml	6
253999.1212	2,5 l	4

Eosin G
(see Eosin Yellowish)

Eosin-Methylene Blue dye according to Leishman DC
for hematology, blood smear staining
NC: 3204 19 00
SPECIFICATIONS:
λ_1 of max. ABS in CH_3OH ..... 525-527 nm
λ_2 of max. ABS in CH_3OH ..... 645-650 nm
A 1%, 1 cm, λ_1 max ..... > 500
A 1%, 1 cm, λ_2 max ..... >1000
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C ..... 15 %

Order code	Package	Units/Box st.
251377.1606	25 g	6

Eosin-Methylene Blue solution according to Leishman DC
for hematology, blood smear staining
NC: 3204 19 00 UN: 1992
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F T
R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45
1l~0,794kg 1kg~1,259l
Composition:
Eosin-Methylene Blue dye according to Leishman ..... 0,25 g
Methanol s.q.m. ..... 100 ml

Order code	Package	Units/Box st.
251378.1610	500 ml	6
251378.1611	1000 ml	6

Eosin-Methylene Blue dye according to May Grünwald DC
for hematology, blood smear staining
NC: 3204 19 00
SPECIFICATIONS:
λ_1 of max. ABS in CH_3OH ..... 522-525 nm
λ_2 of max. ABS in CH_3OH ..... 651-654 nm
A 1%, 1 cm, λ_1 max. ..... >550
A 1%, 1 cm, λ_2 max. ..... >1100
T.L.C. ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C 10%

Order code	Package	Units/Box st.
251415.1606	25 g	6
251415.1608	100 g	6

Eosin-Methylene Blue solution according to May Grünwald DC
for hematology, blood smear staining
NC: 3204 19 00 UN: 1992
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F T
R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45
1l~0,791kg 1kg~1,264l
Composition:
Eosin-Methylene Blue dye according to May Grünwald ..... 0,25 g
Methanol s.q.m. ..... 100 ml

Order code	Package	Units/Box st.
251416.1608	100 ml	6
251416.1610	500 ml	6
251416.1611	1000 ml	6
251416.1612	2,5 l	4

Eosin-Methylene Blue dye according to Wright DC
for hematology, blood smear staining
NC: 3204 19 00
SPECIFICATIONS:
λ_1 of max. ABS in CH_3OH ..... 523-525 nm
λ_2 of max. ABS in CH_3OH ..... 645-650 nm
A 1%; 1 cm; λ_1 max ..... >500
A 1%; 1 cm; λ_2 max ..... >1000
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C ..... 15 %

Order code	Package	Units/Box st.
251767.1606	25 g	6
251767.1608	100 g	6

Eosin-Methylene Blue solution according to Wright DC
for hematology, blood smear staining
NC: 3204 19 00 UN: 1992
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F T
R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45
1l~0,788kg 1kg~1,269l
Composition:
Eosin-Methylene Blue dye acc. to Wright. ..... 0,25 g
Methanol s.q.m. ..... 100 ml

Order code	Package	Units/Box st.
251768.1608	100 ml	6
251768.1610	500 ml	6
251768.1611	1000 ml	6

Eosin Scarlett
(see Eosin Bluish)

Eosin Y
(see Eosin Yellowish)

Eosin Yellowish (C.I. 45380) PA-ACS
adsorption indicator
$C_{20}H_6Br_4Na_2O_5$
M: 691,86 CAS: 17372-87-1 EINECS: 241-409-6 NC: 3204 12 00
SPECIFICATIONS:
Identity ..... IR p/t.
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... p/t.
Suitability as an adsorption indicator ..... p/t.
Loss on drying at 110°C ..... 8 %
Cu ..... 0,005 %
Fe ..... 0,005 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
131299.1606	25 g	6
131299.1608	100 g	6

Eosin Yellowish (C.I. 45380) DC
for microscopy, vital staining and plasma staining
$C_{20}H_6Br_4Na_2O_5$
M: 691,86 CAS: 17372-87-1 EINECS: 241-409-6 NC: 3204 12 00
SPECIFICATIONS:
Identity ..... IR p/t.
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C ..... 8 %

Order code	Package	Units/Box st.
251299.1606	25 g	6
251299.1608	100 g	6

Eosin Yellowish hydroalcoholic solution 1% DC
for microscopy, plasma staining
NC: 3204 12 00
1l~0,997kg 1kg~1,003l
Composition:
Eosin Yellowish ..... 1 g
Ethanol absolute ..... 10 ml
Water ..... 90 ml

Order code	Package	Units/Box st.
251301.1608	100 ml	6
251301.1609	250 ml	6
251301.1611	1000 ml	6

Epichlorohydrin, 98% PS
C_3H_5ClO
M: 92,52 CAS: 106-89-8 EINECS: 203-439-8 NC: 2910 30 00 UN: 2023
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:
T
R: 10-23/24/25-34-43-45 S: 45-53 CE: 603-026-00-6
1l~1,183kg 1kg~0,845l
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A036.1606	25 ml	6
15A036.1611	1000 ml	6
15A036.1612	2,5 l	4

EPPS
(see 3-[4(2-Hydroxyethyl)-1-Piperazinyl] Propanesulphonic Acid)

ERBIUM SOLUTIONS
(see Standards for ICP)

Eriochrome Black T (C.I. 14645) PA-ACS
for complexometry
$C_{20}H_{12}N_3NaO_7S$
M: 461,38 CAS: 1787-61-7 EINECS: 217-250-3 NC: 3204 16 00
SPECIFICATIONS:
Identity ..... IR p/t.
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... p/t.
Sensitivity as complexometric indicator ..... p/t.

Order code	Package	Units/Box st.
131439.1606	25 g	6
131439.1608	100 g	6

Eriochrome Black T solution 1% RV
for complexometry
$C_{20}H_{12}N_3NaO_7S$
M: 461,38 NC: 3822 00 00
1l~1,050kg 1kg~0,952l
Composition:
Eriochrome Black T ..... 1 g
Triethanolamine ..... 75 ml
Ethanol absolute ..... 25 ml

Order code	Package	Units/Box st.
281440.1208	100 ml	6

Eriochrome Blue Black R
(see Calcon)

Eriochromecyanine R (C.I. 43820) PA
indicator for complexometry
$C_{23}H_{15}Na_3O_9S$
M: 536,40 CAS: 3564-18-9 EINECS: 222-641-7 NC: 3204 16 00
SPECIFICATIONS:
Identity ..... IR p/t.
λ of max. ABS at pH 7 ..... 435-439 nm
A 1%, 1 cm, λmax. (a.d.s.) ..... >110
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C ..... 10 %

Order code	Package	Units/Box st.
124253.1606	25 g	6

D(-)-Erythrose 70% PB
$C_4H_8O_4$
M: 120,11 CAS: 583-50-6 EINECS: 209-505-2 NC: 1702 90 99
SPECIFICATIONS:
Minimum assay ..... 70 %
Identity ..... IR p/t.
Appearance ..... p/t.
Specific rotation $[\alpha]^{20}/D$ c=2 (in H_2O) ..... -37 to -32°

Order code	Package	Units/Box st.
375786.1603	1 g	6

Erythrosin B (C.I. 45430) DC
for microscopy
$C_{20}H_6I_4Na_2O_5$
M: 879,92 CAS: 16423-68-0 EINECS: 240-474-8 NC: 3204 12 00
HAZARDOUS:
Xn
R: 22
SPECIFICATIONS:
Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 524-527 nm
A 1%; 1 cm; λmax ..... >850
Ratio λmax., P± 15 nm 1,15-1,55
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C ..... 10 %

Order code	Package	Units/Box st.
253982.1606	25 g	6

Esbach's Reagent DC
for determination of albumin
NC: 3822 00 00
HAZARDOUS:
Xn
R: 20/21/22 S: 36
1l~0,987kg 1kg~1,013l
Composition:
Picric Acid ..... 1 g
Citric Acid 1-hydrate ..... 2 g
Ethanol absolute ..... 20 ml
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
251560.1610	500 ml	6

Estragole
(see 4-Allylanisole)

Ethanal
(see Acetaldehyde)

1,2-Ethanediamine
(see Ethylenediamine)

1,2-Ethanediol
(see Ethylene Glycol)

Ethanedioyl Dichloride
(see Oxalyl Chloride)

Ethanenitrile
(see Acetonitrile)

Ethanethioamide
(see Thioacetamide)

Ethanodial
(see Glyoxal)

Ethanol absolute (HPLC-gradient grade) PAI
CH_3CH_2OH

M: 46,07 CAS: 64-17-5 EINECS: 200-578-6 NC: 2207 10 00 UN: 1170
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F
R: 11 S: 7-16 CE: 603-002-00-5
1l~0,790kg 1kg~1,266l
SPECIFICATIONS:
Minimum assay (G.C.) v/v ..... 99,9 %
Density at 20/4 0,789-0,790
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0002 %
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,1 %
Gradient:

λ (nm)	235	254
A (mAU)	5	2

UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	205 (Cut off)	210	225	240	260-400
A (AU)	1,000	0,456	0,222	0,071	0,009
T (%)	10	35	60	85	98

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 4,3
Eluotropic value E°(Al_2O_3) 0,88
Sol. H_2O in solv. at 20°C ..... miscible
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
221086.1611	1000 ml	6
221086.1612	2,5 l	4
221086.1616	25 l	

Ethanol absolute (UV-IR-HPLC) PAI
CH_3CH_2OH

M: 46,07 CAS: 64-17-5 EINECS: 200-578-6 NC: 2207 10 00 UN: 1170
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F
R: 11 S: 7-16 CE: 603-002-00-5
1l~0,790kg 1kg~1,266l
SPECIFICATIONS:
Minimum assay (G.C.) v/v ..... 99,9 %
Density at 20/4 0,789-0,790
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0003 %
Acidity ..... 0,0005 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,1 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	205 (Cut off)	210	220	235	245	270-400
A (AU)	1,000	0,456	0,260	0,097	0,046	0,009
T (%)	10	35	55	80	90	98

Fluorescence (as quinine):

λ (nm)	254	365
ppb	2	1

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 4,3
Eluotropic value E°(Al_2O_3) 0,88
Sol. H_2O in solv. at 20°C ..... miscible
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361086.1611	1000 ml	6
361086.1612	2,5 l	4
361086.1646	4 l	4

(*) Sol-Pack pack with tap

Ethanol absolute dry (max. 0,02% water) DS
CH_3CH_2OH

M: 46,07 CAS: 64-17-5 EINECS: 200-578-6 NC: 2207 10 00 UN: 1170
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F
R: 11 S: 7-16 CE: 603-002-00-5
1l~0,790kg 1kg~1,266l
SPECIFICATIONS:
Minimum assay (G.C.) v/v ..... 99,8 %
Identity ..... IR p/t.
Density at 20/4 0,789-0,790
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,0005 %
Acetone (G.C.) ..... 0,001 %
2-Butanol (G.C.) ..... 0,02 %
Butanone (G.C.) ..... 0,003 %
Methanol (G.C.) ..... 0,02 %
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,0005 meq/g
Alkalinity ..... 0,0002 meq/g
Carbonyl compounds (as CH_3CHO) ..... 0,005 %
Water (H_2O) ..... 0,02 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,00001 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

Order code	Package	Units/Box st.
481086.1611	1000 ml	6

Ethanol absolute PA-ACS-ISO
CH_3CH_2OH

M: 46,07 CAS: 64-17-5 EINECS: 200-578-6 NC: 2207 10 00 UN: 1170
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F
R: 11 S: 7-16 CE: 603-002-00-5
1l~0,790kg 1kg~1,266l
SPECIFICATIONS:
Minimum assay (G.C.) v/v ..... 99,8 %
Identity ..... IR p/t.
Density at 20/20 0,790-0,793
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,0005 %
Acetone (G.C.) ..... 0,001 %
Higher Alcohols (G.C.) ..... 0,01 %
2-Butanol (G.C.) ..... 0,02 %
Butanone (G.C.) ..... 0,003 %
Methanol (G.C.) ..... 0,02 %
2-Propanol (G.C.) ..... 0,003 %
Reducing substances to $KMnO_4$ ..... p/t.
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,00035 meq/g
Alkalinity ..... 0,0002 meq/g
Carbonyl compounds (as CH_3CHO) ..... 0,005 %
Water (H_2O) ..... 0,2 %
Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,1	P	0,2		

Order code	Package	Units/Box st.
131086.1611	1000 ml	6
131086.1211	1000 ml	6
131086.1612	2,5 l	4
131086.1212	2,5 l	4
131086.1214	5 l	4
131086.1315	10 l	(*)
131086.0716	25 l	

Ethanol absolute PA

CH_3CH_2OH

M: 46,07 CAS: 64-17-5 EINECS: 200-578-6 NC: 2207 10 00 UN: 1170
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F **R: 11 S: 7-16 CE: 603-002-00-5**
1l~0,790kg 1kg~1,266l

SPECIFICATIONS:

Minimum assay (G.C.) v/v	99,5 %
Identity	IR p/t.
Density at 20/4	0,789-0,790

MAXIMUM LIMIT OF IMPURITIES

APHA colour	10
Insoluble matter in H_2O	p/t.
Non-volatile matter	0,0005 %
Acetone (G.C.)	0,001 %
2-Butanol (G.C.)	0,02 %
Butanone (G.C.)	0,003 %
Methanol (G.C.)	0,02 %
3-Methyl-1-Butanol (G.C.)	0,05 %
2-Propanol (G.C.)	0,02 %
Reducing substances to $KMnO_4$	p/t.
Darkened substances by H_2SO_4	p/t.
Acidity	0,0005 meq/g
Alkalinity	0,0002 meq/g
Fusel oil	p/t.
Carbonyl compounds (as CH_3CHO)	0,005 %
Water (H_2O)	0,2 %
Ca	0,00005 %
Cd	0,000005 %
Co	0,000002 %
Cr	0,000002 %
Cu	0,00001 %
Fe	0,00001 %
Mg	0,00001 %
Mn	0,000002 %
Ni	0,000002 %
Pb	0,00001 %
Zn	0,00001 %

Order code	Package	Units/Box st.
121086.1211	1000 ml	6
121086.1212	2,5 l	4
121086.1214	5 l	4
121086.1315	10 l	(*)
121086.0716	25 l	
121086.0718	60 l	
121086.0719	200 l	

Ethanol absolute PRS

CH_3CH_2OH

M: 46,07 CAS: 64-17-5 EINECS: 200-578-6 NC: 2207 10 00 UN: 1170
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F **R: 11 S: 7-16 CE: 603-002-00-5**
1l~0,790kg 1kg~1,266l

SPECIFICATIONS:

Assay (G.C.) v/v	99,5 %
Identity	IR p/t.
Density at 20/4	0,789-0,790
Insoluble matter in H_2O	p/t.
Non-volatile matter	0,005 %
Acetone (G.C.)	0,005 %
Methanol (G.C.)	0,05 %
2-Propanol (G.C.)	0,05 %
Acidity	0,002 meq/g
Alkalinity	0,001 meq/g
Carbonyl compounds (as CH_3CHO)	0,01 %
Water (H_2O)	0,5 %
Cu	0,00002 %
Fe	0,00005 %
Ni	0,00002 %
Pb	0,00002 %

Order code	Package	Units/Box st.
141086.1211	1000 ml	6
141086.1212	2,5 l	4
141086.1214	5 l	4
141086.1315	10 l	(*)
141086.0716	25 l	
141086.0718	60 l	

Ethanol absolute (USP, BP, Ph. Eur.) CODEX

CH_3CH_2OH

M: 46,07 CAS: 64-17-5 EINECS: 200-578-6 NC: 2207 10 00 UN: 1170
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F **R: 11 S: 7-16 CE: 603-002-00-5**
1l~0,790kg 1kg~1,266l

SPECIFICATIONS:

Minimum assay (G.C.) v/v	99,5 %
Identity according to Pharmacopoeias	p/t.
Density at 20/20	0,7907-0,7932

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution	p/t.
Colour of solution (USP)	p/t.
Clarity of solution	p/t.
Insoluble matter in H_2O	p/t.
Volatile impurities (G.C.)	p/t.
Non-volatile matter (w/v)	0,0025 %
Acetone, 2-Propanol and 2-Methyl-2-Propanol	p/t.
Absorbance	p/t.
Transmitance (UV) according to USP	p/t.
Benzene (UV)	0,0002 %
Butanone (G.C.)	0,02 %
Methanol (G.C.)	0,02 %
Reducing substances to $KMnO_4$	p/t.
1-Pentanol, non-vol. matter and darkened subst. by H_2SO_4	p/t.
Acidity and alkalinity	p/t.
Fusel oil	p/t.
Aldehydes (as CH_3CHO)	0,001 %
Water (H_2O)	0,5 %
Residual solvents (Ph.Eur./USP)	p/t.

Complies USP 29 specifications

Order code	Package	Units/Box st.
191086.1211	1000 ml	6
191086.1212	2,5 l	4
191086.1214	5 l	4
191086.1315	10 l	(*)
191086.0716	25 l	
191086.0718	60 l	

Ethanol absolute (F.C.C.) ADITIO

extraction solvent for industrial food use

CH_3CH_2OH

M: 46,07 CAS: 64-17-5 EINECS: 200-578-6 NC: 2207 10 00 UN: 1170
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F **R: 11 S: 7-16 CE: 603-002-00-5**
1l~0,790kg 1kg~1,266l

SPECIFICATIONS:

Assay (by volume) (equiv. to 99,3% w/w), not less than	99,5 %
Acidity (as CH_3COOH), not more than	0,003 %
Alkalinity (as NH_3), not more than	3 ppm
Fusel Oil	p/t.
Ketones, 2-Propanol	p/t.
Methanol	p/t.
Non-volatile residue, not more than	0,003 %
Solubility in water	p/t.
Substances darkened by H_2SO_4	p/t.
Substances reducing $KMnO_4$	p/t.
Arsenic, not more than	1 ppm
Lead, not more than	0,5 ppm

Specifications Dir. 88/344/CEE, F.C.C. 6

Order code	Package	Units/Box st.
201086.1214	5 l	4
201086.0716	25 l	

Ethanol absolute, 99,5% PS

CH_3CH_2OH

M: 46,07 CAS: 64-17-5 EINECS: 200-578-6 NC: 2207 10 00 UN: 1170
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F **R: 11 S: 7-16 CE: 603-002-00-5**
1l~0,790kg 1kg~1,266l

SPECIFICATIONS:

Minimum assay (G.C.) v/v	99,5 %
Identity	IR p/t.
Density at 20/4	0,789-0,790
Non-volatile matter	0,001 %
Water (H_2O)	0,2 %

Order code	Package	Units/Box st.
161086.1211	1000 ml	6
161086.1212	2,5 l	4
161086.1714	5 l	4
161086.1315	10 l	(*)
161086.0616	25 l	

(*) Sol-Pack pack with tap

Ethanol absolute DC

dehydrating solvent for pathological anatomy
CH_3CH_2OH
M: 46,07 CAS: 64-17-5 EINECS: 200-578-6 NC: 2207 10 00 UN: 1170
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

R: 11 S: 7-16 CE: 603-002-00-5
1l~0,790kg 1kg~1,266l
SPECIFICATIONS:
Assay (G.C.) v/v ..... 99,8 %
Identity ..... IR p/t.
Density at 20/4 0,789-0,790
MAXIMUM LIMIT OF IMPURITIES
Non-volatile matter ..... 0,0005 %
Water (H_2O) ..... 0,2 %
Filtered product (1 µm).

Order code	Package	Units/Box st.
251086.1211	1000 ml	6
251086.1212	2,5 l	4
251086.1214	5 l	4
251086.1315	10 l	(*)

Ethanol absolute partially denatured QP

contains 0,3% v/v of Diethyl Phthalate and 2 ppm of Bitrex
CH_3CH_2OH
M: 46,07 CAS: 64-17-5 EINECS: 200-578-6 NC: 2207 20 00 UN: 1170
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

R: 11 S: 7-16 CE: 603-002-00-5
1l~0,791kg 1kg~1,264l
SPECIFICATIONS:
Minimum assay (as vol. of CH_3CH_2OH) ..... 99,5 %
Density at 20/4 0,789-0,793
Diethyl Phthalate (as v/v) ..... 0,3 %
Alkalinity (as NH_3) ..... 0,002 %
Water (H_2O) ..... 0,5 %
DO NOT USE FOR ALIMENTARY PURPOSE

Order code	Package	Units/Box st.
212801.1211	1000 ml	6
212801.1214	5 l	4
212801.1315	10 l	(*)
212801.0716	25 l	
212801.0718	60 l	
212801.0719	200 l	

Ethanol 96% v/v (UV-IR-HPLC) PAI

CH_3CH_2OH
M: 46,07 CAS: 64-17-5 EINECS: 200-578-6 NC: 2207 10 00 UN: 1170
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

R: 11 S: 7-16 CE: 603-002-00-5
1l~0,805kg 1kg~1,242l
SPECIFICATIONS:
Minimum assay (v/v) ..... 96 %
Density at 20/4 0,804-0,807
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0005 %
Acidity ..... 0,0005 meq/g
Alkalinity ..... 0,0002 meq/g
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	207 (Cut off)	210	220	230	240	270-400
A (AU)	1,000	0,456	0,260	0,143	0,046	0,009
T (%)	10	35	55	72	90	98

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 4,3
Eluotropic value E°(Al_2O_3) 0,88
Sol.H_2O in solv. at 20°C ..... miscible
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361085.1611	1000 ml	6

(*) Sol-Pack pack with tap

Ethanol 96% v/v PA-ACS

CH_3CH_2OH
M: 46,07 CAS: 64-17-5 EINECS: 200-578-6 NC: 2207 10 00 UN: 1170
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

R: 11 S: 7-16 CE: 603-002-00-5
1l~0,805kg 1kg~1,242l
SPECIFICATIONS:
Minimum assay (v/v) ..... 96 %
Identity ..... IR p/t.
Density at 20/4 0,804-0,807
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,0005 %
Acetone (G.C.) ..... 0,001 %
2-Butanol (G.C.) ..... 0,02 %
Butanone (G.C.) ..... 0,003 %
Methanol (G.C.) ..... 0,02 %
2-Propanol (G.C.) ..... 0,003 %
Reducing substances to $KMnO_4$ ..... p/t.
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,0005 meq/g
Alkalinity ..... 0,0002 meq/g
Carbonyl compounds (as CH_3CHO) ..... 0,005 %
Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,1	P	0,2		

Order code	Package	Units/Box st.
131085.1611	1000 ml	6
131085.1211	1000 ml	6
131085.1612	2,5 l	4
131085.1212	2,5 l	4
131085.1214	5 l	4
131085.1315	10 l	(*)
131085.0716	25 l	

Ethanol 96% v/v PA

CH_3CH_2OH
M: 46,07 CAS: 64-17-5 EINECS: 200-578-6 NC: 2207 10 00 UN: 1170
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

R: 11 S: 7-16 CE: 603-002-00-5
1l~0,805kg 1kg~1,242l
SPECIFICATIONS:
Minimum assay (v/v) ..... 96 %
Identity ..... IR p/t.
Density at 20/20 0,805-0,812
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0005 %
Acetone (G.C.) ..... 0,001 %
2-Butanol (G.C.) ..... 0,02 %
Butanone (G.C.) ..... 0,003 %
Methanol (G.C.) ..... 0,02 %
3-Methyl-1-Butanol (G.C.) ..... 0,05 %
2-Propanol (G.C.) ..... 0,02 %
Reducing substances to $KMnO_4$ ..... p/t.
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,0005 meq/g
Alkalinity ..... 0,0002 meq/g
Fusel oil ..... p/t.
Carbonyl compounds (as CH_3CHO) ..... 0,005 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,00001 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

Order code	Package	Units/Box st.
121085.1211	1000 ml	6
121085.1212	2,5 l	4
121085.1214	5 l	4
121085.1315	10 l	(*)
121085.0716	25 l	
121085.0719	200 l	

Ethanol 96% v/v (USP, BP, Ph. Eur.) PRS-CODEX

CH_3CH_2OH

M: 46,07 CAS: 64-17-5 EINECS: 200-578-6 NC: 2207 10 00 UN: 1170

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F

R: 11 S: 7-16 CE: 603-002-00-5

1l~0,805kg 1kg~1,242l

SPECIFICATIONS:

Assay (G.C.) v/v ..... 96,0-96,6 %
Identity according to Pharmacopoeias ..... p/t.
Density at 20/20 0,8051-0,8124

MAXIMUM LIMIT OF IMPURITIES

Appearance ..... p/t.
Colour of solution (USP) ..... p/t.
Clarity of solution (USP) ..... p/t.
Insoluble matter in H_2O ..... p/t.
Volatile impurities (G.C.) ..... p/t.
Non-volatile matter (w/v) ..... 0,0025 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Acetone (G.C.) ..... 0,005 %
Acetone, 2-Propanol and 2-Methyl-2-Propanol ..... p/t.
Benzene (UV) ..... 0,0002 %
Butanone (G.C.) ..... 0,02 %
Methanol (G.C.) ..... 0,02 %
2-Propanol (G.C.) ..... 0,03 %
Reducing substances to $KMnO_4$ ..... p/t.
1-Pentanol, non-volatile subst. and carbonized subst. by H_2SO_4 ..... p/t.
Absorbance ..... p/t.
Acidity ..... 0,002 meq/g
Alkalinity ..... 0,001 meq/g
Acidity and alkalinity ..... p/t.
Fusel oil ..... p/t.
Aldehydes (as CH_3CHO) ..... 0,001 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141085.1211	1000 ml	6
141085.1212	2,5 l	4
141085.1214	5 l	4
141085.1315	10 l	(*)
141085.0716	25 l	
141085.0718	60 l	
141085.0719	200 l	

Ethanol 96% v/v (F.C.C.) ADITIO

extraction solvent for industrial food use

CH_3CH_2OH

M: 46,07 CAS: 64-17-5 EINECS: 200-578-6 NC: 2207 10 00 UN: 1170

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F

R: 11 S: 7-16 CE: 603-002-00-5

1l~0,805kg 1kg~1,242l

SPECIFICATIONS:

Assay (by volume) (equiv. to 92,3% w/w), not less than ..... 94,9 %
Acidity (as CH_3COOH), not more than ..... 0,003 %
Alkalinity (as NH_3), not more than ..... 3 ppm
Fusel Oil ..... p/t.
Ketones, 2-Propanol ..... p/t.
Methanol ..... p/t.
Non-volatile residue, not more than ..... 0,003 %
Solubility in water ..... p/t.
Substances darkened by H_2SO_4 ..... p/t.
Substances reducing $KMnO_4$ ..... p/t.
Arsenic, not more than ..... 1 ppm
Lead, not more than ..... 0,5 ppm
Specifications Dir. 88/344/CEE, F.C.C. 6

Order code	Package	Units/Box st.
201085.1214	5 l	4
201085.0716	25 l	

Ethanol 96% v/v DC

dehydrating solvent for pathological anatomy

CH_3CH_2OH

M: 46,07 CAS: 64-17-5 EINECS: 200-578-6 NC: 2207 10 00 UN: 1170

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F

R: 11 S: 7-16 CE: 603-002-00-5

1l~0,805kg 1kg~1,242l

SPECIFICATIONS:

Assay (G.C.) (v/v) ..... 96 %
Identity ..... IR p/t.
Density at 20/4 0,804-0,807

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter ..... 0,0005 %
Filtered product (1 µm).

Order code	Package	Units/Box st.
251085.1211	1000 ml	6
251085.1212	2,5 l	4
251085.1214	5 l	4
251085.1315	10 l	(*)

Ethanol 96% v/v partially denatured QP

contains 0,3% v/v of Diethyl Phthalate and 2 ppm of Bitrex

CH_3CH_2OH

M: 46,07 CAS: 64-17-5 EINECS: 200-578-6 NC: 2207 20 00 UN: 1170

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F

R: 11 S: 7-16 CE: 603-002-00-5

1l~0,811kg 1kg~1,233l

SPECIFICATIONS:

Minimum assay (as vol. of CH_3CH_2OH) ..... 96,0 %
Density at 20/4 0,809-0,813
Diethyl Phthalate (v/v) ..... 0,3 %
Alkalinity (as NH_3) ..... 0,002 %
DO NOT USE FOR ALIMENTARY PURPOSE

Order code	Package	Units/Box st.
212800.1211	1000 ml	6
212800.1214	5 l	4
212800.1315	10 l	(*)
212800.0716	25 l	
212800.0718	60 l	
212800.0719	200 l	

Ethanol 96% v/v totally denatured QP

contains 2% of Butanone, 2 ppm of Methylene Blue and 10 ppm of Bitrex

CH_3CH_2OH

M: 46,07 CAS: 64-17-5 EINECS: 200-578-6 NC: 2207 20 00 UN: 1170

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F

R: 11 S: 7-16 CE: 603-002-00-5

1l~0,811kg 1kg~1,233l

SPECIFICATIONS:

Minimum assay (as vol. of CH_3CH_2OH) ..... 96 %
Density at 20/4 0,809-0,813
Butanone (v/v) ..... 2 %
Methylene Blue ..... 2 ppm
Alkalinity (as NH_3) ..... 0,002 %
DO NOT USE FOR ALIMENTARY PURPOSE

Order code	Package	Units/Box st.
213973.1211	1000 ml	6
213973.1214	5 l	4

Panreac

Reactivos para análisis
Analytical reagents
Réactifs pour analyse

(*) Sol-Pack pack with tap

Ethanol 70% v/v (BP) CODEX

CH_3CH_2OH

M: 46,07 CAS: 64-17-5 EINECS: 200-578-6 NC: 2208 90 99 UN: 1170
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 305 CAO: 307
HAZARDOUS:

F **R: 11 S: 7-16 CE: 603-002-00-5**
1l~0,890kg 1kg~1,124l
SPECIFICATIONS:
Assay (v/v) ..... 69,5-70,4 %
Apparent density (BP) ..... 883,5-885,8 Kg m^{-3}
MAXIMUM LIMIT OF IMPURITIES
Appearance ..... p/t.
Non-volatile matter (w/v) ..... 0,0025 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Acidity or alkalinity ..... p/t.
Volatile impurities ..... p/t.
Microfiltered product (0,22 µm) .....
This product has been manufactured according to European Pharmacopoeia 6.0, with raw material (141085 Ethanol 96% v/v) which passes the CODEX (USP 29, BP, Ph. Eur.) Specifications.

Order code	Package	Units/Box st.
192695.1211	1000 ml	6
192695.1212	2,5 l	4
192695.1214	5 l	4
192695.1315	10 l	(*)
192695.0716	25 l	

Ethanol 70% v/v ADITIO

extraction solvent for industrial food use
CH_3CH_2OH

M: 46,07 CAS: 64-17-5 EINECS: 200-578-6 NC: 2208 90 99 UN: 1170
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 305 CAO: 307
HAZARDOUS:

F **R: 11 S: 7-16 CE: 603-002-00-5**
1l~0,890kg 1kg~1,124l
SPECIFICATIONS:
Assay (by volume) (equiv. to 62,5% w/w), not less than ..... 70 %
Acidity (as CH_3COOH), not more than ..... 0,003 %
Alkalinity (as NH_3), not more than ..... 3 ppm
Fusel Oil ..... p/t.
Ketones, 2-Propanol ..... p/t.
Methanol ..... p/t.
Non-volatile residue, not more than ..... 0,003 %
Solubility in water ..... p/t.
Substances darkened by H_2SO_4 ..... p/t.
Substances reducing $KMnO_4$ ..... p/t.
Arsenic, not more than ..... 1 ppm
Lead, not more than ..... 0,5 ppm
Specifications Dir. 88/344/CEE

Order code	Package	Units/Box st.
202695.1214	5 l	4
202695.0716	25 l	

mono-Ethanolamine

(see Ethanolamine)

Ethanolamine PA-ACS

$NH_2CH_2CH_2OH$

M: 61,08 CAS: 141-43-5 EINECS: 205-483-3 NC: 2922 11 00 UN: 2491
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:

C **R: 20/21/22-34 S: 26-36/37/39-45 CE: 603-030-00-8**
1l~1,015kg 1kg~0,985l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 20/4 1,016-1,020
MAXIMUM LIMIT OF IMPURITIES
APHA colour 15
Non-volatile matter ..... 0,2 %
Ethanol (G.C.) ..... 0,1 %
Diethanolamine (G.C.) ..... 0,3 %
Triethanolamine (G.C.) ..... 0,1 %
Water (H_2O) ..... 0,30 %
Heavy metals (as Pb) ..... 0,0005 %
Metals by ICP [mg/Kg (ppm)]

Ca	0,5	Cu	0,1	Ni	0,02
Cd	0,05	Fe	5	Pb	0,1
Co	0,02	Mg	5	Zn	0,1
Cr	0,02	Mn	0,05		

Order code	Package	Units/Box st.
131924.1611	1000 ml	6
131924.1214	5 l	4
131924.0716	25 l	

Ethanolamine, 99% PS

$NH_2CH_2CH_2OH$

M: 61,08 CAS: 141-43-5 EINECS: 205-483-3 NC: 2922 11 00 UN: 2491
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:

C **R: 20/21/22-34 S: 26-36/37/39-45 CE: 603-030-00-8**
1l~1,015kg 1kg~0,985l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,016-1,019
Water (H_2O) ..... 0,3 %

Order code	Package	Units/Box st.
161924.1211	1000 ml	6
161924.1214	5 l	4
161924.0716	25 l	

Ethanol-Diethyl Ether 1:1 DC

for microscopy, fixing

NC: 3822 00 00 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F+ Xn **R: 12-19-22-66-67 S: 9-16-29-33**
1l~0,774kg 1kg~1,292l
Composition:
Ethanol ..... 500 ml
Diethyl Ether ..... 500 ml

Order code	Package	Units/Box st.
251084.1610	500 ml	6

2-Ethoxyethanol

(see Ethylene Glycol mono-Ethyl Ether)

2-(2-Ethoxyethoxy) Ethanol

(see Diethylene Glycol mono-Ethyl Ether)

2-Ethoxy-2-Phenylacetophenone

(see Benzoin Ethyl Ether)

Ethyl Acetate (UV-IR-HPLC-HPLC preparative) PAI-ACS

$CH_3COOC_2H_5$

M: 88,10 CAS: 141-78-6 EINECS: 205-500-4 NC: 2915 31 00 UN: 1173
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 16-26-33 CE: 607-022-00-5**
1l~0,903kg 1kg~1,107l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Density at 20/4 0,900-0,902
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0003 %
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,01 %
Darkened substances by H_2SO_4 ..... p/t.
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	253 (Cut off)	255	257	260	263	265	270-400
A (AU)	1,000	0,699	0,495	0,301	0,097	0,046	0,009
T (%)	10	20	32	50	80	90	98

Fluorescence (as quinine):

λ (nm)	254	365
ppb	2	1

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 4,4
Eluotropic value ε°(Al_2O_3) 0,58
Sol. H_2O in solv. at 20°C 9,8
P' + 0,25 E 5,8
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361318.1611	1000 ml	6
361318.1612	2,5 l	4
361318.1616	25 l	

(*) Sol-Pack pack with tap

Ethyl Acetate (PAR) PAI

$CH_3COOC_2H_5$

M: 88,10 CAS: 141-78-6 EINECS: 205-500-4 NC: 2915 31 00 UN: 1173
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 16-26-33 CE: 607-022-00-5**

1l~0,903kg 1kg~1,107l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,8 %
Identity ..... IR p/t.
Density at 20/4 0,900-0,902

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,0005 %
Acidity ..... 0,0008 meq/g
Water (H_2O) ..... 0,02 %
Signal ECD of pesticide (Lindane to DDT) (as Lindane) ..... 5 ng/l
Signal PND of pesticide (Ethylparathion to Coumaphos) (as Ethylparathion) ..... 5 ng/l
Signal FID of 2-Octanol to Tetradecanol (as 2-Octanol) ..... p/t.

Order code	Package	Units/Box st.
321318.1611	1000 ml	6
321318.1612	2,5 l	4
321318.1646	4 l	4

Ethyl Acetate dry (max. 0,005% water) DS-ACS-ISO

$CH_3COOC_2H_5$

M: 88,10 CAS: 141-78-6 EINECS: 205-500-4 NC: 2915 31 00 UN: 1173
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 16-26-33 CE: 607-022-00-5**

1l~0,903kg 1kg~1,107l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,8 %
Identity ..... IR p/t.
Density at 20/4 0,900-0,902

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Acetaldehyde (G.C.) ..... 0,005 %
Acetone (G.C.) ..... 0,005 %
Ethanol (G.C.) ..... 0,1 %
Methanol (G.C.) ..... 0,05 %
Methyl Acetate (G.C.) ..... 0,1 %
Isopropyl Acetate (G.C.) ..... 0,1 %
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,0008 meq/g
Aldehydes ..... p/t.
Water (H_2O) ..... 0,005 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,1
As	0,5	Ge	0,05	S	0,2
Au	0,1	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
481318.1611	1000 ml	6

Ethyl Acetate (Reag. Ph. Eur.) PA-ACS-ISO

$CH_3COOC_2H_5$

M: 88,10 CAS: 141-78-6 EINECS: 205-500-4 NC: 2915 31 00 UN: 1173
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 16-26-33 CE: 607-022-00-5**

1l~0,903kg 1kg~1,107l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/20 0,901-0,904
Boiling range ..... 76-78°C

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Acetaldehyde (G.C.) ..... 0,005 %
Acetone (G.C.) ..... 0,005 %
Ethanol (G.C.) ..... 0,1 %
Methanol (G.C.) ..... 0,05 %
Methyl Acetate (G.C.) ..... 0,1 %
Isopropyl Acetate (G.C.) ..... 0,1 %
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,0008 meq/g
Aldehydes ..... p/t.
Water (H_2O) ..... 0,1 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,1
As	0,5	Ge	0,05	S	0,2
Au	0,1	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131318.1611	1000 ml	6
131318.1211	1000 ml	6
131318.1612	2,5 l	4
131318.1212	2,5 l	4
131318.1214	5 l	4
131318.0716	25 l	
131318.0718	60 l	
131318.0719	200 l	

Ethyl Acetate PRS

$CH_3COOC_2H_5$

M: 88,10 CAS: 141-78-6 EINECS: 205-500-4 NC: 2915 31 00 UN: 1173
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 16-26-33 CE: 607-022-00-5**

1l~0,903kg 1kg~1,107l

SPECIFICATIONS:

Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,900-0,905
Non-volatile matter ..... 0,005 %
Ethanol (G.C.) ..... 0,5 %
Methanol (G.C.) ..... 0,2 %
Methyl Acetate (G.C.) ..... 0,2 %
Acidity ..... 0,0015 meq/g
Water (H_2O) ..... 0,3 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141318.1211	1000 ml	6
141318.1212	2,5 l	4
141318.1214	5 l	4
141318.0716	25 l	
141318.0718	60 l	

Reactivos para volumetría
Auxiliary reagents for volumetry
Réactifs pour la volumétrie

RV

Soluciones y reactivos que se utilizan en análisis volumétrico como indicadores y auxiliares.
Solutions and reagents to be used in volumetric analysis as indicators and auxiliaries.
Solutions et réactifs utilisés en analyse volumétrique comme indicateur ou auxiliaire.

Ethyl Acetate (RFE, BP, Ph. Eur., DAB) CODEX

$CH_3COOC_2H_5$

M: 88,10 CAS: 141-78-6 EINECS: 205-500-4 NC: 2915 31 00 UN: 1173
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 16-26-33 CE: 607-022-00-5**

1l~0,903kg 1kg~1,107l
SPECIFICATIONS:
Assay ($C_4H_8O_2$) 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
Density at 20/20 0,898-0,902
Refractive index n ^{20}/D 1,370-1,373
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,003 %
Related substances ..... p/t.
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... p/t.
Water (H_2O) ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t.

Order code	Package	Units/Box st.
191318.1214	5 l	4
191318.0716	25 l	

Ethyl Acetate (F.C.C.) ADITIO

extraction solvent for industrial food use
$CH_3COOC_2H_5$

M: 88,10 CAS: 141-78-6 EINECS: 205-500-4 NC: 2915 31 00 UN: 1173
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 16-26-33 CE: 607-022-00-5**

1l~0,903kg 1kg~1,107l
SPECIFICATIONS:
Assay (as $C_4H_8O_2$), not less than ..... 99,0 %
IR ..... p/t.
Refractive index 1,370-1,375
Specific gravity 0,894-0,898
Distillation range ..... 76-77,5°C
Acidity value, not more than 5,0
Methyl compounds ..... p/t.
Residue on evaporation, not more than ..... 0,02 %
Easily carbonizable substances ..... p/t.
Arsenic, not more than ..... 1 ppm
Lead, not more than ..... 1 ppm
Specifications Dir. 88/344/CEE, F.C.C. 6

Order code	Package	Units/Box st.
201318.1214	5 l	4
201318.0716	25 l	

Ethyl Acetate, 99,5% PS

$CH_3COOC_2H_5$

M: 88,10 CAS: 141-78-6 EINECS: 205-500-4 NC: 2915 31 00 UN: 1173
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 16-26-33 CE: 607-022-00-5**

1l~0,903kg 1kg~1,107l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,900-0,902
Non-volatile matter ..... 0,001 %
Acidity (as CH_3COOH) ..... 0,003 %
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
161318.1611	1000 ml	6
161318.1714	5 l	4
161318.0616	25 l	

Ethyl Acetate/Cyclohexane

(see Mixture Cyclohexane/Ethyl Acetate)

Ethyl Acetoacetate, 98% PS

$CH_3COCH_2COOC_2H_5$

M: 130,14 CAS: 141-97-9 EINECS: 205-516-1 NC: 2918 30 00
1l~1,029kg 1kg~0,972l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,027-1,030

Order code	Package	Units/Box st.
15A790.1211	1000 ml	6
15A790.1214	5 l	4
15A790.0716	25 l	

Ethyl Alcohol

(see Ethanol)

Ethyl Aldehyde

(see Acetaldehyde)

Ethylbenzene, 99% PS

C_8H_{10}

M: 106,17 CAS: 100-41-4 EINECS: 202-849-4 NC: 2902 60 00 UN: 1175
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn **R: 11-20 S: 16-24/25-29 CE: 601-023-00-4**

1l~0,866kg 1kg~1,154l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,865-0,867
Non-volatile matter ..... 0,001 %
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
163054.1611	1000 ml	6

Ethyl Benzoate PRS

$C_6H_5COOC_2H_5$

M: 150,18 CAS: 93-89-0 EINECS: 202-284-3 NC: 2916 31 00
1l~1,049kg 1kg~0,953l
SPECIFICATIONS:
Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,044-1,054
Non-volatile matter ..... 0,01 %
Ethanol (G.C.) ..... 0,1 %
Acidity (as $C_7H_6O_2$) ..... 0,06 %
Water (H_2O) ..... 0,3 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141973.1611	1000 ml	6
141973.0716	25 l	

Ethyl Benzoate, 99% PS

$C_6H_5COOC_2H_5$

M: 150,18 CAS: 93-89-0 EINECS: 202-284-3 NC: 2916 31 00
1l~1,049kg 1kg~0,953l
SPECIFICATIONS:
Assay (G.C.) ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
151973.1608	100 ml	6
151973.1610	500 ml	6

O-Ethylbenzoin

(see Benzoin Ethyl Ether)

Ethyl Bromide

(see Bromoethane)

Ethyl Bromoacetate, 98% PS

$C_4H_7BrO_2$

M: 167,01 CAS: 105-36-2 EINECS: 203-290-9 NC: 2915 90 80 UN: 1603
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/P PAX: P CAO: P
HAZARDOUS:

T+ **R: 26/27/28 S: 7/9-26-45 CE: 607-069-00-1**

1l~1,506kg 1kg~0,664l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,504-1,508

Order code	Package	Units/Box st.
15A791.1608	100 ml	6
15A791.1610	500 ml	6

2-Ethylcaproic Acid

(see 2-Ethylhexanoic Acid)

Ethyl 4-Chloroacetoacetate, 98% PS

$C_6H_9ClO_3$

M: 164,59 CAS: 638-07-3 EINECS: 211-317-0 NC: 2918 30 00 UN: 2922
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
T N
R: 24/25-34-43-51/53 S: 26-36/37/39-45-61
1l~1,218kg 1kg~0,82l
SPECIFICATIONS:
Minimum Assay ..... 98 %

Order code	Package	Units/Box st.
15A178.1607	50 ml	6

Ethyl Cyanide

(see Propionitrile)

Ethyldiglycol

(see Diethylene Glycol mono-Ethyl Ether)

N-Ethyl Di-Isopropylamine BS

for synthesis of peptides
$C_8H_{19}N$

M: 129,25 CAS: 7087-68-5 EINECS: 230-392-0 NC: 2921 19 80 UN: 2733
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F C
R: 11-20/21/22-34 S: 16-26-36/37/39-45
1l~0,742kg 1kg~1,348l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,740-0,760
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
73A837.1611	1000 ml	6
73A837.1612	2,5 l	4

N-Ethyl Di-Isopropylamine, 98% PS

$C_8H_{19}N$

M: 129,25 CAS: 7087-68-5 EINECS: 230-392-0 NC: 2921 19 80 UN: 2733
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F C
R: 11-20/21/22-34 S: 16-26-36/37/39-45
1l~0,742kg 1kg~1,348l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,740-0,760
Water (H_2O) ..... 0,5 %

Order code	Package	Units/Box st.
15A837.1208	100 ml	6
15A837.1211	1000 ml	6

Ethylene Chloride

(see 1,2-Dichloroethane)

Ethylene Chlorohydrin

(see 2-Chloroethanol)

Ethylenediamine PA

$C_2H_8N_2$

M: 60,10 CAS: 107-15-3 EINECS: 203-468-6 NC: 2921 21 00 UN: 1604
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
C
R: 10-21/22-34-42/43 S: 23c-26-36/37/39-45 CE: 612-006-00-6
1l~0,899kg 1kg~1,112l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,895-0,900
MAXIMUM LIMIT OF IMPURITIES
Non-volatile matter ..... 0,05 %
Chloride (Cl) ..... 0,01 %
Water (H_2O) ..... 1 %
Heavy metals (as Pb) ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
121869.1611	1000 ml	6

Ethylenediamine, 99% PS

$C_2H_8N_2$

M: 60,10 CAS: 107-15-3 EINECS: 203-468-6 NC: 2921 21 00 UN: 1604
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
C
R: 10-21/22-34-42/43 S: 23c-26-36/37/39-45 CE: 612-006-00-6
1l~0,899kg 1kg~1,112l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,897-0,900
Water (H_2O) ..... 1 %

Order code	Package	Units/Box st.
161869.1611	1000 ml	6
161869.1612	2,5 l	4
161869.1214	5 l	4
161869.0716	25 l	

Ethylenediaminetetraacetic Acid PA-ACS

$C_{10}H_{16}N_2O_8$

M: 292,24 CAS: 60-00-4 EINECS: 200-449-4 NC: 2922 49 95
HAZARDOUS:
Xi
R: 36 S: 26
SPECIFICATIONS:
Assay (Compl.) 99,4-100,6%
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in NH_4OH ..... 0,005 %
Residue on ignition (as SO_4) ..... 0,1 %
Nitriletriacetic Acid [$(CH_2COOH)_3N$] ..... 0,1 %
Chloride (Cl) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
Ca ..... 0,001 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Mg ..... 0,0005 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
131026.1209	250 g	6
131026.1210	500 g	6
131026.1211	1000 g	6
131026.0914	5 kg	4
131026.0416	25 kg	

Ethylenediaminetetraacetic Acid (USP-NF, BP, Ph. Eur.) PRS-CODEX

$C_{10}H_{16}N_2O_8$

M: 292,24 CAS: 60-00-4 EINECS: 200-449-4 NC: 2922 49 95
HAZARDOUS:
Xi
R: 36 S: 26
SPECIFICATIONS:
Assay (Compl.) 98,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Residue on ignition (as SO_4) ..... 0,2 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Nitriletriacetic Acid [$(CH_2COOH)_3N$] ..... 0,1 %
Chloride (Cl) ..... 0,02 %
Heavy metals (as Pb) ..... 0,002 %
Fe ..... 0,005 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141026.1211	1000 g	6
141026.0914	5 kg	
141026.0416	25 kg	

Ethylenediaminetetraacetic Acid Calcium Disodium Salt (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_{10}H_{12}CaN_2Na_2O_8$

M: 374,27 CAS: 62-33-9 EINECS: 200-529-9 NC: 2922 49 95

SPECIFICATIONS:

Assay (Compl.) calc. a.d.s 98,0-102,0%
Identity according to Pharmacopoeias ..... p/t.
pH of 20% solution 6,5-8,0

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t.
Ethylenediaminetetraacetic Acid Disodium Salt ..... 1,0 %
Magnesium-quelating substances ..... p/t.
Nitrilotriacetic Acid [$(CH_2COOH)_3N$] ..... 0,1 %
Chloride (Cl) ..... 0,1 %
Water (H_2O) ..... 5,0-13,0 %
Heavy metals (as Pb) ..... 0,002 %
Cu ..... 0,002 %
Fe ..... 0,008 %
Ni ..... 0,002 %
Pb ..... 0,002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
144559.1211	1000 g P	6
144559.0914	5 kg PP	

Ethylenediaminetetraacetic Acid Dipotassium Salt 2-hydrate PRS

$C_{10}H_{14}K_2N_2O_8.2H_2O$

M: 404,47 CAS: 25102-12-9 EINECS: 217-895-0 NC: 2922 49 95

HAZARDOUS:

Xn R: 22

SPECIFICATIONS:

Assay (Compl.) ..... 98,0 %
Identity ..... IR p/t.
pH of 5% solution 4,0-5,5
Insoluble matter in H_2O ..... 0,02 %
Chloride (Cl) ..... 0,05 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
142091.1208	100 g P	6
142091.1210	500 g P	6
142091.0914	5 kg PP	

Ethylenediaminetetraacetic Acid Dipotassium Magnesium Salt 2-hydrate PRS

$C_{10}H_{12}K_2MgN_2O_8.2H_2O$

M: 426,76 CAS: 15708-48-2 EINECS: 239-803-8 NC: 2922 49 95

SPECIFICATIONS:

Assay (Compl.) ..... 98 %
Identity ..... IR p/t.
Insoluble matter in H_2O ..... 0,02 %
Chloride (Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,05 %
Cu ..... 0,005 %
Fe ..... 0,005 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
142093.1209	250 g P	6
142093.1211	1000 g P	6
142093.0914	5 kg PP	
142093.0416	25 kg PP	

Ethylenediaminetetraacetic Acid Disodium Salt 2-hydrate (Reag. Ph. Eur.) PA-ACS

$C_{10}H_{14}N_2Na_2O_8.2H_2O$

M: 372,24 CAS: 6381-92-6 EINECS: 205-358-3 NC: 2922 49 95

HAZARDOUS:

Xn R: 22

SPECIFICATIONS:

Assay (Compl.) 99,0-101,0%
Identity ..... IR p/t.
pH of 5% solution 4,0-5,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Nitrilotriacetic acid [$(CH_2COOH)_3N$] ..... 0,05 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,02 %
Heavy metals (as Pb) ..... 0,001 %
Ca ..... 0,002 %
Cu ..... 0,0001 %
Fe ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
131669.1209	250 g P	6
131669.1210	500 g P	6
131669.1211	1000 g P	6
131669.0914	5 kg PP	4
131669.0416	25 kg PP	

Ethylenediaminetetraacetic Acid Disodium Salt 2-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_{10}H_{14}N_2Na_2O_8.2H_2O$

M: 372,24 CAS: 6381-92-6 EINECS: 205-358-3 NC: 2922 49 95

HAZARDOUS:

Xn R: 22

SPECIFICATIONS:

Assay (Compl.) 99,0-101,0%
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 4,0-5,0

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,01 %
Loss on drying at 200°C 3 h ..... 8,7-11,4 %
Residual solvents (Ph.Eur./USP) ..... p/t
Nitrilotriacetic Acid [$(CH_2COOH)_3$] ..... 0,1 %
Chloride (Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,1 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Ca ..... p/t.
Cu ..... 0,002 %
Fe ..... 0,0005 %
Ni ..... 0,002 %
Pb ..... 0,002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141669.1211	1000 g P	6
141669.0914	5 kg PP	
141669.0416	25 kg PP	

Ethylenediaminetetraacetic Acid Disodium Salt 2-hydrate (F.C.C.) ADITIO

$C_{10}H_{14}N_2Na_2O_8.2H_2O$

M: 372,24 CAS: 6381-92-6 EINECS: 205-358-3 NC: 2922 49 95

HAZARDOUS:

Xn R: 22

SPECIFICATIONS:

Assay ($C_{10}H_{14}N_2Na_2O_8.2H_2O$) 99,0-101,0%
Heavy metals (as Pb), not more than ..... 0,002 %
Lead, not more than ..... 10 ppm
Nitrilotriacetic Acid ..... 0,1 %
pH of 1% solution 4,3-4,7
Calcium ..... p/t.
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201669.0914	5 kg PP	
201669.0416	25 kg PP	

SV

Soluciones valoradas
Volumetric solutions
Solutions volumétriques

ETHYLENEDIAMINETETRAACETIC ACID DISODIUM SALT VOLUMETRIC SOLUTIONS

Ethylenediaminetetraacetic Acid Disodium Salt 0,01 mol/l (0,01M) SV

Indicator: Eriochrome Black T (ZnO)
$C_{10}H_{14}N_2Na_2O_8.2H_2O$
M: 372,24 CAS: 6381-92-6 EINECS: 205-358-3 NC: 2922 49 95
1l~1,000kg 1kg~1,000l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
181671.1211	1000 ml	6
181671.1212	2,5 l	4

Ethylenediaminetetraacetic Acid Disodium Salt 0,01785 mol/l (0,01785M) SV

1 ml corresponds to 10 mg/l CaO for 100 ml of water = 1°d (german degrees of hardness)
$C_{10}H_{14}N_2Na_2O_8.2H_2O$
M: 372,24 CAS: 6381-92-6 EINECS: 205-358-3 NC: 2922 49 95
1l~1,002kg 1kg~0,998l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
184489.1211	1000 ml	6

Ethylenediaminetetraacetic Acid Disodium Salt 0,05 mol/l (0,05M) SV

Indicator: Eriochrome Black T (ZnO)
$C_{10}H_{14}N_2Na_2O_8.2H_2O$
M: 372,24 CAS: 6381-92-6 EINECS: 205-358-3 NC: 2922 49 95
1l~1,008kg 1kg~0,992l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
182120.1211	1000 ml	6
182120.1315	10 l	(*)

Ethylenediaminetetraacetic Acid Disodium Salt 0,1 mol/l (0,1M) SV

Indicator: Eriochrome Black T (ZnO)
$C_{10}H_{14}N_2Na_2O_8.2H_2O$
M: 372,24 CAS: 6381-92-6 EINECS: 205-358-3 NC: 2922 49 95
1l~1,017kg 1kg~0,983l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
181670.1211	1000 ml	6
181670.1212	2,5 l	4
181670.1315	10 l	(*)

Ethylenediaminetetraacetic Acid Disodium Salt 0,1 mol (37,224g $C_{10}H_{14}N_2Na_2O_8.2H_2O$) to prep.1l of 0,1M sol. SVc

CAS: 6381-92-6 EINECS: 205-358-3 NC: 2922 49 95
SPECIFICATIONS:
Titer .....1,000 ±0,002

Order code	Package	Units/Box st.
303118.1920	1 ampoule	6

VINIKIT
Análisis de vinos
Wine analysis
Analyse des vins

Ethylenediaminetetraacetic Acid Tetrasodium Salt 4-hydrate PRS

$Na_4C_{10}H_{12}N_2O_8.4H_2O$
M: 452,24 CAS: 13235-36-4 EINECS: 200-573-9 NC: 2922 49 95
HAZARDOUS:
Xn
R: 22-41 S: 26-39-46
SPECIFICATIONS:
Assay (Compl.) .....98 %
Identity.....IR p/t.
pH of 1% solution 10,4-11,4
Insoluble matter in H_2O.....0,02 %
Chloride (Cl).....0,02 %
Sulphate (SO_4) .....0,05 %
Heavy metals (as Pb).....0,002 %
Cu .....0,0005 %
Fe.....0,001 %
Ni .....0,001 %
Pb .....0,001 %

Order code	Package	Units/Box st.
141952.1210	500 g	6
141952.1211	1000 g	6
141952.0914	5 kg	
141952.0416	25 kg	

Ethylenediaminetetraacetic Acid Tripotassium Salt 2-hydrate PRS

$C_{10}H_{13}K_3N_2O_8.2H_2O$
M: 442,57 CAS: 65501-24-8 EINECS: 241-543-5 NC: 2922 49 95
SPECIFICATIONS:
Assay (Compl.) .....98 %
Identity.....IR p/t.
pH of 5% solution 8,0-9,0
Insoluble matter in H_2O.....0,01 %
Heavy metals (as Pb).....0,01 %
Fe.....0,02 %

Order code	Package	Units/Box st.
144108.1209	250 g	6
144108.1211	1000 g	6
144108.0914	5 kg	
144108.0416	25 kg	

Ethylene Dichloride

(see 1,2-Dichloroethane)

Ethylenedinitriletetraacetic Acid

(see Ethylenediaminetetraacetic Acid)

Ethylene Glycol (Reag. USP, Ph. Eur.) PA

CH_2OHCH_2OH
M: 62,07 CAS: 107-21-1 EINECS: 203-473-3 NC: 2905 31 00
HAZARDOUS:
Xn
R: 22 CE: 603-027-00-1
1l~1,115kg 1kg~0,897l
SPECIFICATIONS:
Minimum assay (G.C.) .....99,5 %
Identity.....IR p/t.
Density at 20/20 1,113-1,115
MAXIMUM LIMIT OF IMPURITIES
APHA colour.....10
Insoluble matter in H_2O..... p/t.
Residue on ignition (as SO_4).....0,003 %
Reducing substances to $KMnO_4$ (as O).....0,0003 %
Darkened substances by H_2SO_4..... p/t.
Diethyleneglycol (G.C.).....0,05 %
Acidity.....0,0005 meq/g
Water (H_2O).....0,1 %
Chloride (Cl).....0,0005 %
Sulphate (SO_4) .....0,0005 %
Ca .....0,00005 %
Cd.....0,000005 %
Co.....0,000002 %
Cr.....0,000002 %
Cu .....0,000002 %
Fe.....0,00001 %
Mg .....0,00001 %
Mn .....0,000002 %
Ni .....0,000002 %
Pb .....0,00001 %

Order code	Package	Units/Box st.
121316.1211	1000 ml	6
121316.1212	2,5 l	4
121316.1214	5 l	4
121316.0716	25 l	
121316.0719	200 l	

(*) Sol-Pack pack with tap

Ethylene Glycol PRS

CH_2OHCH_2OH

M: 62,07 CAS: 107-21-1 EINECS: 203-473-3 NC: 2905 31 00

HAZARDOUS:

Xn

R: 22 CE: 603-027-00-1

1l~1,115kg 1kg~0,897l

SPECIFICATIONS:

Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,113-1,117
Residue on ignition (as SO_4) ..... 0,01 %
Diethyleneglycol (G.C.) ..... 0,1 %
Acidity (as CH_3COOH) ..... 0,01 %
Water (H_2O) ..... 0,3 %
Chloride (Cl) ..... 0,03 %
Sulphate (SO_4) ..... 0,01 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141316.1211	1000 ml	6
141316.1212	2,5 l	4
141316.1214	5 l	4
141316.0716	25 l	
141316.0718	60 l	
141316.0719	200 l	

Ethylene Glycol, 99% PS

CH_2OHCH_2OH

M: 62,07 CAS: 107-21-1 EINECS: 203-473-3 NC: 2905 31 00

HAZARDOUS:

Xn

R: 22 CE: 603-027-00-1

1l~1,115kg 1kg~0,897l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,113-1,117
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
161316.1211	1000 ml	6
161316.1212	2,5 l	4
161316.1214	5 l	4
161316.0716	25 l	
161316.0718	60 l	

Ethyleneglycol mono-Butyl Ether

(see Ethylene Glycol mono-Butyl Ether)

Ethylene Glycol mono-Butyl Ether PRS

$CH_2OHCH_2OC_4H_9$

M: 118,17 CAS: 111-76-2 EINECS: 203-905-0 NC: 2909 43 00

HAZARDOUS:

Xn

R: 20/21/22-36/38 S: 36/37-46 CE: 603-014-00-0

1l~0,901kg 1kg~1,110l

SPECIFICATIONS:

Assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,899-0,902
Non-volatile matter ..... 0,01 %
Acidity (as CH_3COOH) ..... 0,01 %
Water (H_2O) ..... 0,2 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141888.1211	1000 ml	6
141888.1214	5 l	4
141888.0716	25 l	

Ethylene Glycol mono-Ethyl Ether (Reag. USP, Ph. Eur.) PA

$C_4H_{10}O_2$

M: 90,12 CAS: 110-80-5 EINECS: 203-804-1 NC: 2909 44 00 UN: 1171

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

T

R: 60-61-10-E20/21/22 S: 53-45 CE: 603-012-00-X

1l~0,932kg 1kg~1,073l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 20/4 0,930-0,933
Boiling range (>95% dist.) ..... 133-135°C

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,005 %
Acidity ..... 0,001 meq/g
Water (H_2O) ..... 0,1 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

Order code	Package	Units/Box st.
121317.1611	1000 ml	6
121317.1214	5 l	4

Ethylene Glycol mono-Ethyl Ether PRS

$C_4H_{10}O_2$

M: 90,12 CAS: 110-80-5 EINECS: 203-804-1 NC: 2909 44 00 UN: 1171

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

T

R: 60-61-10-E20/21/22 S: 53-45 CE: 603-012-00-X

1l~0,932kg 1kg~1,073l

SPECIFICATIONS:

Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,930-0,933
Acidity ..... 0,005 meq/g
Water (H_2O) ..... 0,3 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141317.1211	1000 ml	6
141317.1214	5 l	4
141317.0716	25 l	

Ethylene Glycol mono-Ethyl Ether, 99% PS

$C_4H_{10}O_2$

M: 90,12 CAS: 110-80-5 EINECS: 203-804-1 NC: 2909 44 00 UN: 1171

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

T

R: 60-61-10-E20/21/22 S: 53-45 CE: 603-012-00-X

1l~0,932kg 1kg~1,073l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,930-0,933
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
161317.1211	1000 ml	6
161317.1212	2,5 l	4
161317.1214	5 l	4
161317.0716	25 l	

PAI
PAR

Disolventes de alta pureza para el análisis de residuos de pesticidas
High purity solvents for pesticide residues analysis
Solvants de grande pureté pour l'analyse de résidus de pesticides

Ethylene Glycol mono-Methyl Ether PA-ACS

$HOCH_2CH_2OCH_3$

M: 76,10 CAS: 109-86-4 EINECS: 203-713-7 NC: 2909 44 00 UN: 1188
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

T **R: 60-61-10-E20/21/22 S: 53-45 CE: 603-011-00-4**

1l~0,966kg 1kg~1,035l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,964-0,968

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,005 %
Acidity ..... 0,001 meq/g
Peroxides (as H_2O_2) ..... 0,0003 %*
Water (H_2O) ..... 0,1 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

*At the moment of the batch analysis

Order code	Package	Units/Box st.
131897.1611	1000 ml	6
131897.1612	2,5 l	4
131897.1214	5 l	4

Ethylene Glycol mono-Methyl Ether, 99% PS

$HOCH_2CH_2OCH_3$

M: 76,10 CAS: 109-86-4 EINECS: 203-713-7 NC: 2909 44 00 UN: 1188
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

T **R: 60-61-10-E20/21/22 S: 53-45 CE: 603-011-00-4**

1l~0,966kg 1kg~1,035l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,964-0,968
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
161897.1211	1000 ml	6
161897.1212	2,5 l	4
161897.1214	5 l	4
161897.0716	25 l	

Ethylene Glycol di-Methyl Ether PA

$C_4H_{10}O_2$

M: 90,12 CAS: 110-71-4 EINECS: 203-794-9 NC: 2909 44 00 UN: 2252
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F T **R: 60-61-11-19-20 S: 53-45 CE: 603-031-00-3**

1l~0,867kg 1kg~1,153l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 20/4 0,866-0,868

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter ..... 0,005 %
Peroxides (as H_2O_2) ..... 0,005 %
Water (H_2O) ..... 0,1 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

Order code	Package	Units/Box st.
124468.1610	500 ml	6

Ethylene Glycol di-Methyl Ether, 99% PS

$C_4H_{10}O_2$

M: 90,12 CAS: 110-71-4 EINECS: 203-794-9 NC: 2909 44 00 UN: 2252
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F T **R: 60-61-11-19-20 S: 53-45 CE: 603-031-00-3**

1l~0,867kg 1kg~1,153l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,866-0,868
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
164468.1611	1000 ml	6
164468.1214	5 l	4

Ethylene Glycol mono-Phenyl Ether

(see 2-Phenoxyethanol)

Ethylene Tetrachloride

(see Tetrachloroethylene)

Ethylene Trichloride

(see Trichloroethylene)

Ethyl Ether

(see Diethyl Ether)

Ethylglycol

(see Ethylene Glycol mono-Ethyl Ether)

2-Ethylhexanoic Acid, 99% PS

$C_8H_{16}O_2$

M: 144,22 CAS: 149-57-5 EINECS: 205-743-6 NC: 2915 90 80
HAZARDOUS:

Xn **R: 63 S: 36/37 CE: 607-230-00-6**

1l~0,906kg 1kg~1,104l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,905-0,907
Water (H_2O) ..... 0,3 %

Order code	Package	Units/Box st.
163543.1609	250 ml	6
163543.1611	1000 ml	6

2-Ethyl-1-Hexanol PA

$C_8H_{18}O$

M: 130,23 CAS: 104-76-7 EINECS: 203-234-3 NC: 2905 16 10
HAZARDOUS:

Xi **R: 36/38**

1l~0,832kg 1kg~1,202l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 20/4 0,830-0,834

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter ..... 0,002 %
1-Octanol (G.C.) ..... 0,1 %
2-Octanol (G.C.) ..... 0,1 %
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,002 meq/g
Aldehydes ..... p/t.
Water (H_2O) ..... 0,15 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

Order code	Package	Units/Box st.
122021.1611	1000 ml	6

2-Ethyl-1-Hexanol, 99% PS

$C_8H_{18}O$

M: 130,23 CAS: 104-76-7 EINECS: 203-234-3 NC: 2905 16 10

HAZARDOUS:

Xi

R: 36/38

1l~0,832kg 1kg~1,202l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,830-0,834
Water (H_2O) ..... 0,15 %

Order code	Package	Units/Box st.
162021.1211	1000 ml	6
162021.1212	2,5 l	4

2-Ethylhexyl Alcohol

(see 2-Ethyl-1-Hexanol)

Ethyl Iodide

(see Iodoethane)

Ethyl 3-Iodobenzoate, 99% stabilized with copper PS

$C_9H_9IO_2$

M: 276,07 CAS: 58313-23-8 NC: 2916 39 00

HAZARDOUS:

Xi

R: 36/37/38 S: 24/25-26-36

1l~1,660kg 1kg~0,602l

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C054.1605	10 ml	6
15C054.1607	50 ml	6

Ethylketone

(see Diethylketone)

Ethyl (S)-(-)-Lactate PRS

$C_5H_{10}O_3$

M: 118,14 CAS: 687-47-8 EINECS: 211-694-1 NC: 2918 11 00 UN: 1192

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xi

R: 10-37-41 S: 24-26-39 CE: 607-129-00-7

1l~1,031kg 1kg~0,97l

SPECIFICATIONS:

Assay (G.C.) ..... 98,0 %
Identity ..... IR p/t.
Density at 25/4 1,029-1,032
Non-volatile matter ..... 0,01 %
Ethanol (G.C.) ..... 0,2 %
Water (H_2O) ..... 0,3 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141319.1611	1000 ml	6
141319.1214	5 l	4
141319.0716	25 l	

Ethyl (S)-(-)-Lactate (F.C.C.) ADITIO

$C_5H_{10}O_3$

M: 118,14 CAS: 687-47-8 EINECS: 211-694-1 NC: 2918 11 00 UN: 1192

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xi

R: 10-37-41 S: 24-26-39 CE: 607-129-00-7

1l~1,031kg 1kg~0,97l

SPECIFICATIONS:

IR ..... p/t.
Assay ($C_5H_{10}O_3$), not less than ..... 98,0 %
Acidity value, not more than 1,0
Refractive index n^{20}/D ..... 1,410 - 1,420
Specific weight ..... 1,029 - 1,032
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201319.0716	25 l	

Ethyl (S)-(-)-Lactate, 98% PS

$C_5H_{10}O_3$

M: 118,14 CAS: 687-47-8 EINECS: 211-694-1 NC: 2918 11 00 UN: 1192

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xi

R: 10-37-41 S: 24-26-39 CE: 607-129-00-7

1l~1,031kg 1kg~0,97l

SPECIFICATIONS:

Assay (G.C.) ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
151319.1609	250 ml	6
151319.1611	1000 ml	6

Ethyl Malonate

(see Diethyl Malonate)

2-[(Ethylmercury)Thio] Benzoic Acid Sodium Salt (USP, BP, Ph. Eur.) PRS-CODEX

$C_9H_9HgNaO_2S$

M: 404,81 CAS: 54-64-8 EINECS: 200-210-4 NC: 2931 00 95 UN: 2025

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T+ N

R: 26/27/28-33-50/53 S: 13-28a-36-45-60-61

CE: 080-004-00-7

SPECIFICATIONS:

Assay (calc. a.d.s.) ..... 97,0-101,0 %
Identity according to Pharmacopoeias ..... p/t.
pH of 0,8% solution 6,0-8,0
pH of 1% solution 6,0-8,0

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Soluble matter in ether ..... 0,6 %
Loss on drying ..... 0,5 %
Darkened substances by H_2SO_4 ..... p/t.
Inorganic mercury compounds (as Hg) ..... 0,70 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
143886.1608	100 g	6
143886.1611	1000 g	6

Ethyl Methyl Ketone

(see Butanone)

Ethyl Nitrite 50% in ethanol 96% v/v PS

C_2H_5ONO

M: 75,07 CAS: 109-95-5 EINECS: 203-722-6 NC: 2920 90 85 UN: 1194

IMDG: 3/I ADR: 3/I IATA: 3/- PAX: P CAO: P

HAZARDOUS:

E Xn

R: 2-20/21/22 CE: 007-006-00-2

1l~0,864kg 1kg~1,157l

SPECIFICATIONS:

Assay (G.C.) ..... ~50 %
Density at 20/4 0,840-0,850

Order code	Package	Units/Box st.
15A792.2210	500 ml	6

Ethyl Oxide

(see Diethyl Ether)

Ethyl Phenoxyacetate, 98% PS

$C_{10}H_{12}O_3$

M: 180,20 CAS: 2555-49-9 EINECS: 219-867-3 NC: 2909 30 90

1l~1,100kg 1kg~0,909l

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C003.1606	25 ml	6
15C003.1608	100 ml	6

Ethyl Phenyl Ketone

(see Propiophenone)

2-Ethylpropionic Acid

(see 2-Methylbutyric Acid)

Ethyl Propyl Carbinol

(see 3-Hexanol)

Ethyl Trifluoroacetate, 98% PS

$C_4H_5F_3O_2$

M: 142,08 CAS: 383-63-1 EINECS: 206-851-6 NC: 2915 90 80 UN: 2924
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F C N **R: 11-34-50 S: 9-16-26-36/37/39-45-61**

1l~1,191kg 1kg~0,839l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,191-1,194
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
15A793.1606	25 ml	6
15A793.1608	100 ml	6

Ethyl Violet (C.I. 42600) PA

for determination of surfactants
$C_{31}H_{42}ClN_3$

M: 492,10 CAS: 2390-59-2 EINECS: 219-231-5 NC: 3204 13 00
SPECIFICATIONS:
Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 594-597 nm
A 1%, 1cm, λmax ..... >1600
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Cu ..... 0,005 %
Fe ..... 0,02 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
123718.1606	25 g	6

Ethynylbenzene

(see Phenylacetylene)

Ethynyltrimethylsilane

(see Trimethylsilylacetylene)

Eucalyptol (USP) PRS-CODEX

$C_{10}H_{18}O$

M: 154,24 CAS: 470-82-6 EINECS: 207-431-5 NC: 2909 20 00
HAZARDOUS:

F **R: 10**

1l~0,920kg 1kg~1,087l
SPECIFICATIONS:
Assay (G.C.) 98,0-100,0%
Identity according to Pharmacopoeias ..... p/t.
Density at 25 /25 0,921-0,924
Freezing point ..... >0°C
Distillation range ..... 174-177°C
Refractive index n ^{20}/D 1,455-1,460
Specific rotation $[\alpha]^{25}$/D (without dil.) ..... -0,5 to +0,5°
MAXIMUM LIMIT OF IMPURITIES
Phenol ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t
Complies USP 29 specifications

Order code	Package	Units/Box st.
142085.1609	250 ml	6
142085.1611	1000 ml	6

Eucalyptol, 98% PS

$C_{10}H_{18}O$

M: 154,24 CAS: 470-82-6 EINECS: 207-431-5 NC: 2909 20 00
HAZARDOUS:

F **R: 10**

1l~0,920kg 1kg~1,087l
SPECIFICATIONS:
Assay (G.C.) ..... 98 %

Order code	Package	Units/Box st.
152085.1608	100 ml	6
152085.1610	500 ml	6

Eucalyptol QP

$C_{10}H_{18}O$

M: 154,24 CAS: 470-82-6 EINECS: 207-431-5 NC: 2909 20 00
HAZARDOUS:

F **R: 10**

1l~0,920kg 1kg~1,087l
SPECIFICATIONS:
Assay (G.C.) ..... 98 %
Density at 20/4 0,915-0,925
Insoluble matter in C_2H_5OH ..... p/t.

Order code	Package	Units/Box st.
212085.1609	250 ml	6
212085.1611	1000 ml	6
212085.1214	5 l	4

Eukitt ®, mounting medium DC

for microscopy, mounting medium (® Registered trade-mark of O. Kindler GmbH)

NC: 3822 00 00
HAZARDOUS:

Xn **R: 10-20/21-38**

SPECIFICATIONS:
Identity ..... IR p/t.
Refractive Index n ^{20}/D 1,493-1,496

Order code	Package	Units/Box st.
253681.0008	100 ml	6
253681.0009	250 ml	6
253681.0010	500 ml	6

EUROPIUM SOLUTIONS

(see Standards for ICP)

Evans Blue (C.I. 23860) DC

$C_{34}H_{24}N_6Na_4O_{14}S_4$

M: 960,82 CAS: 314-13-6 EINECS: 206-242-5 NC: 3204 14 00 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T **R: 45-61-20/21/22 S: 53-36/37/39-45**

SPECIFICATIONS:
Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 606-611 nm
A 1%, 1 cm, λmax (a.d.s.) ..... >725
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C ..... 15 %
Suitability for microscopy ..... p/t.

Order code	Package	Units/Box st.
255486.1606	25 g	6

Fast Green FCF (C.I. 42053) DC

for microscopy
$C_{37}H_{34}N_2Na_2O_{10}S_3$

M: 808,84 CAS: 2353-45-9 EINECS: 219-091-5 NC: 3204 19 00
HAZARDOUS:

Xn **R: 40 S: 36/37**

SPECIFICATIONS:
Identity ..... IR p/t.
λof max. ABS in C_2H_5OH 50% ..... 622-626 nm
A 1%, 1 cm, λmax. ..... >110
Ratio λmax. P ± 15 nm 0,98-1,20
T.L.C. ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C ..... 10 %

Order code	Package	Units/Box st.
255668.1606	25 g	6

Fast Staining in Haematology, Kit for

(see Kit for Fast Staining in Haematology)

FD &C Blue 1

(see Brilliant Blue FCF)

FD &C Yellow Nº 5

(see Tartrazine)

Aquametric

Reactivos de Karl Fischer exentos de piridina
Karl Fischer reagents pyridine free
Réactifs de Karl Fischer sans pyridine

Fehling's A Reagent DC

for determination of glucose in urine and reducing sugars
NC: 3822 00 00 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 914 CAO: 914
HAZARDOUS:

N R: 51 S: 61
1l~1,024kg 1kg~0,977l
Composition:
Copper(II) Sulphate 5-hydrate ..... 48,30 g
Sulphuric Acid 96% ..... 1 ml
Water s.q.m. ..... 1 l

Order code	Package	Units/Box st.
251563.1210	500 ml	6
251563.1211	1000 ml	6

Fehling's B Reagent DC

for determination of glucose in urine and reducing sugars
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:

C R: 35 S: 26-36/37/39-45
1l~1,215kg 1kg~0,823l
Composition:
Sodium Hydroxide ..... 90 g
Potassium Sodium Tartrate 4-hydrate ..... 300 g
Water s.q.m. ..... 1 l

Order code	Package	Units/Box st.
251564.1210	500 ml	6
251564.1211	1000 ml	6

Fehling's A Reagent VINIKIT

for determination of reducing sugars
NC: 3822 00 00 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 914 CAO: 914
HAZARDOUS:

N R: 51 S: 61
1l~1,045kg 1kg~0,957l
Composition:
Copper(II) Sulphate 5-hydrate ..... 70 g
Sulphuric Acid 96% ..... 1 ml
Water s.q.m ..... 1 l

Order code	Package	Units/Box st.
624568.1209	250 ml	6

Fehling's B Reagent VINIKIT

for determination of reducing sugars
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:

C R: 35 S: 26-36/37/39-45
1l~1,239kg 1kg~0,807l
Composition:
Sodium Hydroxide ..... 100 g
Potassium Sodium Tartrate 4-hydrate ..... 346 g
Water s.q.m. ..... 1 l

Order code	Package	Units/Box st.
624569.1209	250 ml	6

Fehling's Reagent Composite DC

for determination of glucose in urine
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:

C N R: 34-51 S: 26-36/37/39-45-61
1l~1,122kg 1kg~0,891l
Composition:
Fehling's A Reagent ..... 500 ml
Fehling's B Reagent ..... 500 ml

Order code	Package	Units/Box st.
253203.1611	1000 ml	6

Fermentation, Malo-Lactic

(see Malo-Lactic Kit)

Ferric

(see Iron(III) compounds)

Ferrocene, 98% PS

$(C_5H_5)_2Fe$
M: 186,04 CAS: 102-54-5 EINECS: 203-039-3 NC: 2931 00 95 UN: 1325
IMDG: 4.1/II ADR: 4.1/II IATA: 4.1/II PAX: 415 CAO: 417
HAZARDOUS:

F Xn N R: 11-22-51/53 S: 22-61
SPECIFICATIONS:
Minimum assay ..... 98 %
Identity ..... IR p/t.
Melting range ..... 172-175 °C

Order code	Package	Units/Box st.
15A392.1608	100 g	6
15A392.1610	500 g	6

Ferroin solution 0,025 mol/l (0,025M) RV

redox indicator
$C_{36}H_{24}FeN_6O_4S$
M: 692,24 CAS: 14634-91-4 EINECS: 238-676-6 NC: 3822 00 00
HAZARDOUS:

Xn R: 22-52 S: 45
1l~1,008kg 1kg~0,992l
SPECIFICATIONS:
MAXIMUM LIMIT OF IMPURITIES
Suitability as redox indicator ..... p/t.

Order code	Package	Units/Box st.
283462.1608	100 ml	6
283462.1609	250 ml	6

Ferrous

(see Iron(II) compounds)

Ferrozine

(see 3-(2-Pyridyl)-5,6-Diphenyl-1,2,4-Triazine-4',4''-Disulfonic Acid Disodium Salt)

Fixative Reagent DC

for electron microscopy, buffer
NC: 3822 00 00 UN: 2810
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:

T R: 23/25 S: 20/21-28a-45
Composition:
Sodium Cacodylate ..... 2,14 g
Hydrochloric Acid 1 mol/l ..... 4 ml
Calcium Chloride 0,1 mol/l ..... 1 ml
Saccharose ..... 3 g
Water s.q.m ..... 100 ml
pH: 7,4

Order code	Package	Units/Box st.
255281.1210	500 ml	6

Fixing for fast staining (Panoptic No. 1) DC

for microscopy, blood smear staining or medullary smear staining
NC: 3822 00 00 UN: 1992
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F T R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45
1l~0,791kg 1kg~1,264l
Composition:
Crystal Violet ..... 2 mg
Methanol s.q.m. ..... 1000 ml

Order code	Package	Units/Box st.
254101.1210	500 ml	6
254101.1212	2,5 l	4

Fixing B-5 DC

for microscopy
NC: 3822 00 00 UN: 2810
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:

T+ N R: 26/27/28-33-51 S: 13-28a-45-61
1l~1,051kg 1kg~0,951l
Composition:
Mercury(II) Chloride ..... 6 g
Sodium Acetate 3-hydrate ..... 2,06 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
253500.1211	1000 ml	6

Fluoboric Acid

(see Tetrafluoroboric Acid)

Fluorene, 98% PS

$C_{13}H_{10}$

M: 166,22 CAS: 86-73-7 EINECS: 201-695-5 NC: 2902 90 90

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.
Melting range ..... 114-116°C

Order code	Package	Units/Box st.
15B686.1206	25 g	6
15B686.1208	100 g	6
15B686.1210	500 g	6

9-Fluorenylmethanol, 99% PS

$C_{14}H_{12}O$

M: 196,24 CAS: 24324-17-2 EINECS: 246-167-5 NC: 2906 29 00

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
15A456.1605	10 g	6
15A456.1607	50 g	6

(9-Fluorenylmethoxycarbonyl)

(see Fmoc derivatives)

N-(9-Fluorenylmethoxycarbonyloxy) Succinimide, 98% PS

$C_{19}H_{15}NO_5$

M: 337,33 CAS: 82911-69-1 NC: 2925 19 95

HAZARDOUS:

Xi **R: 36/37/38 S: 24/25**

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A457.1604	5 g	6
15A457.1606	25 g	6

Fluorescein (C.I. 45350) PA

adsorption indicator

$C_{20}H_{12}O_5$

M: 332,32 CAS: 2321-07-5 EINECS: 219-031-8 NC: 3204 12 00

SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS in NaOH 0,1 mol/l ..... 487-491 nm
A 1%, 1 cm, λmax ..... >2200
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Sensitivity as Br reagent ..... p/t.
Suitability as adsorption indicator ..... p/t.

Order code	Package	Units/Box st.
121832.1606	25 g	6
121832.1608	100 g	6
121832.1609	250 g	6

Fluorescein Complexone

(see Calcein)

Fluorescein Sodium (C.I. 45350) PA

adsorption indicator

$C_{20}H_{10}Na_2O_5$

M: 376,30 CAS: 518-47-8 EINECS: 208-253-0 NC: 3204 12 00

SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 488-490 nm
A 1%, 1 cm, λmax ..... >1750
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Acriflavine ..... p/t.
Reagent sensitivity to Br ..... p/t.

Order code	Package	Units/Box st.
122389.1606	25 g	6
122389.1608	100 g	6
122389.1609	250 g	6

Fluorexone

(see Calcein)

FLUORIDE SOLUTIONS

(see Standards for Atomic Absorption and Ionic Chromatography)

2-Fluoroacetamide, 98% PS

C_2H_4FNO

M: 77,06 CAS: 640-19-7 EINECS: 211-363-1 NC: 2924 19 00

HAZARDOUS:

T+ **R: 24-28 S: 36/37-45**

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B410.1603	1 g	6
15B410.1604	5 g	6

2'-Fluoroacetanilide, 98% PS

C_8H_8FNO

M: 153,16 CAS: 399-31-5 EINECS: 206-916-9 NC: 2924 29 95

HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B415.1604	5 g	6
15B415.1606	25 g	6

3'-Fluoroacetanilide, 98% PS

C_8H_8FNO

M: 153,16 CAS: 351-28-0 EINECS: 206-509-6 NC: 2924 29 95

HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B416.1604	5 g	6
15B416.1606	25 g	6

4'-Fluoroacetanilide, 98% PS

C_8H_8FNO

M: 153,15 CAS: 351-83-7 EINECS: 206-515-9 NC: 2924 29 95

HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B417.1606	25 g	6
15B417.1608	100 g	6

2'-Fluoroacetophenone, 97% PS

C_8H_7FO

M: 138,14 CAS: 445-27-2 EINECS: 207-156-0 NC: 2914 39 00

HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

1l~1,137kg 1kg~0,880l

SPECIFICATIONS:

Assay ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B344.1604	5 ml	6
15B344.1606	25 ml	6

3'-Fluoroacetophenone, 98% PS

C_8H_7FO

M: 138,14 CAS: 455-36-7 EINECS: 207-245-4 NC: 2914 39 00

HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

1l~1,126kg 1kg~0,888l

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B345.1604	5 ml	6
15B345.1606	25 ml	6

4'-Fluoroacetophenone, 98% PS

C_8H_7FO

M: 138,14 CAS: 403-42-9 EINECS: 206-960-9 NC: 2914 39 00

HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

1l~1,14kg 1kg~0,877l

SPECIFICATIONS:

Assay ..... 98 %

Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B346.1606	25 ml	6
15B346.1608	100 ml	6

2-Fluoroaniline, 99% PS

C_6H_6FN

M: 111,12 CAS: 348-54-9 EINECS: 206-478-9 NC: 2921 42 10 UN: 2941

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618

HAZARDOUS:

Xn **R: 22-36/38 S: 26**

1l~1,152kg 1kg~0,868l

SPECIFICATIONS:

Assay ..... 99 %

Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B232.1606	25 ml	6
15B232.1608	100 ml	6

3-Fluoroaniline, 99% PS

C_6H_6FN

M: 111,12 CAS: 372-19-0 EINECS: 206-747-0 NC: 2921 42 10 UN: 2941

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618

HAZARDOUS:

Xi **R: 36/38 S: 26**

1l~1,16kg 1kg~0,86l

SPECIFICATIONS:

Assay ..... 99 %

Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B233.1606	25 ml	6
15B233.1608	100 ml	6

4-Fluoroaniline, 99% PS

C_6H_6FN

M: 111,12 CAS: 371-40-4 EINECS: 206-735-5 NC: 2921 42 10 UN: 2941

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618

HAZARDOUS:

Xn **R: 22-36/38 S: 26**

1l~1,173kg 1kg~0,853l

SPECIFICATIONS:

Assay ..... 99 %

Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B234.1607	50 ml	6
15B234.1609	250 ml	6

3-Fluoro-p-Anisaldehyde

(see 3-Fluoro-4-Methoxybenzaldehyde)

2-Fluoroanisole, 99% PS

C_7H_7FO

M: 126,13 CAS: 321-28-8 EINECS: 206-284-4 NC: 2909 30 90 UN: 1993

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

R: 10

1l~1,124kg 1kg~0,890l

SPECIFICATIONS:

Assay ..... 99 %

Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B241.1606	25 ml	6
15B241.1608	100 ml	6

3-Fluoroanisole, 99% PS

C_7H_7FO

M: 126,1 CAS: 456-49-5 EINECS: 207-267-4 NC: 2909 30 90 UN: 1993

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

R: 10 S: 16

1l~1,104kg 1kg~0,906l

SPECIFICATIONS:

Assay ..... 99 %

Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B406.1606	25 ml	6
15B406.1608	100 ml	6

5-Fluoroanthranilic Acid

(see 2-Amino-5-Fluorobenzoic Acid)

2-Fluorobenzaldehyde, 97% PS

C_7H_5FO

M: 124,11 CAS: 446-52-6 EINECS: 207-171-2 NC: 2913 00 00 UN: 1989

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xn **R: 10-22-38 S: 16-26-37/39**

1l~1,178kg 1kg~0,849l

SPECIFICATIONS:

Assay ..... 97 %

Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B282.1606	25 ml	6
15B282.1608	100 ml	6

3-Fluorobenzaldehyde, 99% PS

C_7H_5FO

M: 124,12 CAS: 456-48-4 EINECS: 207-266-9 NC: 2913 00 00 UN: 1989

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xn **R: 22-38 S: 37/39**

1l~1,17kg 1kg~0,85l

SPECIFICATIONS:

Assay ..... 99 %

Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B283.1605	10 ml	6
15B283.1607	50 ml	6

4-Fluorobenzaldehyde, 99% PS

C_7H_5FO

M: 124,12 CAS: 459-57-4 EINECS: 207-293-6 NC: 2913 00 00 UN: 1989

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xi **R: 38**

1l~1,176kg 1kg~0,850l

SPECIFICATIONS:

Assay ..... 99 %

Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B284.1607	50 ml	6
15B284.1609	250 ml	6

2-Fluorobenzoic Acid, 98% PS

$C_7H_5FO_2$

M: 140,12 CAS: 445-29-4 EINECS: 207-158-1 NC: 2916 39 00

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A961.1606	25 g	6
15A961.1608	100 g	6

2-Fluorobenzonitrile, 98% PS

C_7H_4FN

M: 121,11 CAS: 394-47-8 EINECS: 206-897-7 NC: 2926 90 95

1l~1,138kg 1kg~0,879l

SPECIFICATIONS:

Assay ..... 98 %

Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B294.1604	5 ml	6
15B294.1606	25 ml	6

3-Fluorobenzonitrile, 98% PS

C_7H_4FN

M: 121,11 CAS: 403-54-3 EINECS: 206-963-5 NC: 2926 90 95

HAZARDOUS:

Xn

R: 20/21/22-36/37/38 S: 26-36/37/39

1l~1,133kg 1kg~0,883l

SPECIFICATIONS:

Assay ..... 98 %

Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B295.1604	5 ml	6
15B295.1606	25 ml	6

4-Fluorobenzonitrile, 99% PS

C_7H_4FN

M: 121,11 CAS: 1194-02-1 EINECS: 214-784-9 NC: 2926 90 95

SPECIFICATIONS:

Assay ..... 99 %

Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B296.1604	5 g	6
15B296.1606	25 g	6

2-Fluorobenzoyl Chloride, 98% PS

C_7H_4ClFO

M: 158,56 CAS: 393-52-2 EINECS: 206-887-2 NC: 2916 39 00 UN: 1760

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

C

R: 34 S: 26-36/37/39-45

1l~1,331kg 1kg~0,751l

SPECIFICATIONS:

Assay ..... 98 %

Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B371.1606	25 ml	6
15B371.1608	100 ml	6

3-Fluorobenzoyl Chloride, 98% PS

C_7H_4ClFO

M: 158,56 CAS: 1711-07-5 EINECS: 216-977-3 NC: 2916 39 00 UN: 3265

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

C

R: 34 S: 26-36/37/39-45

1l~1,304kg 1kg~0,767l

SPECIFICATIONS:

Assay ..... 98 %

Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B372.1604	5 ml	6
15B372.1606	25 ml	6

2-Fluorobenzylamine, 97% PS

C_7H_8FN

M: 125,14 CAS: 89-99-6 EINECS: 201-957-9 NC: 2921 49 80 UN: 1719

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821

HAZARDOUS:

C

R: 34 S: 26-27-36/37/39-45

1l~1,095kg 1kg~0,913l

SPECIFICATIONS:

Assay ..... 97 %

Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B389.1603	1 ml	6
15B389.1605	10 ml	6

3-Fluorobenzylamine, 97% PS

C_7H_8FN

M: 125,14 CAS: 100-82-3 EINECS: 202-891-3 NC: 2921 49 80 UN: 1719

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821

HAZARDOUS:

C

R: 34 S: 23a-26-36/37/39-45

1l~1,097kg 1kg~0,912l

SPECIFICATIONS:

Assay ..... 97 %

Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B390.1603	1 ml	6
15B390.1604	5 ml	6

4-Fluorobenzylamine, 97% PS

C_7H_8FN

M: 125,15 CAS: 140-75-0 EINECS: 205-430-4 NC: 2921 49 80 UN: 1719

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821

HAZARDOUS:

C

R: 34 S: 36/39

1l~1,095kg 1kg~0,913l

SPECIFICATIONS:

Assay ..... 97 %

Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B391.1604	5 ml	6
15B391.1606	25 ml	6

2-Fluorobenzyl Bromide, 98% PS

C_7H_6BrF

M: 189,02 CAS: 446-48-0 EINECS: 207-169-1 NC: 2903 69 90 UN: 3265

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

C

R: 34 S: 26-36/37/39-45

1l~1,567kg 1kg~0,638l

SPECIFICATIONS:

Assay ..... 98 %

Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B355.1604	5 ml	6
15B355.1606	25 ml	6

3-Fluorobenzyl Bromide, 98% PS

C_7H_6BrF

M: 189,03 CAS: 456-41-7 EINECS: 207-263-2 NC: 2903 69 90 UN: 3265

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

Xi

R: 36/37/38 S: 26-36

1l~1,546kg 1kg~0,647l

SPECIFICATIONS:

Assay ..... 98 %

Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B356.1604	5 ml	6
15B356.1606	25 ml	6

4-Fluorobenzyl Bromide, 97% PS

C_7H_6BrF

M: 189,02 CAS: 459-46-1 EINECS: 207-291-5 NC: 2903 69 90 UN: 3265

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

C

R: 34 S: 26-36/37/39-45

1l~1,517kg 1 kg~0,659l

SPECIFICATIONS:

Assay ..... 97 %

Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B357.1604	5 ml	6
15B357.1606	25 ml	6

2-Fluorobenzyl Chloride, 98% PS

C_7H_6ClF

M: 144,58 CAS: 345-35-7 EINECS: 206-460-0 NC: 2903 69 90 UN: 2920

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

C

R: 34 S: 26-45-36/37/39

1l~1,216kg 1kg~0,822l

SPECIFICATIONS:

Assay ..... 98 %

Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B352.1606	25 ml	6
15B352.1608	100 ml	6

3-Fluorobenzyl Chloride, 97% PS

C_7H_6ClF

M: 144,58 CAS: 456-42-8 EINECS: 207-264-8 NC: 2903 69 90 UN: 2920
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C

R: 34 S: 26-36/37/39-45
1l~1,213kg 1kg~0,824l
SPECIFICATIONS:
Assay ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B353.1604	5 ml	6
15B353.1606	25 ml	6

4-Fluorobenzyl Chloride, 99% PS

C_7H_6ClF

M: 144,58 CAS: 352-11-4 EINECS: 206-516-4 NC: 2903 69 90 UN: 2920
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C

R: 34 S: 26-36/37/39-45
1l~1,212kg 1kg~0,825l
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B354.1606	25 ml	6
15B354.1608	100 ml	6

4-Fluorocinnamic Acid, 98% PS

C_9H_7FO

M: 166,15 CAS: 459-32-5 EINECS: 207-288-9 NC: 2916 39 00
HAZARDOUS:

Xi

R: 36/37/38 S: 26-37/39
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A352.1604	5 g	6
15A352.1606	25 g	6

3'-Fluoro-4'-Methoxyacetophenone, 99% PS

$C_9H_9FO_2$

M: 168,17 CAS: 455-91-4 EINECS: 207-253-8 NC: 2914 50 00
HAZARDOUS:

Xi

R: 36/37/38 S: 26-37/39
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C057.1603	1 g	6
15C057.1604	5 g	6

3-Fluoro-4-Methoxybenzaldehyde, 98% PS

$C_8H_7FO_2$

M: 154,14 CAS: 351-54-2 EINECS: 206-514-3 NC: 2913 00 00
HAZARDOUS:

Xi

R: 36/37/38 S: 26-37/39
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C079.1603	1 g	6
15C079.1604	5 g	6

1-Fluoro-2-Nitrobenzene, 99% PS

$C_6H_4FNO_2$

M: 141,10 CAS: 1493-27-2 EINECS: 216-088-0 NC: 2904 90 85
HAZARDOUS:

Xi

R: 36 S: 23a-24
1l~1,335kg 1kg~0,749l
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B585.1607	50 ml	6
15B585.1609	250 ml	6

1-Fluoro-4-Nitrobenzene, 99% PS

$C_6H_4FNO_2$

M: 141,10 CAS: 350-46-9 EINECS: 206-502-8 NC: 2904 90 85 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn

R: 20-36 S: 24
1l~1,329kg 1kg~0,752l
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B516.1608	100 ml	6
15B516.1610	500 ml	6

o-Fluoronitrobenzene

(see 1-Fluoro-2-Nitrobenzene)

p-Fluoronitrobenzene

(see 1-Fluoro-4-Nitrobenzene)

3-Fluorophenol, 99% PS

C_6H_5FO

M: 112,10 CAS: 372-20-3 EINECS: 206-748-6 NC: 2908 19 00 UN: 2810
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:

Xi

R: 36/38 S: 36/37
1l~1,240kg 1kg~0,806l
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B272.1605	10 ml	6
15B272.1607	50 ml	6

N-(4-Fluorophenyl) Acetamide

(see 4'-Fluoroacetanilide)

1-(2-Fluorophenyl) Ethanone

(see 2'-Fluoroacetophenone)

2-Fluorophenylhydrazinium Chloride, 97% PS

$C_6H_7FN_2 \cdot HCl$

M: 162,60 CAS: 2924-15-4 EINECS: 220-885-9 NC: 2928 00 90 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn

R: 20/21/22-36/37/38 S: 26-36/37/39
SPECIFICATIONS:
Assay ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B382.1604	5 g	6
15B382.1606	25 g	6

3-Fluorophenylhidrazinium Chloride, 97% PS

$C_6H_7FN_2 \cdot HCl$

M: 162,60 CAS: 2924-16-5 EINECS: 220-886-4 NC: 2928 00 90 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn

R: 20/21/22-36/37/38 S: 26-36/37/39
SPECIFICATIONS:
Assay ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B383.1604	5 g	6
15B383.1605	10 g	6

4-Fluorophenylhydrazinium Chloride, 97% PS

$C_6H_7FN_2 \cdot HCl$

M: 162,59 CAS: 823-85-8 EINECS: 212-521-2 NC: 2928 00 90 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T N

R: 45-23/24/25-43-50/53 S: 53-45-60-61
SPECIFICATIONS:
Assay ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B384.1605	10 g	6
15B384.1607	50 g	6

4-Fluorothiophenol, 98% PS

C_6H_5FS

M: 128,16 CAS: 371-42-6 EINECS: 206-737-6 NC: 2930 90 85 UN: 1992
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xi **R: 10-36/37/38 S: 26-36**
1l~1,203kg 1kg~0,831l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B639.1605	10 ml	6
15B639.1606	25 ml	6

2-Fluorotoluene, 99% PS

C_7H_7F

M: 110,13 CAS: 95-52-3 EINECS: 202-428-5 NC: 2903 69 90 UN: 2388
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36/37/38 S: 16-24/25-36/37**
1l~1,004kg 1kg~0,996l
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B303.1608	100 ml	6
15B303.1610	500 ml	6

N-Fmoc-L-Alanine, 98% PS

$C_{18}H_{17}NO_4$

M: 311,83 CAS: 35661-39-3 EINECS: 252-660-6 NC: 2922 49 95
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15B097.1603	1 g	6
15B097.1604	5 g	6

N-α-Fmoc-L-Arginine, 98% PS

$C_{21}H_{24}N_4O_4$

M: 396,44 CAS: 91000-69-0 NC: 2922 49 95
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15B104.1603	1 g	6
15B104.1604	5 g	6

N-α-Fmoc-L-Asparagine, 98% PS

$C_{19}H_{18}N_2O_5$

M: 354,36 CAS: 71989-16-7 EINECS: 276-252-2 NC: 2922 49 95
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15B105.1604	5 g	6
15B105.1606	25 g	6

N-Fmoc-L-Aspartic Acid, 98% PS

$C_{19}H_{17}NO_6$

M: 355,35 CAS: 119062-05-4 NC: 2922 49 95
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15B106.1603	1 g	6
15B106.1604	5 g	6

N-α-Fmoc-L-Glutamine, 98% PS

$C_{20}H_{20}N_2O_5$

M: 368,38 CAS: 71989-20-3 EINECS: 276-254-3 NC: 2922 49 95
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15B107.1604	5 g	6
15B107.1606	25 g	6

N-Fmoc-Glycine, 98% PS

$C_{17}H_{15}NO_4$

M: 297,32 CAS: 29022-11-5 EINECS: 249-373-3 NC: 2922 49 95
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15B108.1603	1 g	6
15B108.1604	5 g	6

N-Fmoc-L-Isoleucine, 98% PS

$C_{21}H_{23}NO_4$

M: 353,41 CAS: 71989-23-6 EINECS: 276-255-9 NC: 2922 49 95
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15B109.1604	5 g	6
15B109.1606	25 g	6

N-Fmoc-L-Leucine, 98% PS

$C_{21}H_{23}NO_4$

M: 353,41 CAS: 35661-60-0 EINECS: 252-662-7 NC: 2922 49 95
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15B110.1604	5 g	6
15B110.1606	25 g	6

N-Fmoc-L-Methionine, 98% PS

$C_{20}H_{21}NO_4S$

M: 371,46 CAS: 71989-28-1 EINECS: 276-258-5 NC: 2922 49 95
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15B111.1603	1 g	6
15B111.1604	5 g	6

N-Fmoc-L-Phenylalanine, 98% PS

$C_{24}H_{21}NO_4$

M: 387,43 CAS: 35661-40-6 EINECS: 252-661-1 NC: 2922 49 95
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15B112.1604	5 g	6
15B112.1606	25 g	6

N-Fmoc-L-Proline, 98% PS

$C_{20}H_{19}NO_4$

M: 337,37 CAS: 71989-31-6 EINECS: 276-259-0 NC: 2922 49 95
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15B113.1604	5 g	6
15B113.1606	25 g	6

N-Fmoc-L-Serine, 98% PS

$C_{18}H_{17}NO_5$

M: 327,34 CAS: 73724-45-5 NC: 2922 49 95
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15B114.1604	5 g	6
15B114.1606	25 g	6

N-Fmoc-L-Threonine 1-hydrate, 98% PS

$C_{19}H_{19}NO_5.H_2O$

M: 359,38 CAS: 73731-37-0 NC: 2922 49 95
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15B115.1604	5 g	6

N-α-Fmoc-L-Tryptophan, 98% PS

$C_{26}H_{22}N_2O_4$

M: 426,47 CAS: 35737-15-6 EINECS: 252-70-65 NC: 2922 49 95
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15B116.1603	1 g	6
15B116.1604	5 g	6

N-Fmoc-L-Tyrosine, 98% PS

$C_{24}H_{21}NO_5$

M: 403,43 CAS: 92954-90-0 NC: 2922 49 95
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15B117.1603	1 g	6
15B117.1604	5 g	6

N-Fmoc-L-Valine, 98% PS

$C_{20}H_{21}NO_4$

M: 339,39 CAS: 68858-20-8 EINECS: 272-515-0 NC: 2922 49 95

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15B118.1603	1 g	6
15B118.1604	5 g	6

Folic Acid (USP, BP, Ph. Eur.) PRS-CODEX

$C_{19}H_{19}N_7O_6$

M: 441,40 CAS: 59-30-3 EINECS: 200-419-0 NC: 2936 29 10

SPECIFICATIONS:

Assay (HPLC) calc. a.a.s. ..... 98,0-102,0 %
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition (as SO_4) ..... 0,2 %
Related substances ..... p/t.
Organic volatile impurities ..... p/t.
Water (H_2O) ..... 5,0-8,5 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
14B216.1209	250 g	6

Folic Acid (F.C.C.) ADITIO

$C_{19}H_{19}N_7O_6$

M: 441,40 CAS: 59-30-3 EINECS: 200-419-0 NC: 2936 29 10

SPECIFICATIONS:

Assay (HPLC) calc. a.a.s. ..... 98,0-102,0 %
Ratio A_{256}/A_{365} 2,80-3,00
Residue on ignition, not more than ..... 0,3 %
Water (H_2O), not more than ..... 8,5 %
Lead, not more than ..... 2 ppm
Specifications F.C.C. 6

Order code	Package	Units/Box st.
20B216.1208	100 g	6
20B216.1211	1 kg	

Folic Acid, 97% PS

$C_{19}H_{19}N_7O_6$

M: 441,40 CAS: 59-30-3 EINECS: 200-419-0 NC: 2936 29 10

SPECIFICATIONS:

Assay ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B216.1605	10 g	6
15B216.1607	50 g	6

Folin's A Reagent cuprotartaric DC

for determination of amylasemie, galactose and glucose

NC: 3822 00 00

HAZARDOUS:

R: 52

1l~1,041kg 1kg~0,961l

Composition:
Sodium Carbonate 10-hydrate ..... 10,7 g
Tartaric Acid ..... 0,75 g
Copper(II) Sulphate 5-hydrate ..... 0,45 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
251565.1609	250 ml	6

Folin's B Reagent phosphotungstic-molybdic DC

for determination of amylasemie, galactose and glucose

NC: 3822 00 00

1l~1,269kg 1kg~0,788l

Composition:
Molybdic Acid 85% ..... 7 g
Sodium Tungstate 2-hydrate ..... 1 g
Sodium Hydroxide pellets ..... 4 g
orto-Phosphoric Acid 85% ..... 25 ml
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
251566.1609	250 ml	6

Folin-Ciocalteu's Reagent DC

phenol reagent

NC: 3822 00 00

1l~1,234kg 1kg~0,810l

Composition:
Sodium Tungstate 2-hydrate ..... 10 g
Sodium Molybdate 2-hydrate ..... 2,5 g
ortho-Phosphoric Acid 85% ..... 5 ml
Hydrochloric Acid 35% ..... 10 ml
Lithium Sulphate 1-hydrate ..... 15 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
251567.1609	250 ml	6

Folin-Ciocalteu's Reagent VINIKIT

phenol reagent

NC: 3822 00 00

1l~1,234kg 1kg~0,810l

Composition:
Sodium Tungstate 2-hydrate ..... 10 g
Sodium Molybdate 2-hydrate ..... 2,5 g
ortho-Phosphoric Acid 85% ..... 5 ml
Hydrochloric Acid 35% ..... 10 ml
Lithium Sulphate 1-hydrate ..... 15 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
621567.1609	250 ml	6

Folin-Denis' Reagent DC

for determination of uric acid

NC: 3822 00 00

HAZARDOUS:

Xi

R: 36/38 S: 26

1l~1,137kg 1kg~0,879l

Composition:
Sodium Tungstate 2-hydrate ..... 10 g
ortho-Phosphoric Acid 85% ..... 8 ml
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
251568.1609	250 ml	6

Formaldehyde 37-38% w/w stabilized with methanol PA-ACS

CH_2O

M: 30,03 CAS: 50-00-0 EINECS: 200-001-8 NC: 2912 11 00 UN: 2209

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

T

R: 23/24/25-34-40-43 S: 26-36/37/39-45-51 CE: 605-001-00-5

1l~1,08kg 1kg~0,93l

SPECIFICATIONS:

Assay (Acidim.) ..... 36,5-38,0 %

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Insoluble matter in H_2O ..... p/t.
Residue on ignition (as SO_4) ..... 0,005 %
Acidity ..... 0,006 meq/g
Methanol (G.C.)v/v ..... 9,0-14,0 %
Chloride (Cl) ..... 0,0005 %
Sulphate (SO_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %

Metals by ICP [mg/Kg (ppm)]

Ag	1	Fe	1	Pb	1
Al	1	Ga	1	Pt	1
As	1	Ge	1	S	1
Au	1	Hg	1	Sb	1
B	1	In	1	Si	1
Ba	1	K	10	Sn	1
Be	1	Li	1	Sr	1
Bi	1	Mg	1	Ti	1
Ca	5	Mn	1	Tl	1
Cd	1	Mo	1	V	1
Co	1	Na	10	Zn	1
Cr	1	Ni	1	Zr	1
Cu	1	P	1		

Order code	Package	Units/Box st.
131328.1211	1000 ml	6
131328.1212	2,5 l	4
131328.1214	5 l	4
131328.0716	25 l	
131328.0718	60 l	

Formaldehyde 37-38% w/w stabilized with methanol (RFE, USP, BP, Ph. Eur.) PRS-CODEX

CH_2O

M: 30,03 CAS: 50-00-0 EINECS: 200-001-8 NC: 2912 11 00 UN: 2209
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:

T

R: 23/24/25-34-40-43 S: 26-36/37/39-45-51 CE: 605-001-00-5
1l~1,08kg 1kg~0,93l
SPECIFICATIONS:
Assay (Acidim.) ..... 37,0-38,0 %
Identity according to Pharmacopoeias ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Residue on ignition (as SO_4) ..... 0,05 %
Residual solvents (Ph.Eur./USP) ..... p/t
Acidity ..... p/t.
Methanol (G.C.)(v/v) ..... 9,0-15,0 %
Chloride (Cl) ..... 0,003 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141328.1211	1000 ml	6
141328.1212	2,5 l	4
141328.1214	5 l	4
141328.0716	25 l	
141328.0718	60 l	
141328.0719	200 l	

Formaldehyde 35-40% w/v stabilized with methanol QP

CH_2O

M: 30,03 CAS: 50-00-0 EINECS: 200-001-8 NC: 2912 11 00 UN: 2209
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:

T

R: 23/24/25-34-40-43 S: 26-36/37/39-45-51 CE: 605-001-00-5
1l~1,08kg 1kg~0,93l
SPECIFICATIONS:
Assay (Acidim.) ..... 35-40 %
Methanol (G.C.) v/v ..... 9-14 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
Fe ..... 0,002 %

Order code	Package	Units/Box st.
211328.1211	1000 ml	6
211328.1214	5 l	4
211328.0716	25 l	
211328.0718	60 l	
211328.0719	200 l	

Formaldehyde 30-36% w/v concentrated buffered to pH=7 stabilized with methanol DC

for histology
CH_2O

M: 30,03 CAS: 50-00-0 EINECS: 200-001-8 NC: 2912 11 00 UN: 2209
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:

T

R: 23/24/25-34-40-43 S: 26-36/37/39-45-51 CE: 605-001-00-5
1l~1,08kg 1kg~0,93l
SPECIFICATIONS:
Assay (Iodom.) ..... 30-36 %
pH 6,8-7,2

Order code	Package	Units/Box st.
253572.1211	1000 ml	6
253572.1212	2,5 l	4
253572.1214	5 l	4
253572.0716	25 l	

Formaldehyde solution 10% neutralized, stabilized with methanol PRS

CH_2O

M: 30,03 CAS: 50-00-0 EINECS: 200-001-8 NC: 2912 11 00
HAZARDOUS:

Xn

R: 20/21/22-36/37/38-40-43 S: 26-36/37/39-51 CE: 605-001-00-5
1l~1,028kg 1kg~0,973l
SPECIFICATIONS:
Assay (Iodom.) ..... 10 %

Order code	Package	Units/Box st.
143091.1214	5 l	4
143091.0716	25 l	

Formaldehyde 3,7-4,0% buffered to pH=7 and stabilized with methanol DC

for histology
CH_2O

M: 30,03 CAS: 50-00-0 EINECS: 200-001-8 NC: 2912 11 00
HAZARDOUS:

Xn

R: 40-43 S: 26-45 CE: 605-001-00-5
1l~1,019kg 1kg~0,981l
SPECIFICATIONS:
Assay (Iodom.) ..... 3,7-4,0 %
pH 6,8-7,2
Methanol (w/v) ..... 1 - 1,5 %

Order code	Package	Units/Box st.
252931.0922	48 x 20 ml	6
252931.1211	1000 ml	6
252931.1212	2,5 l	4
252931.1214	5 l	4
252931.1315	10 l	(*)
252931.0716	25 l	
252931.0718	60 l	

p-Formaldehyde

(see Paraformaldehyde)

Formaldehyde Dimethylacetal , 98% PS

$CH_3OCH_2OCH_3$

M: 76,10 CAS: 109-87-5 EINECS: 203-714-2 NC: 2911 00 00 UN: 1234
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn

R: 11-43 S: 9-16-23c-24/25-37
1l~0,858kg 1kg~1,165l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,858-0,860
Water (H_2O) ..... 0,3 %

Order code	Package	Units/Box st.
15A798.1611	1000 ml	6

Formaldehyde Ethylene Acetal

(see 1,3-Dioxolane)

Formaldehyde Sodium Sulphoxylate

(see Sodium Formaldehyde Sulphoxylate x-hydrate)

Formaldehyde Sulphoxylate Sodium Salt

(see Sodium Formaldehyde Sulphoxylate x-hydrate)

Formaldehyde, Substitute of

(see Histofix)

Formaline

(see Formaldehyde)

PANREAC SINTESIS

Intermedios para síntesis
Synthesis intermediates
Intermédiaires de synthèse

(*) Sol-Pack pack with tap

Formamide PA-ACS

$HCONH_2$

M: 45,04 CAS: 75-12-7 EINECS: 200-842-0 NC: 2924 19 00

HAZARDOUS:

T

R: 61 S: 53-45 CE: 616-052-00-8

1l~1,134kg 1kg~0,882l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 1,132-1,135
Freezing point ..... 2,0-3,0°C

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Formic Acid (HCOOH) ..... 0,02 %
Water (H_2O) ..... 0,1 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,5	Ga	0,5	Pt	0,5
Al	0,5	Ge	0,5	S	0,5
Au	0,5	Hg	0,5	Sb	0,5
B	0,5	In	0,5	Si	0,5
Ba	0,5	K	20	Sn	5
Be	0,5	Li	0,5	Sr	0,5
Bi	0,5	Mg	1	Ti	0,5
Ca	5	Mn	1	Tl	0,5
Cd	1	Mo	0,5	V	0,5
Co	1	Na	20	Zn	1
Cr	1	Ni	1	Zr	0,5
Cu	1	P	0,5		
Fe	1	Pb	1		

Order code	Package	Units/Box st.
131956.1611	1000 ml	6
131956.1612	2,5 l	4

Formamide PRS

$HCONH_2$

M: 45,04 CAS: 75-12-7 EINECS: 200-842-0 NC: 2924 19 00

HAZARDOUS:

T

R: 61 S: 53-45 CE: 616-052-00-8

1l~1,134kg 1kg~0,882l

SPECIFICATIONS:

Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,132-1,135
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,2 %
Methanol (G.C.) ..... 0,2 %
Formic Acid (HCOOH) ..... 0,02 %
Water (H_2O) ..... 0,3 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
141956.1211	1000 ml	6
141956.1214	5 l	4
141956.0716	25 l	

Formamide, 98% PS

$HCONH_2$

M: 45,04 CAS: 75-12-7 EINECS: 200-842-0 NC: 2924 19 00

HAZARDOUS:

T

R: 61 S: 53-45 CE: 616-052-00-8

1l~1,134kg 1kg~0,882l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR s/e.
Density at 20/4 1,132-1,135
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
161956.1211	1000 ml	6
161956.1214	5 l	4

Formamide AQUAMETRIC KF dry RV

for volumetric Karl Fischer titrations

$HCONH_2$

M: 45,04 CAS: 75-12-7 EINECS: 200-842-0 NC: 2924 19 00

HAZARDOUS:

T

R: 61 S: 53-45 CE: 616-052-00-8

1l~1,134kg 1kg~0,882l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Density at 20/4 1,132-1,135

MAXIMUM LIMIT OF IMPURITIES

Water (H_2O) ..... 0,03 %

Order code	Package	Units/Box st.
281956.1611	1000 ml	6

Formamidinium Acetate, 99% PS

$C_3H_8N_2O_2$

M: 104,11 CAS: 3473-63-0 EINECS: 222-442-5 NC: 2925 19 95

HAZARDOUS:

Xi

R: 36/37/38 S: 26-36

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B687.1208	100 g	6
15B687.1210	500 g	6

Formic Acid 98% PA-ACS

HCOOH

M: 46,03 CAS: 64-18-6 EINECS: 200-579-1 NC: 2915 11 00 UN: 1779

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

C

R: 35 S: 23c-26-45 CE: 607-001-00-0

1l~1,22kg 1kg~0,82l

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 98,0 %

MAXIMUM LIMIT OF IMPURITIES

APHA colour 15
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,003 %
Acetic Acid (CH_3COOH) ..... 0,4 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,003 %
Sulphite (SO_3) ..... 0,001 %
Ammonium (NH_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,02	Fe	0,1	Pb	0,02
Al	0,05	Ga	0,05	Pt	0,1
Au	0,1	Ge	0,02	Sb	0,02
B	0,05	Hg	0,1	Si	0,1
Ba	0,05	In	0,05	Sn	0,05
Be	0,02	K	0,1	Sr	0,02
Bi	0,05	Li	0,02	Ti	0,05
Ca	0,5	Mg	0,5	Tl	0,02
Cd	0,05	Mn	0,05	V	0,02
Co	0,02	Mo	0,02	Zn	0,05
Cr	0,02	Na	1	Zr	0,05
Cu	0,02	Ni	0,05		

Order code	Package	Units/Box st.
131030.1611	1000 ml	6
131030.1612	2,5 l	4
131030.1214	5 l	4

aditio

Aditivos alimentarios
Food chemicals
Additifs alimentaires

Formic Acid 98% PRS

HCOOH

M: 46,03 CAS: 64-18-6 EINECS: 200-579-1 NC: 2915 11 00 UN: 1779
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C

R: 35 S: 23c-26-45 CE: 607-001-00-0

1l~1,22kg 1kg~0,82l

SPECIFICATIONS:

Assay (Acidim.) ..... 98 %
Non-volatile matter ..... 0,01 %
Chloride (Cl) ..... 0,002 %
Ammonium (NH_4) ..... 0,01 %
Sulphate (SO_4) ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141030.1611	1000 ml	6
141030.1612	2,5 l	4
141030.1214	5 l	4
141030.0716	25 l	
141030.0718	60 l	

Formic Acid 98% (F.C.C.) ADITIO

HCOOH

M: 46,03 CAS: 64-18-6 EINECS: 200-579-1 NC: 2915 11 00 UN: 1779
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C

R: 35 S: 23c-26-45 CE: 607-001-00-0

1l~1,22kg 1kg~0,82l

SPECIFICATIONS:

Assay (as CH_2O_2), not less than ..... 98,0 %
Acetic Acid, not more than ..... 0,4 %
Oxalic Acid, not more than ..... 0,5 %
Non-volatile residue, not more than ..... 0,05 %
Specific weight at 20°C 1,216-1,220
Aldehydes ..... p/t.
Dilution test ..... p/t.
Formaldehyde, not more than ..... 0,1 %
Heavy metals (as Pb), not more than ..... 10 ppm
Chloride (Cl), not more than ..... 50 ppm
Sulphate, not more than ..... 0,004 %
Sulphite ..... p/t.
Specifications Dir.76/463/CEE, F.C.C. 6

Order code	Package	Units/Box st.
201030.1214	5 l	4

Formic Acid 85% PA

HCOOH

M: 46,03 CAS: 64-18-6 EINECS: 200-579-1 NC: 2915 11 00 UN: 1779
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C

R: 34 S: 23c-26-45 CE: 607-001-00-0

1l~1,20kg 1kg~0,83l

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 85,0 %

MAXIMUM LIMIT OF IMPURITIES

APHA colour 15
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,002 %
Acetic Acid (CH_3COOH) ..... 0,4 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,002 %
Sulphite (SO_3) ..... 0,001 %
Ammonium (NH_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,0005 %

Metals by ICP [mg/Kg (ppm)]

Ag 0,02	Fe 0,1	Pb 0,02
Al 0,05	Ga 0,05	Pt 0,1
Au 0,1	Ge 0,02	Sb 0,02
B 0,05	Hg 0,1	Si 0,1
Ba 0,05	In 0,05	Sn 0,05
Be 0,02	K 0,1	Sr 0,02
Bi 0,05	Li 0,02	Ti 0,05
Ca 0,5	Mg 0,5	Tl 0,02
Cd 0,05	Mn 0,05	V 0,02
Co 0,02	Mo 0,02	Zn 0,05
Cr 0,02	Na 1	Zr 0,05
Cu 0,02	Ni 0,05	

Order code	Package	Units/Box st.
121029.1611	1000 ml	6
121029.1612	2,5 l	4
121029.1214	5 l	4
121029.0716	25 l	

Formic Acid 85% PRS

HCOOH

M: 46,03 CAS: 64-18-6 EINECS: 200-579-1 NC: 2915 11 00 UN: 1779
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C

R: 34 S: 23c-26-45 CE: 607-001-00-0

1l~1,20kg 1kg~0,83l

SPECIFICATIONS:

Assay (Acidim.) ..... 85 %
Non-volatile matter ..... 0,01 %
Chloride (Cl) ..... 0,002 %
Ammonium (NH_4) ..... 0,01 %
Sulphate (SO_4) ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141029.1611	1000 ml	6
141029.1612	2,5 l	4
141029.1214	5 l	4
141029.0716	25 l	

Formic Acid 85% (F.C.C.) ADITIO

HCOOH

M: 46,03 CAS: 64-18-6 EINECS: 200-579-1 NC: 2915 11 00 UN: 1779
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C

R: 34 S: 23c-26-45 CE: 607-001-00-0

1l~1,20kg 1kg~0,83l

SPECIFICATIONS:

Assay (as CH_2O_2), not less than ..... 85,0 %
Acetic Acid, not more than ..... 0,4 %
Oxalic Acid, not more than ..... 0,5 %
Non-volatile residue, not more than ..... 0,05 %
Aldehydes ..... p/t.
Dilution test ..... p/t.
Formaldehyde, not more than ..... 0,1 %
Heavy metals (as Pb), not more than ..... 10 ppm
Chloride (Cl), not more than ..... 50 ppm
Sulphate, not more than ..... 0,004 %
Sulphite ..... p/t.
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201029.1214	5 l	4

Formic Acid Amide

(see Formamide)

Formic Acid Dimethylamide

(see N,N-Dimethylformamide)

Formol

(see Formaldehyde)

3-Formylbenzonitrile

(see 3-Cyanobenzaldehyde)

2-Formylpyrrole

(see Pyrrole-2-Carboxaldehyde)

Fried Oils Kit

(see OXI-OLEO-TEST)

D(-)-Fructose PB

$C_6H_{12}O_6$

M: 180,16 CAS: 57-48-7 EINECS: 200-333-3 NC: 1702 50 00

SPECIFICATIONS:

Assay (as $C_6H_{12}O_6$) 98,0-103,0%
Identity....IR p/t.
Specific rotation $[\alpha]^{20}$/D c=10 (in H_2O) .... -90,0 to-93,5°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O....0,005 %
Residue on ignition (as SO_4)....0,1 %
Water (H_2O)....0,5 %
ABS at λ260 nm 0,1 mol/l sol. in H_2O....0,04
ABS at λ280 nm 0,1 mol/l sol. in H_2O....0,04
Chloride (Cl)....0,005 %
Sulphate and sulphite (as SO_4)....0,005 %
Heavy metals (as Pb)....0,0005 %
As ....0,0001 %
Ba ....0,005 %
Ca ....0,002 %
Cd ....0,0005 %
Co ....0,0005 %
Cr ....0,0005 %
Cu ....0,0005 %
Fe....0,0005 %
Mg ....0,002 %
Mn ....0,0005 %
Ni ....0,0005 %
Pb ....0,0005 %
Zn ....0,0005 %

Order code	Package	Units/Box st.
372728.1208	100 g	6
372728.1209	250 g	6

D(-)-Fructose (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_6H_{12}O_6$

M: 180,16 CAS: 57-48-7 EINECS: 200-333-3 NC: 1702 50 00

SPECIFICATIONS:

Assay (as $C_6H_{12}O_6$) 98,0-102,0%
Identity according to Pharmacopoeias .... p/t.
Specific rotation $[\alpha]^{20}$/D c=10 (in H_2O) calc. a.d.s .... -91,0 to-93,5°

MAXIMUM LIMIT OF IMPURITIES

Appearance and colour of solution .... p/t.
Loss on drying at 70°C....0,5 %
Residue on ignition (as SO_4)....0,1 %
Residual solvents (Ph.Eur./USP).... p/t.
Acidity.... p/t.
Foreign sugars.... p/t.
Hydroxymethylfurfural and related compounds.... p/t.
Water (H_2O)....0,5 %
Chloride (Cl)....0,005 %
Sulphate (SO_4)....0,005 %
Calcium and Magnesium (as Ca)....0,005 %
Heavy metals (as Pb)....0,0005 %
As ....0,0001 %
Ba .... p/t.
Ca ....0,002 %
Cu ....0,001 %
Fe....0,001 %
Mg ....0,002 %
Ni ....0,001 %
Pb ....0,00005 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142728.1210	500 g	6
142728.1211	1000 g	6
142728.1214	5 kg	4

D(-)-Fructose (F.C.C.) ADITIO

$C_6H_{12}O_6$

M: 180,16 CAS: 57-48-7 EINECS: 200-333-3 NC: 1702 50 00

SPECIFICATIONS:

Assay (as $C_6H_{12}O_6$) after drying 98,0-102,0%
Arsenic (as As), not more than .... 1 ppm
Lead, not more than .... 0,1 ppm
Chloride, not more than....0,018 %
Glucose, not more than....0,5 %
Hydroxymethylfurfural (calc. on the dried basis), not more than ....0,1 %
Loss on drying, not more than ....0,5 %
Residue on ignition, not more than ....0,5 %
Sulphate, not more than....0,025 %
Specifications F.C.C. 6

Order code	Package	Units/Box st.
202728.1214	5 kg	4
202728.0416	25 kg	

Fuchsin Acid (C.I. 42685) DC

for microscopy, blood smear staining

$C_{20}H_{17}N_3Na_2O_9S_3$

M: 585,54 CAS: 3244-88-0 EINECS: 221-816-5 NC: 3204 12 00

SPECIFICATIONS:

Identity....IR p/t.
λ of max. ABS in HCl 0,005 mol/l.... 540-545 nm
A 1%, 1 cm, λmax....>800
Ratio λmax. P ± 15 nm.... 1,10-1,26
T.L.C .... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 135°C....10 %

Order code	Package	Units/Box st.
251331.1605	10 g	6
251331.1607	50 g	6

Fuchsin Basic (C.I. 42510) DC

for microscopy, nucleus and Koch's bacilli staining

$C_{20}H_{20}ClN_3$

M: 337,85 CAS: 632-99-5 EINECS: 211-189-6 NC: 3204 13 00

SPECIFICATIONS:

Identity....IR p/t.
λ of max. ABS in C_2H_5OH 50%.... 549-552 nm
A 1%, 1 cm, λmax....>1600
Ratio λmax. P±15 nm.... 1,16-1,35
T.L.C .... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 135°C....15 %

Order code	Package	Units/Box st.
251332.1606	25 g	6
251332.1608	100 g	6

Fuchsin Basic-Carbol solution according to Ziehl DC

for microscopy, nucleus and Koch's bacilli staining and for staining according to Gram-Nicolle

NC: 3204 13 00

HAZARDOUS:

Xn

R: 10-21/22-36/38 S: 36/37

1l~0,994kg 1kg~1,006l

Composition:
Basic Fuchsin....0,74 g
Phenol ....5 ml
Ethanol absolute....10 ml
Water s.q.m ....100 ml

Order code	Package	Units/Box st.
251333.1609	250 ml	6
251333.1611	1000 ml	6
251333.1612	2,5 l	4

Fuchsin S

(see Fuchsin Acid)

D(+)-Fucose PB

$C_6H_{12}O_5$

M: 164,16 CAS: 3615-37-0 EINECS: 222-792-9 NC: 2940 00 00

SPECIFICATIONS:

Minimum assay ....99 %
Specific rotation $[\alpha]^{20}$/D c=10 (in H_2O) ....+75,0 to +77,0°

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition (as SO_4)....0,1 %
Water (H_2O)....0,5 %

Order code	Package	Units/Box st.
375887.1603	1 g	6

L(-)-Fucose PB

$C_6H_{12}O_5$

M: 164,16 CAS: 2438-80-4 EINECS: 219-452-7 NC: 2940 00 00

SPECIFICATIONS:

Minimum assay ....99 %
Identity....IR p/t.
Specific rotation $[\alpha]^{20}$/D c= 10 (in H_2O) .... -76,5 to -74,0°

MAXIMUM LIMIT OF IMPURITIES

Water (H_2O)....0,5 %
Heavy metals (as Pb)....0,001 %

Order code	Package	Units/Box st.
375810.1603	1 g	6
375810.1604	5 g	6

Fumaric Acid (USP-NF) PRS-CODEX

HOOCCHCHCOOH

M: 116,07 CAS: 110-17-8 EINECS: 203-743-0 NC: 2917 19 90

HAZARDOUS:

Xi

R: 36 S: 26 CE: 607-146-00-X

SPECIFICATIONS:

Assay (Acidim.) calc. a.d.s. 99,5-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,05 %
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Maleic acid (HPLC) ..... 0,1 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
Water (H_2O) ..... 0,5 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142344.1210	500 g P	6
142344.0416	25 kg PP	

Fumaric Acid (E-297, F.C.C.) ADITIO

HOOCCHCHCOOH

M: 116,07 CAS: 110-17-8 EINECS: 203-743-0 NC: 2917 19 90

HAZARDOUS:

Xi

R: 36 S: 26 CE: 607-146-00-X

SPECIFICATIONS:

Assay (as $C_4H_4O_4$) calc. on the anh. basis 99,5-100,5%
Maleic Acid, not more than ..... 0,1 %
Residue on ignition, not more than ..... 0,1 %
Water, not more than ..... 0,5 %
Loss on drying ..... 0,5 %
Arsenic, not more than ..... 3 ppm
Mercury, not more than ..... 1 ppm
Lead, not more than ..... 2 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
202344.1214	5 kg P	4
202344.0416	25 kg PP	

Fumaric Acid, 99% PS

HOOCCHCHCOOH

M: 116,07 CAS: 110-17-8 EINECS: 203-743-0 NC: 2917 19 90

HAZARDOUS:

Xi

R: 36 S: 26 CE: 607-146-00-X

SPECIFICATIONS:

Minimum assay (G.C. as methyl ester) ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
162344.1210	500 g P	6
162344.1211	1000 g P	6
162344.0914	5 kg PP	
162344.0416	25 kg PP	

Fumaric Acid Dichloride

(see Fumaryl Chloride)

Fumaric Acid Dimethyl Ester

(see Dimethyl Fumarate)

Fumaroyl Dichloride

(see Fumaryl Chloride)

Fumaryl Chloride, 97% PS

$C_4H_2Cl_2O_2$

M: 152,96 CAS: 627-63-4 EINECS: 211-005-4 NC: 2917 19 90 UN: 1780

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

C

R: 34-37-21/22 S: 26-36/37/39-45

1l~1,408kg 1kg~0,710 l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A803.1606	25 ml	6
15A803.1608	100 ml	6

2-Furaldehyde

(see Furfural)

2-Furancarboxyaldehyde

(see Furfural)

2-Furancarboxylic Acid

(see 2-Furoic Acid)

2,5-Furandione

(see Maleic Anhydride)

Furfural stabilized with ~0,1% of BHT (Reag. USP, Ph. Eur.) PA-ACS

$C_5H_4O_2$

M: 96,09 CAS: 98-01-1 EINECS: 202-627-7 NC: 2932 12 00 UN: 1199

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611

HAZARDOUS:

T

R: 21-23/25-36/37/38-40 S: 26-36/37-45 CE: 605-010-00-4

1l~1,160kg 1kg~0,862l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98,0 %
Identity ..... IR p/t.
Density at 20/20 1,155-1,161
Distillation range (>95% dist.) ..... 159-162°C

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter ..... 0,5 %
Acidity ..... 0,02 meq/g
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
131334.1609	250 ml	6

Furfural, 98% stabilized with ~0,1% of BHT PS

$C_5H_4O_2$

M: 96,09 CAS: 98-01-1 EINECS: 202-627-7 NC: 2932 12 00 UN: 1199

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611

HAZARDOUS:

T

R: 21-23/25-36/37/38-40 S: 26-36/37-45 CE: 605-010-00-4

1l~1,160kg 1kg~0,862l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,158-1,164
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
161334.1611	1000 ml	6

Furfuraldehyde

(see Furfural)

Furfurol

(see Furfural)

Furfuryl Alcohol, 98% PS

$C_5H_6O_2$

M: 98,10 CAS: 98-00-0 EINECS: 202-626-1 NC: 2932 13 00 UN: 2874

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618

HAZARDOUS:

Xn

R: 20/21/22 CE: 603-018-00-2

1l~1,132kg 1kg~0,883l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,131-1,134
Water (H_2O) ..... 0,3 %

Order code	Package	Units/Box st.
15A706.1611	1000 ml	6

2-Furoic Acid, 98% PS

$C_5H_4O_3$

M: 112,09 CAS: 88-14-2 EINECS: 201-803-0 NC: 2932 19 00

HAZARDOUS:

Xi

R: 36/37/38 S: 26-36

SPECIFICATIONS:

Minimum assay ..... 98 %
Identity ..... IR p/t.
Melting range ..... 130-133 °C

Order code	Package	Units/Box st.
15A664.1208	100 g P	6

GADOLINIUM SOLUTIONS

(see Standards for ICP)

D(+)-Galactose PB

$C_6H_{12}O_6$

M: 180,16 CAS: 59-23-4 EINECS: 200-416-4 NC: 2940 00 00

Identity ..... IR p/t.
Specific Rotation $[\alpha]^{20}$/D c=10 (in H_2O). ..... +79 to +81°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,02 %
Loss on drying at 105°C ..... 0,3 %
Residue on ignition (as SO_4) ..... 0,1 %
Heavy metals (as Pb) ..... 0,001 %

Order code	Package	Units/Box st.
372173.1208	100 g	6

Gallic Acid 1-hydrate (Reag. USP, Ph. Eur.) PA-ACS

$C_7H_6O_5.H_2O$

M: 188,14 CAS: 5995-86-8 EINECS: 205-749-9 NC: 2918 29 80

HAZARDOUS:

Xi R: 36/37/38 S: 26-36

SPECIFICATIONS:

Minimum assay (Acidim.) a.a.s ..... 99,0 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Loss on drying at 105°C ..... 7-10 %
Residue on ignition (as SO_4) ..... 0,01 %
Sulphate (SO_4) ..... 0,005 %

Order code	Package	Units/Box st.
132830.1608	100 g	6

Gallic Acid 1-hydrate, 99% PS

$C_7H_6O_5.H_2O$

M: 188,14 CAS: 5995-86-8 EINECS: 205-749-9 NC: 2918 29 80

HAZARDOUS:

Xi R: 36/37/38 S: 26-36

SPECIFICATIONS:

Assay (Acidim.) a.a.s. ..... 99 %
Identity ..... IR p/t.
Loss on drying at 105°C ..... 7-10 %

Order code	Package	Units/Box st.
152830.1608	100 g	6
152830.1610	500 g	6

GALLIUM SOLUTIONS

(see Standards for ICP)

Gelatine 80-100 Blooms (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

CAS: 9000-70-8 EINECS: 232-554-6 NC: 3503 00 10

SPECIFICATIONS:

Conductivity at 30±1,0°C ..... 1 mS/cm
Identity according to Pharmacopoeias ..... p/t.
pH of 1% solution 3,8-7,6
T.L.C. (phenolic preservatives) ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O and odour ..... p/t.
Loss on drying at 105°C ..... 15,0 %
Residue on ignition ..... 2,0 %
Residual solvents (Ph.Eur./USP) ..... p/t
Peroxides (as H_2O_2) ..... 0,0010 %
Sulfur dioxide ..... 0,004 %
Heavy metals (as Pb) ..... 0,005 %
Total aerobic microbial count (TAMC) ..... 1000 cfu/g
Total combined yeast and moulds (TYMC) ..... 100 cfu/g
Salmonella ..... absence/g
Escherichia coli ..... absence/10 g
As ..... 0,00008 %
Cu ..... 0,003 %
Cr ..... 0,001 %
Fe ..... 0,003 %
Ni ..... 0,003 %
Pb ..... 0,003 %
Zn ..... 0,003 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142060.1210	500 g	6
142060.1211	1000 g	6
142060.0914	5 kg	

Gelatine 80-100 Blooms ADITIO

CAS: 9000-70-8 EINECS: 232-554-6 NC: 3503 00 10

SPECIFICATIONS:

Arsenic (as As), not more than ..... 1 ppm
Ash ..... 0,5-3 %
Sulphur Dioxide, not more than ..... 50 ppm
Lead, not more than ..... 5 ppm
Copper, not more than ..... 30 ppm
Iron, not more than ..... 50 ppm
Zinc, not more than ..... 50 ppm
Loss on drying ..... 8-13 %
Viscosity ..... 10-75 mPas
Jelly strength ..... 0-300 °Bloom
pH 4-9
Insoluble in water ..... p/t.
Microbial limit:
Aerobic mesophil colons 31±1°C, not more than ..... 5000 col/g
Total enterobacteriaceae ..... Absence/g
Cl.perfringens ..... Absence/g
Salmonella-Shigella Absence/25g

Order code	Package	Units/Box st.
202060.0914	5 kg	
202060.0416	25 kg	

Gelatine, Bacteriological (Ingredient) CULTIMED

Demonstration of proteoytic microorganisms.

CAS: 9000-70-8 EINECS: 232-554-6 NC: 3503 00 10

SPECIFICATIONS:

pH of 2% solution 4,0-7,5
Loss on drying ..... 13 %
Residue on ignition ..... 1 %

Order code	Package	Units/Box st.
403902.1210	500 g	6

Gelatine Gold DC

CAS: 9000-70-8 EINECS: 232-554-6 NC: 3503 00 10

SPECIFICATIONS:

Jelly strength ..... 190-220 °Bloom
Viscosity ..... 2,8 - 3,8 mPas
pH sol. 6,7% at 45°C ..... 4,7 - 5,7

MAXIMUM LIMIT OF IMPURITIES

Ash ..... 1,5 %
Loss on drying ..... 11-15 %

Order code	Package	Units/Box st.
251336.0910	500 g	6
251336.0911	1000 g	6

Gelatine Peptone (Ingredient) CULTIMED

Nutritional ingredient to prepare culture media.

NC: 3504 00 00

SPECIFICATIONS:

pH of 2% solution 6-7,5
Loss on drying at 105°C ..... 10 %
Residuo de calcinación (as SO_4) ..... 15 %
Total Nitrogen ..... ≥10 %

Order code	Package	Units/Box st.
403686.1210	500 g	6
403686.0914	5 kg	
403686.0416	25 kg	

General Absorbent QP

NC: 2839 90 90

SPECIFICATIONS:

Absorption power to H_2SO_4 ..... p/t.
Absorption power to NaOH ..... p/t.
Absorption power to Br ..... p/t.

Order code	Package	Units/Box st.
212520.1210	500 g	6
212520.0914	5 kg	
212520.0416	25 kg	

Gentian Violet (C.I. 42535+42555) DC

for microscopy, bacteria staining according to Gram

CAS: 548-62-9 EINECS: 208-953-6 NC: 3204 13 00

HAZARDOUS:

Xn N R: E22-40-41-50/53 S: 26-36/37/39-46-60-61

SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS in C_2H_5OH 50% ..... 587-590 nm
A 1%, 1 cm, λmax ..... >2000
Ratio λmax. P ± 15 nm 0,98-1,25
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C ..... 10 %

Order code	Package	Units/Box st.
251765.1606	25 g	6
251765.1608	100 g	6
251765.1609	250 g	6

Gentian Violet hydroalcoholic solution 1% (C.I. 42555) (USP) CODEX

$C_{25}H_{30}ClN_3$

M: 407,99 NC: 3822 00 00

1l~0,983kg 1kg~1,017l

SPECIFICATIONS:

Assay ($C_{25}H_{30}ClN_3$) (w/v) 0,95-1,05%
Identity according to Pharmacopoeias .... p/t.

MAXIMUM LIMIT OF IMPURITIES

Solubility of residue in alcohol.... p/t.
Ethanol ....8,0-10,0 %
Residual solvents (Ph.Eur./USP).... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
191403.1611	1000 ml	6

Gentian Violet Phenique DC

solution for microscopy, bacteria staining according to Gram-Nicolle

NC: 3822 00 00 UN: 2810

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618

HAZARDOUS:

Xn **R: 21/22-36/38 S: 28a**

1l~0,988kg 1kg~1,012l

Composition:
Gentian Violet ....0,67 g
Phenol ....2,05 g
Ethanol absolute....11,7 ml
Water ....100 ml

Order code	Package	Units/Box st.
251766.1608	100 ml	6
251766.1609	250 ml	6

Geraniol, 97% PS

$C_{10}H_{18}O$

M: 154,24 CAS: 106-24-1 EINECS: 203-377-1 NC: 2905 22 10

HAZARDOUS:

Xi **R: 36/37/38 S: 24/25**

1l~0,88kg 1kg~1,14l

SPECIFICATIONS:

Assay (G.C.).... 97 %
Identity....IR p/t.
Density at 20/4 0,877-0,880

Order code	Package	Units/Box st.
15A805.1608	100 ml	6

GERMANIUM SOLUTIONS

(see Standards for ICP)

Gibberellic Acid, 90% PS

$C_{19}H_{22}O_6$

M: 346,38 CAS: 77-06-5 EINECS: 201-001-0 NC: 2932 29 85

SPECIFICATIONS:

Minimum assay .... 90 %
Identity....IR p/t.

Order code	Package	Units/Box st.
15A682.1603	1 g	6

Gibberellin

(see Gibberellic Acid)

Giemsa's Solution

(see Azur-Eosin-Methylene Blue solution according to Giemsa)

Giemsa's Stain

(see Azur-Eosin-Methylene Blue dye according to Giemsa)

GILL'S HEMATOXYLIN SOLUTIONS

Gill's Hematoxylin I solution DC

for microscopy, vagina smear staining

NC: 3203 00 10

HAZARDOUS:

Xn **R: 22**

1l~1,045kg 1kg~0,957l

Composition:
Sodium Iodate....20 mg
Hematoxylin....200 mg
Aluminium Sulphate 18-hydrate....1,76 g
Acetic Acid Glacial ....2 ml
Ethylene Glycol....25 ml
Water ....73 ml

Order code	Package	Units/Box st.
252974.1211	1000 ml	6

Gill's Hematoxylin II solution DC

for microscopy, vagina smear staining

NC: 3203 00 10

HAZARDOUS:

Xn **R: 22**

1l~1,055kg 1kg~0,948l

Composition:
Sodium Iodate....40 mg
Hematoxylin....400 mg
Aluminium Sulphate 18-hydrate....3,52 g
Acetic Acid Glacial ....3,8 ml
Ethylene Glycol....25 ml
Water ....71 ml

Order code	Package	Units/Box st.
252998.1211	1000 ml	6

Gill's Hematoxylin III solution DC

for microscopy, vagina smear staining

NC: 3203 00 10

HAZARDOUS:

Xn **R: 22**

1l~1,069kg 1kg~0,935l

Composition:
Sodium Iodate....60 mg
Hematoxylin....600 mg
Aluminium Sulphate 18-hydrate....5,28 g
Acetic Acid Glacial ....5,7 ml
Ethylene Glycol....25 ml
Water ....69 ml

Order code	Package	Units/Box st.
252999.1211	1000 ml	6

Glass Wool washed QP

CAS: 65997-17-3 EINECS: 266-046-0 NC: 7019 31 00

SPECIFICATIONS:

Soluble matter in HCl .... 1 %
Chloride (Cl)....0,01 %

Order code	Package	Units/Box st.
211376.1208	100 g	6
211376.1209	250 g	6

D-Gluconic Acid Calcium Salt

(see Calcium D-Gluconate 1-hydrate)

D-Gluconic Acid Sodium Salt

(see Sodium D-Gluconate)

D(+)-Glucose anhydrous PA-ACS

$C_6H_{12}O_6$

M: 180,16 CAS: 50-99-7 EINECS: 200-075-1 NC: 1702 30 51

SPECIFICATIONS:

Identity....IR p/t.
Specific rotation $[\alpha]^{25}$/D c=10 (in H_2O) ....+52,5 to +53,0°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O....0,003 %
Loss on drying at 105°C....0,2 %
Residue on ignition (as SO_4)....0,01 %
Acidity (as CH_3COOH) ....0,015 %
Starch .... p/t.
Chloride (Cl)....0,0025 %
Sulphate and Sulphite (as SO_4) ....0,0025 %
Heavy metals (as Pb)....0,0005 %
As ....0,00004 %

Metals by ICP [mg/Kg (ppm)]

Al	5	Fe	5	Sb	1
B	1	In	1	Se	5
Ba	1	K	1	Sr	1
Be	1	Mg	5	Ti	1
Ca	5	Mn	1	Tl	1
Cd	10	Mo	1	V	1
Co	1	Ni	5	Zn	5
Cr	1	Pb	5	Zr	1
Cu	5	Pt	1		

Order code	Package	Units/Box st.
131341.1210	500 g	6
131341.1211	1000 g	6
131341.0914	5 kg	4
131341.0416	25 kg	

D(+)-Glucose anhydrous (RFE, USP, BP, Ph. Eur., DAB) PRS-CODEX

$C_6H_{12}O_6$

M: 180,16 CAS: 50-99-7 EINECS: 200-075-1 NC: 1702 30 51

SPECIFICATIONS:

Identity according to Pharmacopoeias ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=10 (in H_2O) calc. a.a.s. .....+52,6 to +53,2°

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O..... 0,01 %
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP)..... p/t
Acidity or alkalinity..... p/t.
Foreign sugars, soluble starch and dextrin ..... p/t.
Chloride (Cl)..... 0,0125 %
Sulphate (SO_4) ..... 0,02 %
Sulphite (as SO_2)..... 0,0015 %
Water (H_2O)..... 0,5 %
Heavy metals (as Pb)..... 0,0005 %
As ..... 0,0001 %
Ba ..... p/t.
Ca ..... 0,02 %
Fe..... 0,0005 %
Pb ..... 0,00005 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141341.1210	500 g P	6
141341.1211	1000 g P	6
141341.0914	5 kg PP	4
141341.0416	25 kg PP	

D(+)-Glucose anhydrous (F.C.C.) ADITIO

$C_6H_{12}O_6$

M: 180,16 CAS: 50-99-7 EINECS: 200-075-1 NC: 1702 30 51

SPECIFICATIONS:

Assay ($C_6H_{12}O_6$), calc. on the dried basis
(of reducing sugar content, glucose equivalent) 99,5-100,5%
Arsenic (as As), not more than ..... 1 ppm
Chloride, not more than..... 0,018 %
Loss on drying, not more than ..... 2,0 %
Residue on ignition, not more than ..... 0,1 %
Specific rotation $[\alpha]^{25}$/D after drying .....+52,6 to +53,2°
Starch ..... p/t.
Sulphur Dioxide, not more than..... 0,002 %
Lead, not more than ..... 0,1 ppm
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201341.0914	5 kg PP	
201341.0416	25 kg PP	

D(+)-Glucose 1-hydrate (RFE, USP, BP, Ph. Eur., DAB) PRS-CODEX

$C_6H_{12}O_6.H_2O$

M: 198,17 CAS: 5996-10-1 EINECS: 200-075-1 NC: 1702 30 51

SPECIFICATIONS:

Identity according to Pharmacopoeias ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=10 (in H_2O) calc. a.a.s. .....+52,6 to +53,2°

MAXIMUM LIMIT OF IMPURITIES

Appearance and colour of solution ..... p/t.
Insoluble matter in H_2O..... 0,01 %
Residue on ignition (as SO_4)..... 0,1 %
Residual solvents (Ph.Eur./USP)..... p/t.
Acidity or alkalinity..... p/t.
Foreign sugars, soluble starch and dextrins ..... p/t.
Chloride (Cl)..... 0,0125 %
Sulphate (SO_4) ..... 0,02 %
Sulphite (as SO_2)..... 0,0015 %
Water (H_2O)..... 7,5-9,5 %
Heavy metals (as Pb)..... 0,0005 %
As ..... 0,0001 %
Ba ..... p/t.
Ca ..... 0,02 %
Fe..... 0,0005 %
Pb ..... 0,00005 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
143140.1210	500 g P	6
143140.1211	1000 g P	6
143140.0914	5 kg PP	
143140.0416	25 kg PP	

D(+)-Glucose 1-hydrate (F.C.C.) ADITIO

$C_6H_{12}O_6.H_2O$

M: 198,17 CAS: 5996-10-1 EINECS: 200-075-1 NC: 1702 30 51

SPECIFICATIONS:

Assay ($C_6H_{12}O_6$), calc. on the dried basis
(of reducing sugar content, glucose equivalent) 99,5-100,5%
Arsenic (as As), not more than ..... 1 ppm
Chloride, not more than..... 0,018 %
Loss on drying, not more than ..... 10,0 %
Residue on ignition, not more than ..... 0,1 %
Specific rotation $[\alpha]^{25}$/D after drying .....+52,6 to+53,2°
Starch ..... p/t.
Sulphur Dioxide, not more than..... 0,002 %
Lead, not more than ..... 0,1 ppm
Specifications F.C.C. 6

Order code	Package	Units/Box st.
203140.0914	5 kg PP	
203140.0416	25 kg PP	

Glucose Reagent

(see o-Toluidine solution 6%)

L-Glutamic Acid PB

$C_5H_9NO_4$

M: 147,13 CAS: 56-86-0 EINECS: 200-293-7 NC: 2922 42 00

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99,0 %
Identity..... IR p/t.
T.L.C ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=10 (in HCl 1 mol/l)..... +30,5 to +32,5°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl 1 mol/l ..... 0,05 %
Loss on drying at 105°C..... 0,2 %
Residue on ignition (as SO_4) ..... 0,1 %
ABS at λ260 nm sol. 1 mol/l in HCl 2 mol/l 0,1
ABS at λ280 nm sol. 1 mol/l in HCl 2 mol/l 0,1
Chloride (Cl)..... 0,01 %
Sulphate (SO_4) ..... 0,02 %
Heavy metals (as Pb)..... 0,001 %
As ..... 0,00015 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr..... 0,0005 %
Cu ..... 0,0005 %
Fe..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,005 %
Mn ..... 0,0005 %
Na ..... 0,01 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
372042.1209	250 g P	6

L-Glutamic Acid (RFE, BP, Ph. Eur.) PRS-CODEX

$C_5H_9NO_4$

M: 147,13 CAS: 56-86-0 EINECS: 200-293-7 NC: 2922 42 00

SPECIFICATIONS:

Assay calc. a.d.s. .....98,5-100,5 %
Identity according to Pharmacopoeias ..... p/t.
T.L.C. ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=10 (in HCl 1 mol/l)
(calc. a.d.s.) .....+30,5 to +32,5°

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in HCl 1 mol/l..... p/t.
Loss on drying at 105°C..... 0,5 %
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP)..... p/t.
Chloride (Cl)..... 0,02 %
Sulphate (SO_4) ..... 0,03 %
Ammonium (NH_4) ..... 0,02 %
Heavy metals (as Pb)..... 0,001 %
As ..... 0,00015 %
Cu ..... 0,001 %
Fe..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
142042.1209	250 g P	6
142042.1210	500 g P	6
142042.0914	5 kg PP	

L-Glutamic Acid (E-620, F.C.C.) ADITIO

$C_5H_9NO_4$

M: 147,13 CAS: 56-86-0 EINECS: 200-293-7 NC: 2922 42 00

SPECIFICATIONS:

Assay (as $C_5H_9NO_4$) calc. a.d.s ..... 99,0-101,0 %
pH of saturated solution 3,0-3,5
Lead, not more than ..... 2 ppm
Loss on drying, not more than ..... 0,1 %
Residue on ignition, not more than ..... 0,2 %
Specific rotation $[\alpha]^{20}$/D calc. a.d.s. ..... +31,5 to +32,2°
Chloride, not more than ..... 0,2 %
Carboxylic pyrrolidone acid, not more than ..... 0,2 %
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
202042.1211	1 kg	6
202042.0914	5 kg	

L-Glutamic Acid, 99% PS

$C_5H_9NO_4$

M: 147,13 CAS: 56-86-0 EINECS: 200-293-7 NC: 2922 42 00

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
152042.1608	100 g	6
152042.1611	1000 g	6

Glutamic Acid 5-Amide

(see Glutamine)

L-Glutamine PB

$C_5H_{10}N_2O_3$

M: 146,15 CAS: 56-85-9 EINECS: 200-292-1 NC: 2924 19 00

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99,0 %
Identity ..... IR p/t.
T.L.C ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=5 (in HCl 1 mol/l) ..... +31,0 to +33,0°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,05 %
Loss on drying at 105°C ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,1 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00015 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,005 %
Mn ..... 0,0005 %
Na ..... 0,01 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
371343.1206	25 g	6
371343.1208	100 g	6

L-Glutamine (USP) PRS-CODEX

$C_5H_{10}N_2O_3$

M: 146,15 CAS: 56-85-9 EINECS: 200-292-1 NC: 2924 19 00

SPECIFICATIONS:

Assay (Perchl. Ac.) calc. a.d.s. ..... 98,5-101,5 %
Identity according to Pharmacopoeias ..... p/t.
T.L.C ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=4 (in H_2O) ..... +6,3 to +7,3°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,05 %
Loss on drying at 105°C ..... 0,3 %
Residue on ignition (as SO_4) ..... 0,3 %
Residual solvents (Ph.Eur./USP) ..... p/t
Chloride (Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,03 %
Heavy metals (as Pb) ..... 0,0015 %
As ..... 0,00015 %
Cu ..... 0,002 %
Fe ..... 0,001 %
Ni ..... 0,002 %
Pb ..... 0,002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141343.1210	500 g	6
141343.0914	5 kg	

L-Glutamine, 99% PS

$C_5H_{10}N_2O_3$

M: 146,15 CAS: 56-85-9 EINECS: 200-292-1 NC: 2924 19 00

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
151343.1608	100 g	6
151343.1610	500 g	6

GLUTARALDEHYDE SOLUTIONS

Glutaraldehyde solution 25% PS

$C_5H_8O_2$

M: 100,12 CAS: 111-30-8 EINECS: 203-856-5 NC: 2912 19 90 UN: 2810
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618

HAZARDOUS:

T

R: 22-23-34-42/43 S: 26-36/37/39-45-61 CE: 605-022-00-X
1l~1,061kg 1kg~0,943l

SPECIFICATIONS:

Minimum assay (Oximeacidim.) ..... 25 %
Density at 20/4 1,059-1,063

Order code	Package	Units/Box st.
163857.1609	250 ml	6
163857.1611	1000 ml	6

Glutaraldehyde solution 25% DC

$C_5H_8O_2$

M: 100,12 CAS: 111-30-8 EINECS: 203-856-5 NC: 2912 19 90 UN: 2810
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618

HAZARDOUS:

T

R: 22-23-34-42/43 S: 26-36/37/39-45-61 CE: 605-022-00-X
1l~1,061kg 1kg~0,943l

SPECIFICATIONS:

Minimum assay (Oximeacidim.) ..... 25,0 %
Density at 20/4 1,059-1,063

Order code	Package	Units/Box st.
253857.1611	1000 ml	6

Glutaraldehyde solution 50% PS

$OHC(CH_2)_3CHO$

M: 100,12 CAS: 111-30-8 EINECS: 203-856-5 NC: 2912 19 90 UN: 2810
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618

HAZARDOUS:

T N

R: 23/25-34-42/43-50 S: 26-36/37/39-45-61 CE: 605-022-00-X
1l~1,129kg 1kg~0,886l

SPECIFICATIONS:

Minimum assay (Oximeacidim.) ..... 49 %
Density at 20/4 1,127-1,130

Order code	Package	Units/Box st.
15A807.1609	250 ml	6
15A807.1611	1000 ml	6

L-Glutathione reduced PB

$C_{10}H_{17}N_3O_6S$

M: 307,33 CAS: 70-18-8 EINECS: 200-725-4 NC: 2930 90 85

SPECIFICATIONS:

Assay (Iodom.) ..... 98,0-101,0 %
Identity ..... IR p/t.
Melting range ..... 185-195°C
Specific rotation $[\alpha]^{20}$/D c=4 (in H_2O) ..... -15,5 to -17,5°

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 0,5 %
Residue on ignition ..... 0,1 %
Sulphate (SO_4) ..... 0,05 %
Ammonium (NH_4) ..... 0,02 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Fe ..... 0,001 %

Order code	Package	Units/Box st.
375791.1603	1 g	6
375791.1604	5 g	6
375791.1608	100 g	6

Glycerol PA-ACS-ISO

$C_3H_8O_3$

M: 92,10 CAS: 56-81-5 EINECS: 200-289-5 NC: 2905 45 00

1l~1,259kg 1kg~0,794l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 1,257-1,261

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Insoluble matter in H_2O ..... p/t.
Residue on ignition (as SO_4) ..... 0,005 %
Darkened substances by H_2SO_4 ..... p/t.
Reducing substances $AgNO_3$ ..... p/t.
Acidity ..... 0,0005 meq/g
Alkalinity ..... 0,0003 meq/g
Acrolein and glucose ..... p/t.
Fatty acid esters (as $C_{15}H_{26}O_6$) ..... 0,05 %
Water (H_2O) ..... 0,5 %
Chloride (Cl) ..... 0,0001 %
Chlorine compounds (as Cl) ..... 0,003 %
Sulphate (SO_4) ..... 0,0005 %
Ammonium (NH_4) ..... 0,0005 %
Heavy metals (as Pb) ..... 0,0001 %
As ..... 0,00004 %
Cu ..... 0,0001 %
Fe ..... 0,0001 %
Ni ..... 0,0001 %
Pb ..... 0,0001 %

DOES NOT COME FROM ANIMAL ORIGIN.

Order code	Package	Units/Box st.
131339.1211	1000 ml	6
131339.1212	2,5 l	4
131339.1214	5 l	4
131339.0716	25 l	
131339.0718	60 l	

Glycerol (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_3H_8O_3$

M: 92,10 CAS: 56-81-5 EINECS: 200-289-5 NC: 2905 45 00

1l~1,259kg 1kg~0,794l

SPECIFICATIONS:

Assay ($C_3H_8O_3$) calc. a.d.s. 99,0-101,0%
Identity according to Pharmacopoeias ..... p/t.
Density at 20/4 1,257-1,261
Refractive index n^{20}/D 1,470-1,475

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Colour ..... p/t.
Residue on ignition (as SO_4) ..... 0,01 %
Residual solvents (Ph.Eur./USP) ..... p/t
Diethyleneglycol and related substances ..... p/t.
Aldehydes (as CH_2O) ..... 0,0010 %
Sugars ..... p/t.
Acidity and alkalinity ..... p/t.
Esters ..... p/t.
Water (H_2O) ..... 0,5 %
Chloride (Cl) ..... 0,001 %
Halogenated compounds (as Cl) ..... 0,003 %
Sulphate (SO_4) ..... 0,002 %
Ammonium (NH_4) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00015 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

DOES NOT COME FROM ANIMAL ORIGIN.
Complies USP 29 specifications

Order code	Package	Units/Box st.
141339.1211	1000 ml	6
141339.1212	2,5 l	4
141339.1214	5 l	4
141339.0716	25 l	

Glycerol (E-422, F.C.C.) ADITIO

$C_3H_8O_3$

M: 92,10 CAS: 56-81-5 EINECS: 200-289-5 NC: 2905 45 00

1l~1,259kg 1kg~0,794l

SPECIFICATIONS:

Assay ($C_3H_8O_3$) calc. a.a.s. ..... 98-100,5 %
Acrolein, Glucose and Ammonium compounds ..... p/t.
Arsenic (as As), not more than ..... 3 ppm
Chlorinated compounds (as Cl), not more than ..... 0,003 %
Colour ..... p/t.
Fatty Acids and Esters (as butiric acid), not more than ..... 0,1 %
Easily carbonizable substances ..... p/t.
Residue on ignition, not more than ..... 0,01 %
Water, not more than ..... 5 %
Specific weight, not less than 1,257
Refractive index n^{20}/D 1,471-1,474
Butanetriols, not more than ..... 0,2 %
Heavy metals (as Pb), not more than ..... 5 ppm
Lead, not more than ..... 1 ppm
Cadmium, not more than ..... 1 ppm
Mercury, not more than ..... 1 ppm
Specifications Dir. 2008/84/EC, F.C.C. 6
DOES NOT COME FROM ANIMAL ORIGIN.

Order code	Package	Units/Box st.
201339.1214	5 l	4
201339.0716	25 l	

Glycerol, 99% PS

$C_3H_8O_3$

M: 92,10 CAS: 56-81-5 EINECS: 200-289-5 NC: 2905 45 00

1l~1,259kg 1kg~0,794l

SPECIFICATIONS:

Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
DOES NOT COME FROM ANIMAL ORIGIN.

Order code	Package	Units/Box st.
151339.1211	1000 ml	6
151339.1212	2,5 l	4

Glycerol QP

$C_3H_8O_3$

M: 92,10 CAS: 56-81-5 EINECS: 200-289-5 NC: 2905 45 00

1l~1,259kg 1kg~0,794l

SPECIFICATIONS:

Assay (G.C.) ..... 99,0 %
Density at 20/4 1,257-1,261
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
As ..... 0,0003 %
Fe ..... 0,005 %
Pb ..... 0,001 %

DOES NOT COME FROM ANIMAL ORIGIN.

Order code	Package	Units/Box st.
211339.1211	1000 ml	6
211339.1214	5 l	4
211339.0716	25 l	
211339.0718	60 l	

Glycerol 87% PA

$C_3H_8O_3$

M: 92,10 CAS: 56-81-5 EINECS: 200-289-5 NC: 2905 45 00

1l~1,228kg 1kg~0,814l

SPECIFICATIONS:

Assay ($C_3H_8O_3$) ..... 86,0-88,0 %
Density at 20/4 1,224-1,232

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... p/t.
Residue on ignition (as SO_4) ..... 0,005 %
Darkened substances by H_2SO_4 ..... p/t.
Reducing substances $AgNO_3$ ..... p/t.
Acidity ..... 0,0005 meq/g
Alkalinity ..... 0,0003 meq/g
Fatty acid esters (as $C_{15}H_{26}O_6$) ..... 0,05 %
Water(H_2O) ..... 12,0-14,0 %
Chloride (Cl) ..... 0,0001 %
Sulphate (SO_4) ..... 0,0005 %
Ammonium (NH_4) ..... 0,0005 %
As ..... 0,00004 %
Cu ..... 0,0001 %
Fe ..... 0,0001 %
Ni ..... 0,0001 %
Pb ..... 0,0001 %

DOES NOT COME FROM ANIMAL ORIGIN.

Order code	Package	Units/Box st.
122329.1211	1000 ml	6
122329.1212	2,5 l	4
122329.1214	5 l	4
122329.0716	25 l	

Glycerol 87% (RFE, BP, Ph. Eur.) PRS-CODEX

$C_3H_8O_3$

M: 92,10 CAS: 56-81-5 EINECS: 200-289-5 NC: 2905 45 00

1l~1,228kg 1kg~0,814l

SPECIFICATIONS:

Assay ($C_3H_8O_3$) ..... 83,5-88,5 %
Identity according to Pharmacopoeias ..... p/t.
Refractive index n ^{20}/D 1,449-1,455

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Residue on ignition (as SO_4) ..... 0,01 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Darkened substances by H_2SO_4 ..... p/t.
Diethylenglycol and related substances ..... p/t.
Aldehydes (as CH_2O) ..... 0,001 %
Sugars ..... p/t.
Acidity or alkalinity ..... p/t.
Esters ..... p/t.
Water (H_2O) ..... 12,0-16,0 %
Halogenated compounds (as Cl) ..... 0,003 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,002 %
Ammonium (NH_4) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00015 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

DOES NOT COME FROM ANIMAL ORIGIN.

Order code	Package	Units/Box st.
142329.1211	1000 ml	6
142329.1212	2,5 l	4
142329.1214	5 l	4
142329.0716	25 l	

Glycerol mono-Acetate PRS

$C_5H_{10}O_4$

M: 134,13 NC: 2905 49 80

1l~1,206kg 1kg~0,829l

SPECIFICATIONS:

Assay (Acidim.) ..... 98 %
Density at 20/4 1,202-1,302
Acidity value 0,8

Order code	Package	Units/Box st.
141913.1611	1000 ml	6

Glycerol tri-Acetate (USP, BP, Ph. Eur.) PRS-CODEX

$C_9H_{14}O_6$

M: 218,21 CAS: 102-76-1 EINECS: 203-051-9 NC: 2915 39 30

1l~1,159kg 1kg~0,863l

SPECIFICATIONS:

Assay (Acidim.) calc. a.d.s. ..... 97,0-100,5 %
Identity according to Pharmacopoeias ..... p/t.
Density at 20/20 1,159-1,164
Refractive index n^{25}/D 1,429-1,430

MAXIMUM LIMIT OF IMPURITIES

Appearance ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t
Glycerol mono-Acetate (G.C.) ..... 0,1 %
Glycerol di-Acetate (G.C.) ..... 0,3 %
Acidity (as CH_3COOH) (USP) ..... 0,005 %
Acidity (Ph. Eur.) ..... p/t.
Water (H_2O) ..... 0,2 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Complies USP 29 specifications

Order code	Package	Units/Box st.
141922.1611	1000 ml	6

Glycerol tri-Acetate (E-1518, F.C.C.) ADITIO

$C_9H_{14}O_6$

M: 218,21 CAS: 102-76-1 EINECS: 203-051-9 NC: 2915 39 30

1l~1,159kg 1kg~0,863l

SPECIFICATIONS:

Assay ($C_6H_{14}O_6$), not less than ..... 98,5 %
Acidity ..... p/t.
Refractive index n^{25}/D 1,429-1,431
Specific gravity 1,154-1,158
Unsaturated compounds ..... p/t.
Water, not more than ..... 0,2 %
Residue on ignition (as Citric Ac.), not more than ..... 0,02 %
Arsenic, not more than ..... 3 ppm
Lead, not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201922.1214	5 l	4

Glycerol tri-Butyrate PB

$C_{15}H_{26}O_6$

M: 302,37 CAS: 60-01-5 EINECS: 200-451-5 NC: 2915 60 19

1l~1,030kg 1kg~0,971l

SPECIFICATIONS:

Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,028-1,032

MAXIMUM LIMIT OF IMPURITIES

Acidity (as CH_3COOH) ..... 0,05 %
Water (H_2O) ..... 0,2 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
374947.1208	100 ml	6

Glycine (Reag. USP) PA-ACS

H_2NCH_2COOH

M: 75,07 CAS: 56-40-6 EINECS: 200-272-2 NC: 2922 49 10

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 98,5 %
Identity ..... IR p/t.
T.L.C ..... p/t.
pH of 5% solution 5,9-6,3

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 105°C ..... 0,2 %
Residue on ignition (as SO_4) ..... 0,05 %
Hydrolizable substances ..... p/t.
Darkened substances by H_2SO_4 ..... p/t.
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
Ammonium (NH_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
131340.1209	250 g	6
131340.1211	1000 g	6
131340.0914	5 kg	4

HIPERPUR

Reactivos para análisis de trazas metálicas.
Rango: PPB. Para AAS e ICP-OES
Reagents for analysis of metallic traces.
Range: PPB. For AAS and ICP-OES
Réactifs pour analyse des traces metalliques.
Range: PPB. Pour AAS et ICP-OES

Glycine (RFE, USP, BP, Ph. Eur.) PRS-CODEX

H_2NCH_2COOH

M: 75,07 CAS: 56-40-6 EINECS: 200-272-2 NC: 2922 49 10

SPECIFICATIONS:

Assay (Perchl. Ac.) calc. a.d.s 98,5-101,0%
Identity according to Pharmacopoeias .... p/t.
pH of 5% solution 5,9-6,4

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution .... p/t.
Loss on drying at 105°C.... 0,2 %
Residue on ignition (as SO_4) .... 0,1 %
Residual solvents (Ph.Eur./USP).... p/t
Ninhydrin-positive substances.... 0,5 %
Hydrolizable substances .... p/t.
Chloride (Cl).... 0,007 %
Sulphate (SO_4) .... 0,0065 %
Heavy metals (as Pb).... 0,001 %
As .... 0,00015 %
Cu .... 0,001 %
Fe.... 0,001 %
Ni .... 0,001 %
Pb .... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141340.1209	250 g P	6
141340.1211	1000 g P	6
141340.0914	5 kg PP	

Glycine (E-640, F.C.C.) ADITIO

H_2NCH_2COOH

M: 75,07 CAS: 56-40-6 EINECS: 200-272-2 NC: 2922 49 10

SPECIFICATIONS:

Assay (as $C_2H_5NO_2$) calc. on the dried basis 98,5-101,5%
Lead, not more than .... 5 ppm
Loss on drying, not more than .... 0,2 %
Residue on ignition, not more than .... 0,1 %
Arsenic, not more than .... 3 ppm
Mercury, not more than .... 1 ppm
Specifications Dir. 2000/63/CE, F.C.C. 6

Order code	Package	Units/Box st.
201340.0914	5 kg PP	
201340.0416	25 kg	

Glycine, 99% PS

H_2NCH_2COOH

M: 75,07 CAS: 56-40-6 EINECS: 200-272-2 NC: 2922 49 10

SPECIFICATIONS:

Minimum assay .... 99 %

Order code	Package	Units/Box st.
151340.1607	50 g	6
151340.1609	250 g	6
151340.1611	1000 g	6

Glycocoll

(see Glycine)

Glycol

(see Ethylene Glycol)

Glycolic Acid ~ 65% PS

$C_2H_4O_3$

M: 76,05 CAS: 79-14-1 EINECS: 201-180-5 NC: 2918 19 85 UN: 3265

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

C

R: 22-34 S: 26-36/37/39-45

1l~1,270kg 1kg~0,787l

SPECIFICATIONS:

Assay (Acidim.)....63-66 %

Order code	Package	Units/Box st.
15A683.1211	1000 ml P	6
15A683.1214	5 l P	4

Glycylglycine PB

$C_4H_8N_2O_3$

M: 132,12 CAS: 556-50-3 EINECS: 209-127-8 NC: 2924 19 00

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) calc. a.d.s.... 99 %
Identity....IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C.... 1 %
Residue on ignition (as SO_4) .... 0,1 %
Chloride (Cl).... 0,005 %
Sulphate (SO_4) .... 0,005 %
ABS at λ260 nm 10 % sol. in H_2O 0,1
ABS at λ280 nm 10 % sol. in H_2O 0,1
ABS at λ405 nm 10 % sol. in H_2O 0,05

Order code	Package	Units/Box st.
376142.1606	25 g	6
376142.1609	250 g	6

Gly-Gly

(see Glycylglycine)

Glyoxal solution 40% PS

$C_2H_2O_2$

M: 58,04 CAS: 107-22-2 EINECS: 203-474-9 NC: 2912 19 90

HAZARDOUS:

Xn

R: 20-36/38-43-68 S: 36/37 CE: 605-016-00-7

1l~1,270kg 1kg~0,787l

SPECIFICATIONS:

Assay (Acidim.)....39-41 %
Density at 20/4 1,268-1,273

Order code	Package	Units/Box st.
15A806.1611	1000 ml	6
15A806.1612	2,5 l	4
15A806.0716	25 l P	

Glyoxal-Bis (2-Hydroxyanil) (Reag. Ph. Eur.) PA

$C_{14}H_{12}N_2O_2$

M: 240,26 CAS: 1149-16-2 EINECS: 214-560-0 NC: 2925 19 95

SPECIFICATIONS:

Minimum assay (N deter.)....97,0 %
Identity....IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in $C_4H_8O_2$.... p/t.
Loss on drying at 105°C.... 0,5 %
Residue on ignition (as SO_4) .... 0,5 %
Sensitivity to Ca.... p/t.
Ca .... 0,005 %
Cu .... 0,005 %
Fe.... 0,005 %
Ni .... 0,005 %
Pb .... 0,005 %

Order code	Package	Units/Box st.
122847.1605	10 g	6
122847.1606	25 g	6

Glyphosate

(see N-(Phosphonomethyl) Glycine)

GOLD SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Gold(III) Chloride Acid

(see Tetrachloroauric Acid(III) 3-hydrate)

Gold(III) Chloride-Sodium Chloride ~49% Au PRS

NC: 3822 00 00

SPECIFICATIONS:

Approximate assay (as Au).... 49 %
Insoluble matter in H_2O.... p/t.

Order code	Package	Units/Box st.
141448.1503	1 g	6
141448.1504	5 g	6
141448.1505	10 g	6

Graham's Salt

(see Sodium Polyphosphate)

Gram-Hucker, Kit for Staining

(see Kit for Staining Gram-Hucker)

Gram-Nicolle, Kit of Staining

(see: Fuchsin Basic-Carbol solution according to Ziehl. Lugol's Liquor. Gentian Violet Phenique.)

Griess-Ilosvay's A Reagent RE

for detection of nitrites

NC: 3822 00 00 UN: 1760

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

C

R: 35 S: 26-37/39-45

1l~1,045kg 1kg~0,957l

Composition:

Sulphanilic Acid ..... 0,34 g
Acetic Acid glacial ..... 30 ml
Water ..... 64 ml

Order code	Package	Units/Box st.
171569.1608	100 ml	6

Griess-Ilosvay's B Reagent RE

for detection of nitrites

NC: 3822 00 00 UN: 1760

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

C

R: 35 S: 26-37/39-45

1l~1,042kg 1kg~0,960l

Composition:

1-Naphthylamine ..... 70 mg
Acetic Acid glacial ..... 30 ml
Water ..... 77,5 ml

Order code	Package	Units/Box st.
171570.1608	100 ml	6

Guanidinium Chloride PB

CH_6ClN_3

M: 95,53 CAS: 50-01-1 EINECS: 200-002-3 NC: 2925 20 00

HAZARDOUS:

Xn

R: 22-36/38 S: 22 CE: 607-148-00-0

SPECIFICATIONS:

Minimum assay ..... 99,5 %
Identity ..... IR p/t.
Melting range ..... 181-187°C
pH of 10% solution 5,5-6,5

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... p/t.
Residue on ignition (as SO_4) ..... 0,05 %
Water (H_2O) ..... 0,2 %
ABS at λ230 nm of 6 mol/l sol. in H_2O 0,15
ABS at λ260 nm of 6 mol/l sol. in H_2O 0,03
ABS at λ280 nm of 6 mol/l sol. in H_2O 0,01
As ..... 0,0005 %
Fe ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
374229.1209	250 g	6
374229.1211	1000 g	6

Guanine, 99% PS

$C_5H_5N_5O$

M: 151,13 CAS: 73-40-5 EINECS: 200-799-8 NC: 2933 59 95

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B689.1606	25 g	6
15B689.1608	100 g	6

Gum Benzoin tincture solution 1:10 DC

according to Guillain-Laroche

NC: 3822 00 00 UN: 1993

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F

R: 10 S: 16

1l~0,825kg 1kg~1,212l

Composition:

Resin Benzoin, tonsiloid of Sumatra (as C_2H_5OH) ..... 100 g/l

Order code	Package	Units/Box st.
251193.1608	100 ml	6

Gypsumetric Liquor VINIKIT

for determination of sulphates in wine and vinegar. 1 ml corresponds to 0,01 g of K_2SO_4

NC: 3822 00 00

HAZARDOUS:

Xn

R: 20/22 S: 26-46

1l~1,018kg 1kg~0,982l

Composition:

Barium Chloride 2-hydrate ..... 1,4 g
Hydrochloric Acid 35% ..... 2,6 ml
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
621387.1610	500 ml	6

HAFNIUM SOLUTIONS

(see Standards for ICP)

Hanus Reagent 0,1 mol/l (0,2N) RV

for determination of iodine index. Keep over 18°C.

NC: 3822 00 00 UN: 2920

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

C

R: 10-35-52 S: 23c-26-36/37/39-45

1l~1,069kg 1kg~0,935l

Composition:

Iodine ..... 1,32 g
Bromine ..... 0,812 g
Acetic Acid glacial s.q.m ..... 100 ml

Order code	Package	Units/Box st.
281572.1611	1000 ml	6
281572.1612	2,5 l	4

Harris Hematoxylin solution DC

for cytology

NC: 3203 00 10 UN: 2024

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 612 CAO: 620

HAZARDOUS:

Xn

R: 20/21/22-33 S: 13-28a-45

1l~0,994kg 1kg~1,006l

Composition:

Mercury(II) Oxide yellow ..... 250 mg
Hematoxylin ..... 500 mg
Aluminium Potassium Sulphate 12-hydrate. ..... 10 g
Ethanol 96% ..... 16 ml
Water ..... 88 ml

Order code	Package	Units/Box st.
253949.1610	500 ml	6
253949.1611	1000 ml	6
253949.1612	2,5 l	4

Hayem's Liquor DC

for hematology, hematies

NC: 3822 00 00

HAZARDOUS:

Xn

R: 22 S: 36/37/39

1l~1,029kg 1kg~0,972l

Composition:

Sodium Sulphate 10-hydrate ..... 6,07 g
Sodium Chloride ..... 0,74 g
Mercury(II) Chloride ..... 0,15 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
251389.1209	250 ml	6

Helianthin

(see Methyl Orange)

Hematoxylin (C.I. 75290) (Reag. USP) PA

pH indicator and for complexometry 5,0 yellow; 7,2 red violet
$C_{16}H_{14}O_6.xH_2O$
M: 302,29(anh) CAS: 517-28-2 EINECS: 208-237-3 NC: 3203 00 10
SPECIFICATIONS:
Identity.....IR p/t.
λ of max. ABS at pH 11,3..... 490-500 nm
A 1%, 1cm, λmax.....>525
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
pH transition interval:
yellow 5,0
violet red.....7,2
Loss on drying at 135°C..... 10 %
Residue on ignition (as SO_4) ..... 0,5 %
Cu ..... 0,005 %
Fe..... 0,005 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
121344.1604	5 g	6
121344.1606	25 g	6

Hematoxylin (C.I. 75290) DC

for microscopy, vagina smear staining
$C_{16}H_{14}O_6.xH_2O$
M: 302,29(anh) CAS: 517-28-2 EINECS: 208-237-3 NC: 3203 00 10
SPECIFICATIONS:
Identity.....IR p/t.
λ of max. ABS at pH 11,3..... 490-500 nm
A 1%, 1cm, λmax.....>500
Ratio λmax. P±15 nm..... 0,98-1,04
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 135°C..... 10 %

Order code	Package	Units/Box st.
251344.1604	5 g	6
251344.1606	25 g	6

Hematoxylin solution according to Carazzi, Gill, Harris and Mayer

(see Carazzi's, Gill's, Harris and Mayer's Hematoxylin solutions)

Hematoxylin solution A according to Weigert DC

for microscopy
NC: 3203 00 10 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F
R: 11 S: 7-16
1l~0,812kg 1kg~1,232l
Composition:
Hematoxylin.....1 g
Ethanol absolute.....100 ml

Order code	Package	Units/Box st.
253453.1210	500 ml	6
253453.1211	1000 ml	6

Hematoxylin solution B according to Weigert DC

for microscopy
NC: 3203 00 10
1l~1,013kg 1kg~0,987l
Composition:
Iron(III) Chloride 30% aqueous solution. .....4 ml
Hydrochloric Acid 35% .....1 ml
Water s.q.m .....100 ml

Order code	Package	Units/Box st.
253454.1210	500 ml	6
253454.1211	1000 ml	6

Hemoglobine (Additive) CULTIMED

Enrichment additive for the isolation of some fastidious microorganisms.
NC: 3002 10 91
SPECIFICATIONS:
pH of 5% solution 7,5-8,5
Loss on drying at 105°C..... 5 %
Insoluble matter in H_2O..... p/t.
Salmonella..... Absence/10 g

Order code	Package	Units/Box st.
402876.1210	500 g	6
402876.0914	5 kg	
402876.0416	25 kg	

HEPES

(see 2-[4(2-Hydroxyethyl)-1-Piperazinyl] Ethanesulfonic Acid)

HEPPS

(see 3-[4(2-Hydroxyethyl)-1-Piperazinyl] Propanesulphonic Acid)

HEPPSO

(see 2-Hydroxy-3-[4(2-Hydroxyethyl)-1-Piperazinyl] Propanesulphonic Acid 1-hydrate)

Heptafluorobutyric Anhydride CG

for derivatization (GC)
$C_8F_{14}O_3$
M: 410,06 CAS: 336-59-4 EINECS: 206-410-8 NC: 2915 90 80 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
C
R: 34 S: 26-36/37/39-45
1l~1,653kg 1kg~0,605l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity.....IR p/t.
Product bottled under nitrogen atmosphere.

Order code	Package	Units/Box st.
355584.1905	10 ml	6

Heptafluorobutyric Anhydride, 99% PS

$C_8F_{14}O_3$
M: 410,06 CAS: 336-59-4 EINECS: 206-410-8 NC: 2915 90 80 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
C
R: 34 S: 26-36/37/39-45
1l~1,653kg 1kg~0,605l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %

Order code	Package	Units/Box st.
155584.1606	25 g	6

n-Heptane (UV-IR-HPLC-HPLC preparative) PAI

C_7H_{16}
M: 100,21 CAS: 142-82-5 EINECS: 205-563-8 NC: 2901 10 00 UN: 1206
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn N
R: 11-38-65-67-50/53 S: 9-16-29-33-60-61-62
CE: 601-008-00-2
1l~0,684kg 1kg~1,462l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,0 %
Density at 20/4 0,683-0,685
MAXIMUM LIMIT OF IMPURITIES
APHA colour.....10
Non-volatile matter..... 0,0003 %
Acidity..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O)..... 0,005 %
Suitability for IR spectrometry..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	200 (Cut off)	210	220	230	245-400
A (AU)	0,699	0,301	0,097	0,036	0,009
T (%)	20	50	80	92	98

Fluorescence (as quinine):

λ (nm)	254	365
ppb	1	1

Microfiltered product (0,2 um) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity.....0,2
Eluotropic value E°(Al_2O_3) 0,01
Sol. H_2O in solv. at 20°C.....0,01
P' + 0,25 E.....0,5
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
362062.1611	1000 ml	6
362062.1612	2,5 l	4
362062.0314	5 l	4
362062.0316	25 l	

n-Heptane dry (max. 0,005% water) DS

C_7H_{16}

M: 100,21 CAS: 142-82-5 EINECS: 205-563-8 NC: 2901 10 00 UN: 1206
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn N

R: 11-38-65-67-50/53 S: 9-16-29-33-60-61-62

CE: 601-008-00-2

1l~0,684kg 1kg~1,462l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 20/4 0,683-0,685

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Darkened substances by H_2SO_4 ..... p/t.
Sulphur compounds (as S) ..... 0,005 %
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,005 %
Thiophene ..... p/t.

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pt	0,1
Al	0,5	Ge	0,05	S	0,2
As	0,5	Hg	0,05	Sb	0,02
Au	0,1	In	0,05	Si	0,2
B	0,02	K	0,1	Sn	0,1
Ba	0,1	Li	0,05	Sr	0,2
Be	0,02	Mg	0,1	Ti	0,02
Bi	0,05	Mn	0,02	Tl	0,02
Ca	0,5	Mo	0,02	V	0,02
Cd	0,05	Na	0,5	Zn	0,1
Co	0,02	Ni	0,02	Zr	0,02
Cr	0,02	P	0,2		
Cu	0,02	Pb	0,1		

Order code	Package	Units/Box st.
482062.1611	1000 ml	6

n-Heptane PA

C_7H_{16}

M: 100,21 CAS: 142-82-5 EINECS: 205-563-8 NC: 2901 10 00 UN: 1206
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn N

R: 11-38-65-67-50/53 S: 9-16-29-33-60-61-62

CE: 601-008-00-2

1l~0,684kg 1kg~1,462l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 20/4 0,683-0,685

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,0003 meq/g
Sulphur compounds (as S) ..... 0,005 %
Water (H_2O) ..... 0,01 %
Thiophene ..... p/t.

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pt	0,1
Al	0,5	Ge	0,05	S	0,2
As	0,5	Hg	0,05	Sb	0,02
Au	0,1	In	0,05	Si	0,2
B	0,02	K	0,1	Sn	0,1
Ba	0,1	Li	0,05	Sr	0,2
Be	0,02	Mg	0,1	Ti	0,02
Bi	0,05	Mn	0,02	Tl	0,02
Ca	0,5	Mo	0,02	V	0,02
Cd	0,05	Na	0,5	Zn	0,1
Co	0,02	Ni	0,02	Zr	0,02
Cr	0,02	P	0,2		
Cu	0,02	Pb	0,1		

Order code	Package	Units/Box st.
122062.1611	1000 ml	6
122062.1612	2,5 l	4
122062.0314	5 l	4

n-Heptane PRS

C_7H_{16}

M: 100,21 CAS: 142-82-5 EINECS: 205-563-8 NC: 2901 10 00 UN: 1206
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn N

R: 11-38-65-67-50/53 S: 9-16-29-33-60-61-62

CE: 601-008-00-2

1l~0,684kg 1kg~1,462l

SPECIFICATIONS:

Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,683-0,685
Non-volatile matter ..... 0,005 %
Acidity ..... 0,001 meq/g
Sulphur compounds (as S) ..... 0,01 %
Water (H_2O) ..... 0,02 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
142062.1611	1000 ml	6
142062.1612	2,5 l	4
142062.0314	5 l	4
142062.0616	25 l	

n-Heptane, 99% PS

C_7H_{16}

M: 100,21 CAS: 142-82-5 EINECS: 205-563-8 NC: 2901 10 00 UN: 1206
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn N

R: 11-38-65-67-50/53 S: 9-16-29-33-60-61-62

CE: 601-008-00-2

1l~0,684kg 1kg~1,462l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,683-0,685
Non-volatile matter ..... 0,001 %
Water (H_2O) ..... 0,01 %

Order code	Package	Units/Box st.
162062.1611	1000 ml	6
162062.1714	5 l	4
162062.0616	25 l	

n-Heptane (ASTM) RE

C_7H_{16}

M: 100,21 CAS: 142-82-5 EINECS: 205-563-8 NC: 2901 10 00 UN: 1206
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn N

R: 11-38-65-67-50/53 S: 9-16-29-33-60-61-62

CE: 601-008-00-2

1l~0,684kg 1kg~1,462l

SPECIFICATIONS:

Minimum assay ..... 99,75 %
Isooctane ..... 0,1 %
Lead ..... 0,002 %

Order code	Package	Units/Box st.
172062.0616	25 l	

PRS-CODEX

Productos que satisfacen las especificaciones definidas por las farmacopeas, indicadas en la etiqueta del producto
Chemicals according to specifications defined by pharmacopoeias, specified on the label
Produits répondant aux spécifications selon pharmacopée indiquée

Heptane, alkanes mixture PA

C_7H_{16}

M: 100,21 CAS: 142-82-5 EINECS: 205-563-8 NC: 2901 10 00 UN: 1206
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N **R: 11-38-65-67-50/53 S: 9-16-29-33-60-61-62**
CE: 601-008-00-2
1l~0,710kg 1kg~1,408l
SPECIFICATIONS:
Density at 20/4 0,700-0,720
MAXIMUM LIMIT OF IMPURITIES
Non-volatile matter ..... 0,001 %
Darkened substances by H_2SO_4 ..... p/t.
Sulphur compounds (as S) ..... 0,005 %
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,01 %
Thiophene ..... p/t.
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

Order code	Package	Units/Box st.
121345.1611	1000 ml	6
121345.1612	2,5 l	4
121345.0314	5 l	4
121345.0316	25 l	

Heptane, alkanes mixture PRS

C_7H_{16}

M: 100,21 CAS: 142-82-5 EINECS: 205-563-8 NC: 2901 10 00 UN: 1206
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N **R: 11-38-65-67-50/53 S: 9-16-29-33-60-61-62**
CE: 601-008-00-2
1l~0,710kg 1kg~1,408l
SPECIFICATIONS:
Density at 20/4 0,700-0,720
Non-volatile matter ..... 0,005 %
Sulphur compounds (as S) ..... 0,01 %
Acidity ..... 0,001 meq/g
Water (H_2O) ..... 0,02 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141345.1611	1000 ml	6
141345.1612	2,5 l	4
141345.0314	5 l	4
141345.0616	25 l	

Heptane, alkanes mixture PS

C_7H_{16}

M: 100,21 CAS: 142-82-5 EINECS: 205-563-8 NC: 2901 10 00 UN: 1206
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N **R: 11-38-65-67-50/53 S: 9-16-29-33-60-61-62**
CE: 601-008-00-2
1l~0,710kg 1kg~1,408l
SPECIFICATIONS:
Density at 20/4 0,700-0,720
Non-volatile matter ..... 0,001 %
Water (H_2O) ..... 0,01 %

Order code	Package	Units/Box st.
161345.1611	1000 ml	6
161345.1714	5 l	4

1-Heptane Sulphonic Acid Sodium Salt (HPLC) PAI

for ion pair chromatography
$C_7H_{15}NaO_3S$

M: 202,25 CAS: 22767-50-6 EINECS: 245-210-5 NC: 2904 10 00
SPECIFICATIONS:
Minimum assay (Acidim.) calc. a.d.s ..... 99,0 %
Identity ..... IR p/t.
UV Spectrum 0,005 mol/l solution
UV Spectrum (1 cm cell. Ref.: water)

λ (nm)	200	220	250
A (AU)	0,155	0,046	0,009
T (%)	70	90	98

Order code	Package	Units/Box st.
364897.1606	25 g	6

Heptanoic Acid, 98,5% PS

$C_7H_{14}O_2$

M: 130,19 CAS: 111-14-8 EINECS: 203-838-7 NC: 2915 90 80 UN: 3265
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C **R: 34 S: 26-28a-36/37/39-45 CE: 607-196-00-2**
1l~0,918kg 1kg~1,089l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98,5 %
Identity ..... IR p/t.
Density at 20/4 0,917-0,919
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
15C506.1608	100 ml	6
15C506.1612	2,5 l	4

Heptanoic Acid Chloride

(see Heptanoyl Chloride)

Heptanoyl Chloride, 98,5% PS

$C_7H_{13}ClO$

M: 148,63 CAS: 2528-61-2 EINECS: 219-775-3 NC: 2915 90 80 UN: 3265
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C **R: 34 S: 25-36/37/39-45**
1l~0,960kg 1kg~1,042l
SPECIFICATIONS:
Assay ..... 98,5 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C319.1608	100 ml	6

n-Heptyl Bromide

(see 1-Bromoheptane)

Heteroauxin

(see 1H-Indole-3-Acetic Acid)

Hexachloroplatinic(IV) Acid 6-hydrate (Reag. Ph. Eur.) PA-ACS

$H_2Cl_6Pt.6H_2O$

M: 517,92 CAS: 18497-13-7 EINECS: 241-010-7 NC: 2843 90 90 UN: 2507
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:

T **R: 25-34-42/43 S: 22-26-36/37/39-45**
SPECIFICATIONS:
Minimum assay (Pt) ..... 37,50 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,01 %
Insoluble matter in C_2H_5OH ..... p/t.
Alkalis and other salts (as SO_4) ..... 0,05 %
Sensitivity to K ..... p/t.
Ag ..... 0,01 %
Al ..... 0,02 %
Au ..... 0,01 %
Ba ..... 0,02 %
Ca ..... 0,02 %
Cu ..... 0,02 %
Fe ..... 0,02 %
K ..... 0,02 %
Mg ..... 0,02 %
Na ..... 0,02 %
Ni ..... 0,02 %

Order code	Package	Units/Box st.
134433.1603	1 g	6

Hexachloroplatinic(IV) Acid 6-hydrate solution 10% (3,8% Pt) PA

$H_2(PtCl_6).6H_2O$

M: 517,90 CAS: 18497-13-7 EINECS: 241-010-7 NC: 2843 90 90 UN: 3264
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:

C

R: 34-42/43 S: 23c-26-36/37/39-45
1l~1,060kg 1kg~0,943l
SPECIFICATIONS:
Assay (as Pt) ..... 3,8 %

Order code	Package	Units/Box st.
125491.1604	5 ml	6
125491.1606	25 ml	6

Hexadecanoic Acid

(see Palmitic Acid)

Hexadecanoic Acid Methyl Ester

(see Methyl Palmitate)

1-Hexadecanol

(see Cetyl Alcohol)

Hexadecyl Alcohol

(see Cetyl Alcohol)

Hexadecyltrimethylammonium Bromide

(see N-Cetyl-N,N,N-Trimethylammonium Bromide)

Hexahydropyrazine

(see Piperazine)

Hexahydropyridine

(see Piperidine)

Hexahydrothymol

(see L(-)-Menthol)

Hexamethyldisilazane (VLSI) EG

$(CH_3)_3SiNHSi(CH_3)_3$

M: 161,41 CAS: 999-97-3 EINECS: 213-668-5 NC: 2931 00 95 UN: 2924
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn

R: 11-E20/21/22-36/37/38 S: 16-36/37
1l~0,774kg 1kg~1,292l
SPECIFICATIONS:
Assay (HMDS+HMDO) ..... 99,5 %
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0005 %
Chloride (Cl) ..... 0,0001 %
0,5 µm particles ..... 250 /ml
Metals by ICP [µg/Kg (ppb)]

Ag	10	Co	10	Na	50
Al	50	Cr	10	Ni	10
As	10	Cu	10	Pb	10
Au	10	Fe	50	Sb	10
B	20	Ga	10	Sn	10
Ba	20	K	20	Sr	10
Be	10	Li	10	Ti	10
Bi	10	Mg	20	V	10
Ca	50	Mn	10	Zn	20
Cd	10	Mo	10	Zr	10

Order code	Package	Units/Box st.
875599.1612	2,5 l	4

Hexamethyldisilazane CG

for derivatization (GC)
$(CH_3)_3SiNHSi(CH_3)_3$

M: 161,41 CAS: 999-97-3 EINECS: 213-668-5 NC: 2931 00 95 UN: 2924
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn

R: 11-E20/21/22-36/37/38 S: 16-36/37
1l~0,774kg 1kg~1,292l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98,5 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
355599.1606	25 ml	6

Hexamethyldisilazane, 98% PS

$(CH_3)_3SiNHSi(CH_3)_3$

M: 161,41 CAS: 999-97-3 EINECS: 213-668-5 NC: 2931 00 95 UN: 2924
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn

R: 11-E20/21/22-36/37/38 S: 16-36/37
1l~0,774kg 1kg~1,292l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,768-0,772

Order code	Package	Units/Box st.
165599.1609	250 ml	6

Hexamethylenediamine, 99% PS

$NH_2(CH_2)_6NH_2$

M: 116,21 CAS: 124-09-4 EINECS: 204-679-6 NC: 2921 22 00 UN: 2280
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:

C

R: 21/22-34-37 S: 22-26-36/37/39-45 CE: 612-104-00-9
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 38-42°C

Order code	Package	Units/Box st.
161277.1609	250 g	6
161277.1611	1000 g	6

Hexamethylenetetramine (Reag. Ph. Eur.) PA-ACS

$(CH_2)_6N_4$

M: 140,19 CAS: 100-97-0 EINECS: 202-905-8 NC: 2933 69 20 UN: 1328
IMDG: 4.1/III ADR: 4.1/III IATA: 4.1/III PAX: 419 CAO: 420
HAZARDOUS:

F Xn

R: 11-42/43 S: 16-22-24-37 CE: 612-101-00-2
SPECIFICATIONS:
Minimum assay (Acidim.) a.d.s. ..... 99,0 %
Identity ..... IR p/t.
pH of 10% solution 8,0-9,5
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,01 %
Loss on drying ..... 2,0 %
Residue on ignition (as SO_4) ..... 0,05 %
Chloride (Cl) ..... 0,002 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
Metals by ICP [mg/Kg (ppm)]

Al	5	Ge	5	Se	5
B	5	In	5	Si	5
Ba	5	K	5	Sn	5
Be	5	Mg	5	Sr	5
Ca	5	Mn	5	Ti	5
Cd	5	Mo	5	Tl	5
Co	5	Ni	10	V	5
Cr	5	Pb	10	Zn	5
Cu	10	Pt	5	Zr	5
Fe	10	Sb	5		

Order code	Package	Units/Box st.
131346.1210	500 g	6
131346.1211	1000 g	6

Hexamethylenetetramine PRS

$(CH_2)_6N_4$

M: 140,19 CAS: 100-97-0 EINECS: 202-905-8 NC: 2933 69 20 UN: 1328
IMDG: 4.1/III ADR: 4.1/III IATA: 4.1/III PAX: 419 CAO: 420
HAZARDOUS:

F Xn

R: 11-42/43 S: 16-22-24-37 CE: 612-101-00-2
SPECIFICATIONS:
Assay (Acidim.) a.d.s 99,0-100,5%
Identity ..... IR p/t.
Insoluble matter in H_2O ..... 0,01 %
Loss on drying ..... 2,0 %
Residue on ignition (as SO_4) ..... 0,05 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,001 %

Order code	Package	Units/Box st.
141346.1210	500 g	6
141346.1211	1000 g	6

Hexamethylenetetramine, 99% PS

$(CH_2)_6N_4$

M: 140,19 CAS: 100-97-0 EINECS: 202-905-8 NC: 2933 69 20 UN: 1328
IMDG: 4.1/III ADR: 4.1/III IATA: 4.1/III PAX: 419 CAO: 420
HAZARDOUS:

F Xn

R: 11-42/43 S: 16-22-24-37 CE: 612-101-00-2

SPECIFICATIONS:
Assay (Acidim.) a.d.s ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
151346.1206	25 g	6
151346.1211	1000 g	6

Hexamethylpararosaniline Chloride

(see Crystal Violet)

Hexamine

(see Hexamethylenetetramine)

n-Hexane (UV-IR-HPLC) PAI

C_6H_{14}

M: 86,18 CAS: 110-54-3 EINECS: 203-777-6 NC: 2901 10 00 UN: 1208
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N

R: 11-38-48/20-62-65-67-51/53
S: 9-16-29-33-36/37-61-62 CE: 601-037-00-0

1l~0,661kg 1kg~1,513l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,0 %
Density at 20/4 0,660-0,662

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0003 %
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,005 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	195 (Cut off)	200	210	220	225	230	245-400
A (AU)	1,000	0,699	0,222	0,071	0,046	0,027	0,009
T (%)	10	20	60	85	90	94	98

Fluorescence (as quinine):

λ (nm)	254	365
ppb	2	2

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 0,1
Eluotropic value E°(Al_2O_3) 0,01
Sol. H_2O in solv. at 20°C 0,01
P' + 0,25 E 0,5
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
362063.1611	1000 ml	6
362063.1612	2,5 l	4
362063.1646	4 l	4

n-Hexane (Reag. USP, Ph. Eur.) PA-ACS

C_6H_{14}

M: 86,18 CAS: 110-54-3 EINECS: 203-777-6 NC: 2901 10 00 UN: 1208
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N

R: 11-38-48/20-62-65-67-51/53
S: 9-16-29-33-36/37-61-62 CE: 601-037-00-0

1l~0,661kg 1kg~1,513l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 20/20 0,659-0,663
Refractive index n ^{20}/D 1,375-1,376
Distillation range (>95% dist.) ..... 67-69°C

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,001 %
Darkened substances by H_2SO_4 ..... p/t.
Aromatic hydrocarbons (U.V.)(as C_6H_6) ..... 0,01 %
Sulphur compounds (as S) ..... 0,005 %
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,01 %
Thiophene ..... p/t.

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	Sb	0,02
Au	0,05	Hg	0,05	Si	0,2
B	0,2	In	0,05	Sn	0,1
Ba	0,1	K	0,1	Sr	0,2
Be	0,02	Li	0,05	Ti	0,02
Bi	0,05	Mg	0,1	Tl	0,02
Ca	0,5	Mn	0,02	V	0,02
Cd	0,05	Mo	0,02	Zn	0,1
Co	0,02	Na	0,5	Zr	0,02
Cr	0,02	Ni	0,02		
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
132063.1611	1000 ml	6
132063.1612	2,5 l	4
132063.0314	5 l	4
132063.0316	25 l	

n-Hexane PRS

C_6H_{14}

M: 86,18 CAS: 110-54-3 EINECS: 203-777-6 NC: 2901 10 00 UN: 1208
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N

R: 11-38-48/20-62-65-67-51/53
S: 9-16-29-33-36/37-61-62 CE: 601-037-00-0

1l~0,661kg 1kg~1,513l

SPECIFICATIONS:
Assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,660-0,662
Non-volatile matter ..... 0,005 %
Acidity ..... 0,001 meq/g
Sulphur compounds (as S) ..... 0,01 %
Water (H_2O) ..... 0,02 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
142063.1611	1000 ml	6
142063.1612	2,5 l	4
142063.0314	5 l	4
142063.0616	25 l	

PAI
UV-IR-HPLC

Disolventes para HPLC y espectroscopia
Solvents for HPLC and spectroscopy
Solvants pour HPLC et spectroscopie

n-Hexane 95% (UV-IR-HPLC) PAI-ACS

C_6H_{14}

M: 86,18 CAS: 110-54-3 EINECS: 203-777-6 NC: 2901 10 00 UN: 1208
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn N

R: 11-38-48/20-62-65-67-51/53
S: 9-16-29-33-36/37-61-62 CE: 601-037-00-0

1l~0,663kg 1kg~1,508l

SPECIFICATIONS:

Minimum assay (G.C.) (as n-Hexane) ..... 95,0 %
Minimum assay (G.C.) (as isomers) ..... 98,5 %

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,0003 %
Acidity ..... 0,0003 meq/g
Sulphur compounds (as S) ..... 0,005 %
Tiophene (C_4H_4S) ..... p/t.
Water (H_2O) ..... 0,01 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	195 (Cut off)	200	210	220	230	245-400
A (AU)	1,000	0,699	0,222	0,097	0,027	0,009
T (%)	10	20	60	80	94	98

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 0,1
Eluotropic value E°(Al_2O_3) 0,01
Sol. H_2O in solv. at 20°C 0,01
P' + 0,25 E 0,5
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
363242.1611	1000 ml	6
363242.1612	2,5 l	4

n-Hexane 95% (PAR) PAI

C_6H_{14}

M: 86,18 CAS: 110-54-3 EINECS: 203-777-6 NC: 2901 10 00 UN: 1208
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn N

R: 11-38-48/20-62-65-67-51/53
S: 9-16-29-33-36/37-61-62 CE: 601-037-00-0

1l~0,663kg 1kg~1,508l

SPECIFICATIONS:

Minimum assay (G.C.)(as n-Hexane) ..... 95,0 %
Minimum assay (G.C.)(as isomers) ..... 98,5 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,0005 %
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,01 %
Signal ECD of pesticide (Lindane to DDT) (as Lindane) ..... 5 ng/l
Signal PND of pestidice (Ethylparathion to Coumaphos)
(as Ethylparathion) ..... 5 ng/l
Signal FID of 2-Octanol to Tetradecanol (as 2-Octanol) ..... p/t.

Order code	Package	Units/Box st.
323242.1611	1000 ml	6
323242.1612	2,5 l	4

n-Hexane 95% dry (max. 0,005% water) DS-ACS

C_6H_{14}

M: 86,18 CAS: 110-54-3 EINECS: 203-777-6 NC: 2901 10 00 UN: 1208
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn N

R: 11-38-48/20-62-65-67-51/53
S: 9-16-29-33-36/37-61-62 CE: 601-037-00-0

1l~0,663kg 1kg~1,508l

SPECIFICATIONS:

Minimum assay (G.C.)(as n-Hexane) ..... 95,0 %
Minimum assay (G.C.)(as isomers) ..... 98,5 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Darkened substances by H_2SO_4 ..... p/t.
Aromatic hydrocarbons (U.V.)(as C_6H_6) ..... 0,01 %
Sulphur compounds (as S) ..... 0,005 %
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,005 %
Thiophene (C_4H_4S) ..... p/t.

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,1
As	0,5	Ge	0,05	S	0,2
Au	0,1	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
483242.1611	1000 ml	6

n-Hexane 95% PA-ACS

C_6H_{14}

M: 86,18 CAS: 110-54-3 EINECS: 203-777-6 NC: 2901 10 00 UN: 1208
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn N

R: 11-38-48/20-62-65-67-51/53
S: 9-16-29-33-36/37-61-62 CE: 601-037-00-0

1l~0,663kg 1kg~1,508l

SPECIFICATIONS:

Minimum assay (G.C.) (as n-Hexane) ..... 95,0 %
Minimum assay (G.C.) (as isomers) ..... 98,5 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Darkened substances by H_2SO_4 ..... p/t.
Aromatic hydrocarbons (UV) (as C_6H_6) ..... 0,01 %
Sulphur compounds (as S) ..... 0,005 %
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,01 %
Thiophene (C_4H_4S) ..... p/t.

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,1
As	0,5	Ge	0,05	S	0,2
Au	0,1	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
133242.1611	1000 ml	6
133242.1612	2,5 l	4
133242.0314	5 l	4
133242.0316	25 l	

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Productos de microbiología
Microbiological products
Produits pour la microbiologie

n-Hexane 95% PRS

C_6H_{14}

M: 86,18 CAS: 110-54-3 EINECS: 203-777-6 NC: 2901 10 00 UN: 1208
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N

R: 11-38-48/20-62-65-67-51/53
S: 9-16-29-33-36/37-61-62 CE: 601-037-00-0

1l~0,663kg 1kg~1,508l
SPECIFICATIONS:

Assay (G.C.) (as n-Hexane) ..... 95 %
Identity ..... IR p/t.
Non-volatile matter ..... 0,005 %
Sulphur compounds (as S) ..... 0,01 %
Acidity ..... 0,001 meq/g
Water (H_2O) ..... 0,02 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
143242.1611	1000 ml	6
143242.1612	2,5 l	4
143242.0314	5 l	4
143242.0616	25 l	

n-Hexane 95% PS

C_6H_{14}

M: 86,18 CAS: 110-54-3 EINECS: 203-777-6 NC: 2901 10 00 UN: 1208
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N

R: 11-38-48/20-62-65-67-51/53
S: 9-16-29-33-36/37-61-62 CE: 601-037-00-0

1l~0,663kg 1kg~1,508l
SPECIFICATIONS:

Minimum assay (G.C.)(as n-Hexane) ..... 95 %
Minimum assay (G.C.)(as isomers) ..... 98,5 %
Identity ..... IR p/t.
Non-volatile matter ..... 0,002 %
Water (H_2O) ..... 0,01 %

Order code	Package	Units/Box st.
163242.1611	1000 ml	6
163242.1612	2,5 l	4
163242.1714	5 l	4
163242.0616	25 l	

iso-Hexane

(see Isohexane)

Hexane, alkanes mixture (HPLC) PAI

C_6H_{14}

M: 86,18 CAS: 92112-69-1 EINECS: 295-570-2 NC: 2901 10 00 UN: 1208
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N

R: 11-38-51/53-65-67 S: 9-16-29-33-61-62

1l~0,67kg 1kg~1,49l
SPECIFICATIONS:

Minimum assay (G.C.) (as C_6H_{14} isomers) ..... 95,0 %

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter ..... 0,0005 %
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,01 %
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	200 (Cut off)	210	220	254-400
A (AU)	1,000	0,398	0,071	0,004
T (%)	10	40	85	99

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361347.1611	1000 ml	6
361347.1612	2,5 l	4
361347.0316	25 l	

Hexane, alkanes mixture (PAR) PAI

C_6H_{14}

M: 86,18 CAS: 92112-69-1 EINECS: 295-570-2 NC: 2901 10 00 UN: 1208
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N

R: 11-38-51/53-65-67 S: 9-16-29-33-61-62

1l~0,67kg 1kg~1,49l
SPECIFICATIONS:

Minimum assay (G.C.) (as isomers C_6H_{14}) ..... 95,0 %

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter ..... 0,0005 %
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,01 %
Signal ECD of pesticide (Lindane to DDT) (as Lindane) ..... 5 ng/l
Signal PND of pesticide (Ethylparathion to Coumaphos)
(as Ethylparathion) ..... 5 ng/l

Order code	Package	Units/Box st.
321347.1611	1000 ml	6
321347.1612	2,5 l	4

Hexane, alkanes mixture PA

C_6H_{14}

M: 86,18 CAS: 92112-69-1 EINECS: 295-570-2 NC: 2901 10 00 UN: 1208
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N

R: 11-38-51/53-65-67 S: 9-16-29-33-61-62

1l~0,67kg 1kg~1,49l
SPECIFICATIONS:

Minimum assay (G.C.) (as isomers C_6H_{14}) ..... 95,0 %

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter ..... 0,001 %
Darkened substances by H_2SO_4 ..... p/t.
Sulphur compounds (as S) ..... 0,005 %
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,01 %
Thiophene ..... p/t.

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	5,0		

Order code	Package	Units/Box st.
121347.1611	1000 ml	6
121347.1612	2,5 l	4
121347.0314	5 l	4
121347.0316	25 l	

Hexane, alkanes mixture PRS

C_6H_{14}

M: 86,18 CAS: 92112-69-1 EINECS: 295-570-2 NC: 2901 10 00 UN: 1208
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N

R: 11-38-51/53-65-67 S: 9-16-29-33-61-62

1l~0,67kg 1kg~1,49l
SPECIFICATIONS:

Assay (G.C.) (as isomers C_6H_{14}) ..... 95 %
Non-volatile matter ..... 0,005 %
Sulphur compounds (as S) ..... 0,01 %
Acidity ..... 0,001 meq/g
Water (H_2O) ..... 0,02 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141347.1611	1000 ml	6
141347.1612	2,5 l	4
141347.0314	5 l	4
141347.0616	25 l	

Hexane, 95% alkanes mixture PS

C_6H_{14}

M: 86,18 CAS: 92112-69-1 EINECS: 295-570-2 NC: 2901 10 00 UN: 1208
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N **R: 11-38-51/53-65-67 S: 9-16-29-33-61-62**

1l~0,67kg 1kg~1,49l
SPECIFICATIONS:
Minimum assay (G.C.)(as isomers C_6H_{14})..... 95 %
Non-volatile matter..... 0,001 %
Water (H_2O)..... 0,01 %

Order code	Package	Units/Box st.
161347.1611	1000 ml	6
161347.1612	2,5 l	4
161347.1714	5 l	4
161347.0616	25 l	

1,6-Hexanediamine

(see Hexamethylenediamine)

1-Hexane Sulphonic Acid Sodium Salt (HPLC) PAI

for ion pair chromatography
$C_6H_{13}NaO_3S$
M: 188,22 CAS: 2832-45-3 EINECS: 220-601-3 NC: 2904 10 00
Minimum assay (Acidim.) (a.d.s.)..... 99,0 %
Identity..... IR p/t.
UV Spectrum 0,005 mol/l solution
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	200	220	250
A (AU)	0,155	0,046	0,009
T (%)	70	90	98

Order code	Package	Units/Box st.
363428.1606	25 g	6

Hexanoic Acid, 98% PS

$CH_3(CH_2)_4COOH$
M: 116,16 CAS: 142-62-1 EINECS: 205-550-7 NC: 2915 90 80 UN: 2829
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:

Xi **R: 36 S: 24-26**

1l~0,927kg 1kg~1,079l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity..... IR p/t.
Density at 20/4 0,925-0,928

Order code	Package	Units/Box st.
162589.1610	500 ml	6
162589.1611	1000 ml	6
162589.1214	5 l	4

Hexanoic Acid Chloride

(see Hexanoyl Chloride)

Hexanoic Acid Methyl Ester

(see Methyl Hexanoate)

1-Hexanol, 98% PS

$C_6H_{14}O$
M: 102,17 CAS: 111-27-3 EINECS: 203-852-3 NC: 2905 19 00 UN: 2282
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn **R: 22 S: 24/25 CE: 603-059-00-6**

1l~0,821kg 1kg~1,218l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity..... IR p/t.
Density at 20/4 0,816-0,826

Order code	Package	Units/Box st.
165794.1210	500 ml	6
165794.1211	1000 ml	6

3-Hexanol, 98% PS

$C_6H_{14}O$
M: 102,17 CAS: 623-37-0 EINECS: 210-790-0 NC: 2905 19 00 UN: 2282
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

F Xn **R: 10-22 S: 16-24/25**

1l~0,819kg 1kg~1,221l
SPECIFICATIONS:
Assay..... 98 %
Identity..... IR p/t.

Order code	Package	Units/Box st.
15A165.1606	25 ml	6

Hexanoyl Chloride, 98% PS

$C_6H_{11}ClO$
M: 134,61 CAS: 142-61-0 EINECS: 205-549-1 NC: 2915 90 80 UN: 3265
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C **R: 14-34-37 S: 26-36/37/39-45**

1l~0,975kg 1kg~1,026l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity..... IR p/t.
Density at 20/4 0,975-0,978

Order code	Package	Units/Box st.
15A810.1608	100 ml	6

1,4,7,10,13,16-Hexaoxacyclooctadecane

(see Crown Ether/18-Crown-6)

n-Hexyl Alcohol

(see 1-Hexanol)

n-Hexyl Bromide

(see 1-Bromohexane)

Hexylene Glycol

(see 2-Methyl-2,4-Pentanediol)

HFBA

(see Heptafluorobutyric Anhydride)

L-Histidine PB

$C_6H_9N_3O_2$
M: 155,16 CAS: 71-00-1 EINECS: 200-745-3 NC: 2933 29 90
SPECIFICATIONS:
Minimum assay (Acidim.)..... 99,0 %
Identity..... IR p/t.
T.L.C ..... p/t.
Specific rotation $[\alpha]^{20}/D$ c= 11 (in HCl 3,3 mol/l)..... +11,8 to +12,8°
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O..... 0,005 %
Loss on drying at 105°C..... 0,2 %
Residue on ignition (as SO_4)..... 0,05 %
ABS at λ260 nm. sol. 0,1 mol/l in H_2O..... 0,05
ABS at λ280 nm. sol. 0,1 mol/l in H_2O..... 0,05
Chloride (Cl)..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb)..... 0,001 %
As ..... 0,00015 %
Ca..... 0,005 %
Cd..... 0,0005 %
Co..... 0,0005 %
Cr..... 0,0005 %
Cu..... 0,0005 %
Fe..... 0,0005 %
K..... 0,005 %
Mg ..... 0,005 %
Mn ..... 0,0005 %
Na..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
372045.1606	25 g	6
372045.1608	100 g	6

L-Histidine (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_6H_9N_3O_2$

M: 155,16 CAS: 71-00-1 EINECS: 200-745-3 NC: 2933 29 90

SPECIFICATIONS:

Assay (Acidim.) calc. a.d.s. 98,5-101,0%
Identity according to Pharmacopoeias ..... p/t.
T.L.C ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=11 (in HCl 3,3 mol/l)
(calc. a.d.s.) ..... +11,8 to +12,4°
Specific rotation $[\alpha]^{25}$/D c=11 (in HCl 6 mol/l) ..... +12,6 to +14,0°
pH of 2% solution 7,0-8,5

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Loss on drying at 105°C ..... 0,2 %
Residue on ignition (as SO_4) ..... 0,1 %
Chloride (Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,03 %
Ammonium (NH_4) ..... 0,02 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00015 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142045.1208	100 g	6

L-Histidine, 99% PS

$C_6H_9N_3O_2$

M: 155,16 CAS: 71-00-1 EINECS: 200-745-3 NC: 2933 29 90

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
152045.1606	25 g	6
152045.1608	100 g	6
152045.1610	500 g	6

L-Histidine mono-Hydrochloride 1-hydrate PB

$C_6H_9N_3O_2HCl.H_2O$

M: 209,63 CAS: 5934-29-2 EINECS: 211-438-9 NC: 2933 29 90

SPECIFICATIONS:

Minimum assay (Arg.) ..... 99,0 %
Identity ..... IR p/t.
T.L.C ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=11 (in HCl 6 mol/l) ..... +9,2 to +10,6°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,05 %
Loss on drying at 150°C ..... 7,0-10,0 %
Residue on ignition (as SO_4) ..... 0,05 %
ABS at λ260 nm 0,5 mol/l sol. in H_2O 0,05
ABS at λ280 nm 0,5 mol/l sol. in H_2O 0,05
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00015 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
372198.1606	25 g	6
372198.1608	100 g	6

L-Histidine mono-Hydrochloride 1-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX

$C_6H_9N_3O_2HCl.H_2O$

M: 209,63 CAS: 5934-29-2 EINECS: 211-438-9 NC: 2933 29 90

SPECIFICATIONS:

Assay (Arg.) (calc. a.a.s.) 98,5-101,0%
Identity according to Pharmacopoeias ..... p/t.
T.L.C ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=11, (in HCl 6 mol/l)
(calc. a.a.s.) ..... +9,2 to +10,6°
pH of 5% solution 3,0-5,0

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Loss on drying at 150°C ..... 7,0-10,0 %
Residue on ignition (as SO_4) ..... 0,1 %
Sulphate (SO_4) ..... 0,03 %
Ammonium (NH_4) ..... 0,02 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00015 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
142198.1208	100 g	6

L-Histidine mono-Hydrochloride 1-hydrate, 99% PS

$C_6H_9N_3O_2HCl.H_2O$

M: 209,63 CAS: 5934-29-2 EINECS: 211-438-9 NC: 2933 29 90

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
152198.1606	25 g	6
152198.1608	100 g	6

HISTOFIX

Histofix® decalcifier 1 DC

(® Registered trade-mark of Panreac Química S.A.U.)slow decalcifier and fixing agent

NC: 3822 00 00 UN: 3264

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

Xi Xn **R: 36/37/38-40-62 S: 26-45**

1l~1,038kg 1kg~0,963l

SPECIFICATIONS:

Suitability as decalcifier ..... p/t.

Order code	Package	Units/Box st.
256239.1211	1000 ml	6
256239.1214	5 l	4

Histofix® decalcifier 2 DC

(® Registered trade-mark of Panreac Química S.A.U.)medium decalcifier for fixed tissues

NC: 3822 00 00 UN: 3264

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

Xi **R: 36/37/38 S: 26**

1l~1,048kg 1kg~0,954l

SPECIFICATIONS:

Suitability as decalcifier ..... p/t.

Order code	Package	Units/Box st.
256238.1211	1000 ml	6
256238.1214	5 l	4

Histofix® decalcifier 3 DC

(® Registered trade-mark of Panreac Química S.A.U.)fast decalcifier for fixed tissues

NC: 3822 00 00 UN: 3264

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

Xi **R: 36/37/38 S: 26**

1l~1,046kg 1kg~0,956l

SPECIFICATIONS:

Suitability as decalcifier ..... p/t.

Order code	Package	Units/Box st.
256237.1211	1000 ml	6
256237.1212	2,5 l	4

Histofix® marrow decalcifier DC

(® Registered trade-mark of Panreac Química S.A.U.)

NC: 3822 00 00 UN: 2922

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

T

R: 23/24/25-33-52 S: 13-28a-45-60-61

Comprised of:
3x100 ml Solution A fixative
3x100 ml Solution B decalcifier

Order code	Package	Units/Box st.
256284.0922	pack	6

Histofix® Substitute of Formaldehyde DC

(® Registered trade-mark of Panreac Química S.A.U.) for histology, fixing

NC: 3822 00 00

HAZARDOUS:

Xn

R: 20-36/38-43-68 S: 36/37

1l~1,111kg 1kg~0,900l

Composition:
Glyoxal.....15-25 %
Ethanol absolute.....5-8 %
Acetic Acid glacial.....<5 %
Methanol.....<0,5 %

Order code	Package	Units/Box st.
255805.2711	1000 ml	6
255805.2714	5 l	4

Histofluid ®, mounting medium DC

for microscopy, mounting medium (® Registered trade-mark of Paul Marienfeld GmbH&Co.KG)

NC: 3822 00 00 UN: 1866

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

F Xn

R: 10-20/21-38 S: 25-36/37

1l~0,950kg 1kg~1,052l

SPECIFICATIONS:
Refractive index n ^{20}/D..... 1,493-1,496

Order code	Package	Units/Box st.
255598.0010	500 ml	6

HMDS

(see Hexamethyldisilazane)

HOBT

(see 1-Hydroxybenzotriazole)

HOLMIUM SOLUTIONS

(see Standards for ICP)

Holmium(III) Oxide (Reag. Ph. Eur.) PA

Ho_2O_3

M: 377,88 CAS: 12055-62-8 EINECS: 235-015-3 NC: 2846 90 00

SPECIFICATIONS:
Minimum assay .....99,9 %

Order code	Package	Units/Box st.
126069.1604	5 g	6

HPLC Linearity, Verification Kit

(see Kit for HPLC Linearity Verification)

Huenig's Base

(see N-Ethyl Di-Isopropylamine)

Hyamine 1622

(see Benzethonium Chloride)

Hydantoin, 99% PS

$C_3H_4N_2O_2$

M: 100,08 CAS: 461-72-3 EINECS: 207-313-3 NC: 2933 21 00

SPECIFICATIONS:
Assay.....99 %
Identity.....IR p/t.

Order code	Package	Units/Box st.
15B690.1208	100 g	6
15B690.1210	500 g	6

Hydrazine

(see Hydrazinium compounds)

Hydrazine Hydrate

(see Hydrazinium Hydroxide)

Hydrazine di-Hydrochloride

(see Hydrazinium di-Chloride)

Hydrazinium mono-Bromide, 99% PS

$H_2N\text{-}NH_2HBr$

M: 112,96 CAS: 13775-80-9 EINECS: 237-412-7 NC: 2825 10 00 UN: 3288

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T N

R: 45-E23/24/25-43-50/53 S: 53-45-60-61 CE: 007-014-00-6

SPECIFICATIONS:
Assay (Iodom.).....99 %
Identity.....IR p/t.

Order code	Package	Units/Box st.
153241.1207	50 g	6
153241.1209	250 g	6

Hydrazinium mono-Chloride PRS

$H_2N\text{-}NH_2.HCl$

M: 68,50 CAS: 2644-70-4 EINECS: 220-154-4 NC: 2825 10 00 UN: 3288

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T N

R: 45-E23/24/25-43-50/53 S: 53-45-60-61 CE: 007-014-00-6

SPECIFICATIONS:
Assay (Iodom.).....99 %
Identity.....IR p/t.
Insoluble matter in H_2O.....0,01 %
Residue on ignition (as SO_4).....0,05 %
Sulphate (SO_4).....0,005 %
Cu.....0,0005 %
Fe.....0,0005 %
Ni.....0,0005 %
Pb.....0,0005 %
Zn.....0,0005 %

Order code	Package	Units/Box st.
142594.1210	500 g	6
142594.1211	1000 g	6
142594.0914	5 kg	

Hydrazinium mono-Chloride, 99% PS

$H_2N\text{-}NH_2.HCl$

M: 68,50 CAS: 2644-70-4 EINECS: 220-154-4 NC: 2825 10 00 UN: 3288

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T N

R: 45-E23/24/25-43-50/53 S: 53-45-60-61 CE: 007-014-00-6

SPECIFICATIONS:
Assay (Iodom.).....99 %
Identity.....IR p/t.

Order code	Package	Units/Box st.
152594.1209	250 g	6
152594.1211	1000 g	6

Hydrazinium di-Chloride (Reag. USP) PA

$H_2N\text{-}NH_2.2HCl$

M: 104,97 CAS: 5341-61-7 EINECS: 226-283-2 NC: 2825 10 00 UN: 3288

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T N

R: 45-E23/24/25-43-50/53 S: 53-45-60-61 CE: 007-014-00-6

SPECIFICATIONS:
Minimum assay (Iodom.).....99,0 %
Identity.....IR p/t.

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O.....0,01 %
Residue on ignition (as SO_4).....0,05 %
Sulphate (SO_4).....0,002 %
Ca.....0,001 %
Cd.....0,0005 %
Co.....0,0005 %
Cr.....0,0005 %
Cu.....0,0005 %
Fe.....0,0005 %
K.....0,005 %
Mg.....0,0005 %
Mn.....0,0005 %
Na.....0,005 %
Ni.....0,0005 %
Pb.....0,0005 %
Zn.....0,0005 %

Order code	Package	Units/Box st.
122595.1210	500 g	6
122595.1211	1000 g	6
122595.0914	5 kg	

Hydrazinium di-Chloride, 99% PS

$H_2N-NH_2.2HCl$

M: 104,97 CAS: 5341-61-7 EINECS: 226-283-2 NC: 2825 10 00 UN: 3288
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T N **R: 45-E23/24/25-43-50/53 S: 53-45-60-61 CE: 007-014-00-6**

SPECIFICATIONS:
Assay (Iodom.) ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
152595.1208	100 g	6
152595.1210	500 g	6

Hydrazinium Hydroxide 100% PS

$H_2N-NH_3^+OH^-$

M: 50,06 CAS: 7803-57-8 EINECS: 206-114-9 NC: 2825 10 00 UN: 2030
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: P CAO: 812
HAZARDOUS:

T N **R: 45-E23/24/25-34-43-50/53 S: 53-45-60-61**

CE: 007-008-00-3
SPECIFICATIONS:
1l~1,030kg 1kg~0,970l
Minimum assay (Iodom.) ..... 99 %
Density at 20/4 1,030-1,032

Order code	Package	Units/Box st.
15A811.1211	1000 ml	6

Hydrazinium Hydroxide 80% PA

$H_2N-NH_3^+OH^-$

M: 50,06 CAS: 10217-52-4 EINECS: 206-114-9 NC: 2825 10 00 UN: 2030
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: P CAO: 812
HAZARDOUS:

T N **R: 45-E23/24/25-34-43-50/53 S: 53-45-60-61**

CE: 007-008-00-3
1l~1,030kg 1kg~0,971l
SPECIFICATIONS:
Minimum assay (Iodom.) ..... 80,0 %
MAXIMUM LIMIT OF IMPURITIES
Chloride (Cl) ..... 0,003 %
Sulphate (SO_4) ..... 0,005 %
Cu ..... 0,0005 %
K ..... 0,005 %
Na ..... 0,015 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
121349.1211	1000 ml	6
121349.1214	5 l	4

Hydrazinium Hydroxide 80% PS

$H_2N-NH_3^+OH^-$

M: 50,06 CAS: 10217-52-4 EINECS: 206-114-9 NC: 2825 10 00 UN: 2030
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: P CAO: 812
HAZARDOUS:

T N **R: 45-E23/24/25-34-43-50/53 S: 53-45-60-61**

CE: 007-008-00-3
1l~1,030kg 1kg~0,971l
SPECIFICATIONS:
Assay (Iodom.) ..... 80 %

Order code	Package	Units/Box st.
151349.1211	1000 ml	6

Hydrazinium Sulphate PA-ACS

$H_2N-NH_2.H_2SO_4$

M: 130,12 CAS: 10034-93-2 EINECS: 233-110-4 NC: 2825 10 00 UN: 3288
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T N **R: 45-E23/24/25-43-50/53 S: 53-45-60-61**

CE: 007-014-00-6
SPECIFICATIONS:
Minimum assay (Iodom.) ..... 99,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Residue on ignition (as SO_4) ..... 0,02 %
Chloride (Cl) ..... 0,001 %
Heavy metals (as Pb) ..... 0,001 %
Metals by ICP [mg/Kg (ppm)]

Ba	5	Cu	10	Ni	10
Be	5	Fe	10	Pb	10
Cd	5	In	5	Si	5
Co	5	Mn	5	Sr	5

Order code	Package	Units/Box st.
131350.1210	500 g	6
131350.1211	1000 g	6
131350.0914	5 kg	

Hydrindantine 2-hydrate PA

for determination of aminoacids

$C_{18}H_{10}O_6.2H_2O$

M: 358,31 CAS: 5950-69-6 EINECS: 225-823-4 NC: 2914 40 90
HAZARDOUS:

Xi **R: 36/37/38**

SPECIFICATIONS:
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 150°C ..... 9-12 %
Suitability for aminoacids determination ..... p/t.

Order code	Package	Units/Box st.
123226.1605	10 g	6
123226.1608	100 g	6

Hydriodic Acid 57% PA-ACS

HI

M: 127,91 CAS: 10034-85-2 EINECS: 233-109-9 NC: 2811 19 80 UN: 1787
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C **R: 34 S: 26-45 CE: 053-002-01-6**

1l~1,70kg 1kg~0,59l
SPECIFICATIONS:
Assay (Acidim.) ..... 55,0-58,0 %
MAXIMUM LIMIT OF IMPURITIES
Residue on ignition (as SO_4) ..... 0,01 %
Chloride and Bromide (as Cl) ..... 0,05 %
Phosphorus compounds (as PO_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,002 %
Free iodine (I_2) ..... 0,75 %
Heavy metals (as Pb) ..... 0,001 %
Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Cu	0,1	Ni	0,1
Al	1	Fe	1	Pb	0,1
As	5	Ga	0,05	Pt	0,1
Au	0,1	Ge	0,05	Sb	0,05
B	0,05	Hg	0,1	Si	0,1
Ba	0,1	In	0,05	Sn	0,05
Be	0,1	K	1	Sr	0,1
Bi	0,05	Li	0,1	Ti	0,05
Ca	1	Mg	1	Tl	0,05
Cd	0,1	Mn	0,1	V	0,05
Co	0,1	Mo	0,1	Zn	0,5
Cr	0,1	Na	1	Zr	0,05

Order code	Package	Units/Box st.
132213.1611	1000 ml	6

PA
PA-ACS-ISO

Reactivos para análisis
Analytical Reagents
Réactifs pour analyse

Hydriodic Acid 57% PRS

HI

M: 127,91 CAS: 10034-85-2 EINECS: 233-109-9 NC: 2811 19 80 UN: 1787
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 34 S: 26-45 CE: 053-002-01-6

1l~1,70kg 1kg~0,59l

SPECIFICATIONS:

Assay (Acidim.) ..... 55-58 %
Residue on ignition (as SO_4) ..... 0,1 %
Chloride and bromide (as Cl) ..... 0,1 %
Sulphate (SO_4) ..... 0,01 %
As ..... 0,0005 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
142213.1611	1000 ml	6

HYDROALCOHOLIC SOLUTIONS

Hydroalcoholic Solution 20% v/v VINIKIT

for calibration of alcoholometers and densimeters in oenology

NC: 3822 00 00 UN: 1170
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

F

R: 10 S: 16

1l~0,974kg 1kg~1,026l

Order code	Package	Units/Box st.
625435.1609	250 ml	6

Hydroalcoholic Solution 16% v/v VINIKIT

for calibration of alcoholometers and densimeters in oenology

NC: 3822 00 00 UN: 1170
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

F

R: 10 S: 16

1l~0,979kg 1kg~1,021l

Order code	Package	Units/Box st.
625434.1609	250 ml	6

Hydroalcoholic Solution 13,5% v/v VINIKIT

for calibration of alcoholometers and densimeters in oenology

NC: 3822 00 00 UN: 1170
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

F

R: 10 S: 16

Order code	Package	Units/Box st.
625339.1609	250 ml	6

Hydroalcoholic Solution 11% v/v VINIKIT

for calibration of alcoholometers and densimeters in oenology

NC: 3822 00 00 UN: 1170
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

F

R: 10 S: 16

Order code	Package	Units/Box st.
625338.1609	250 ml	6

Hydroalcoholic Solution 8,5% v/v VINIKIT

for calibration of alcoholometers and densimeters in oenology

NC: 3822 00 00 UN: 1170
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

F

R: 10 S: 16

Order code	Package	Units/Box st.
625337.1609	250 ml	6

Hydrobromic Acid 48% PA-ACS-ISO

HBr

M: 80,92 CAS: 10035-10-6 EINECS: 233-113-0 NC: 2811 19 10 UN: 1788
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 34-37 S: 7/9-26-45 CE: 035-002-01-8

1l~1,49kg 1kg~0,67l

SPECIFICATIONS:

Assay (Acidim.) ..... 47,0-49,0 %
Density at 20/4 ..... ≥1,49

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition (as SO_4) ..... 0,002 %
Chloride (Cl) ..... 0,03 %
Phosphate (PO_4) ..... 0,0005 %
Sulphate and Sulphite (as SO_4) ..... 0,003 %
Iodide (I) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,01	Fe	0,1	Pt	0,1
Al	0,1	Ga	0,05	Sb	0,02
As	0,5	Ge	0,02	Se	0,01
Au	0,1	Hg	0,1	Si	0,1
B	0,1	In	0,05	Sn	0,05
Ba	0,1	K	0,5	Sr	0,02
Be	0,02	Li	0,02	Ti	0,05
Bi	0,05	Mg	0,1	Tl	0,02
Ca	0,5	Mn	0,05	V	0,02
Cd	0,05	Mo	0,02	Zn	0,1
Co	0,02	Na	0,5	Zr	0,05
Cr	0,1	Ni	0,02		
Cu	0,02	Pb	0,02		

Order code	Package	Units/Box st.
131017.1611	1000 ml	6

Hydrobromic Acid 48% PRS

HBr

M: 80,92 CAS: 10035-10-6 EINECS: 233-113-0 NC: 2811 19 10 UN: 1788
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 34-37 S: 7/9-26-45 CE: 035-002-01-8

1l~1,49kg 1kg~0,67l

SPECIFICATIONS:

Assay (Acidim.) ..... 48 %
Density at 20/4 ..... ≥ 1,49
Residue on ignition (as SO_4) ..... 0,01 %
Chloride (Cl) ..... 0,05 %
Phosphate (PO_4) ..... 0,001 %
Sulphate and Sulphite (as SO_4) ..... 0,01 %
As ..... 0,00005 %
Ca ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Mg ..... 0,005 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141017.1611	1000 ml	6
141017.1214	5 l	

Para bioquímica
For biochemistry
Pour biochimie

PB

Reactivos sometidos a ensayos adicionales que los hacen aptos para su uso en técnicas bioquímicas.
Chemicals assayed with additional tests which guarantees their aptitude for biochemical techniques.
Réactifs testés et aptes pour utilisation en biochimie.

Hydrochloric Acid 37% (TMA) ANALPUR

HCl

M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C R: 34-37 S: 26-45 CE: 017-002-01-X

1l~1,19kg 1kg~0,84l

SPECIFICATIONS:

Assay (Acidim.) ..... 36,5-38,0 %

MAXIMUM LIMIT OF IMPURITIES

Colour APHA 10
Residue on ignition (as SO_4) ..... 0,0002 %
Ammonium (NH_4) ..... 0,0001 %
Free Chlorine (Cl) ..... 0,00005 %
Bromide (Br) ..... 0,005 %
Phosphate (PO_4) ..... 0,000001 %
Sulphate (SO_4) ..... 0,00005 %
Sulphite (SO_3) ..... 0,0001 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,001	Cu	0,001	Ni	0,005
Al	0,02	Fe	0,01	Pb	0,001
As	0,005	Ga	0,005	Pt	0,01
Au	0,005	Hg	0,005	Sn	0,005
Ba	0,005	In	0,002	Sr	0,001
Be	0,001	K	0,01	Ti	0,001
Bi	0,005	Li	0,001	Tl	0,001
Ca	0,05	Mg	0,005	V	0,001
Cd	0,001	Mn	0,001	Zn	0,005
Co	0,001	Mo	0,001	Zr	0,001
Cr	0,005	Na	0,02		

Order code	Package	Units/Box st.
381020.1209	250 ml P	6

Hydrochloric Acid 37% (VLSI) EG

HCl

M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C R: 34-37 S: 26-45 CE: 017-002-01-X

1l~1,19kg 1kg~0,84l

SPECIFICATIONS:

Minimum assay ..... 36,5 %

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Free halogens (Cl_2) ..... p/t.
Phosphate (PO_4) ..... 0,00005 %
Sulphate (SO_4) ..... 0,0001 %
Sulphite (SO_3) ..... 0,0001 %
0,5 µm particles ..... 250 /ml

Metals by ICP [µg/Kg (ppb)]

Ag	10	Cr	10	Nb	10
Al	50	Cu	10	Ni	10
As	10	Fe	50	Pb	10
Au	10	Ga	10	Sb	10
B	20	Ge	10	Sn	20
Ba	10	K	50	Sr	20
Be	10	Li	10	Ti	10
Bi	20	Mg	50	Tl	10
Ca	50	Mn	10	V	10
Cd	10	Mo	10	Zn	50
Co	10	Na	200	Zr	10

Order code	Package	Units/Box st.
871020.1212	2,5 l P	4

Hydrochloric Acid 37% (MOS) EG

HCl

M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C R: 34-37 S: 26-45 CE: 017-002-01-X

1l~1,19kg 1kg~0,84l

SPECIFICATIONS:

Minimum assay ..... 36,5 %

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Free halogens (Cl_2) ..... p/t.
Phosphate (PO_4) ..... 0,00005 %
Sulphate (SO_4) ..... 0,0002 %
Sulphite (SO_3) ..... 0,0001 %
0,5 µm particles* ..... 1000 /ml

Metals by ICP [µg/Kg (ppb)]

Ag	20	Cr	10	Ni	10
Al	50	Cu	10	Pb	20
As	10	Fe	200	Sb	10
Au	20	Ga	20	Sn	20
B	20	K	100	Sr	20
Ba	100	Li	20	Ti	10
Bi	20	Mg	100	Zn	50
Ca	200	Mn	10	Zr	10
Cd	10	Mo	10	*Indicative value	
Co	10	Na	500		

Order code	Package	Units/Box st.
861020.1212	2,5 l P	4

Hydrochloric Acid 37% (max.0,0000005% Hg) PA-ACS-ISO

HCl

M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C R: 34-37 S: 26-45 CE: 017-002-01-X

1l~1,19kg 1kg~0,84l

SPECIFICATIONS:

Assay (Acidim.) ..... 36,5-38,0 %
Density at 15/4 ..... ≥1,19
Appearance ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Residue on ignition (as SO_4) ..... 0,0005 %
Extractable organic substances ..... p/t.
Chlorine (Cl) ..... 0,0001 %
Bromide (Br) ..... 0,005 %
Sulphate (SO_4) ..... 0,0001 %
Sulphite (SO_3) ..... 0,0001 %
Ammonium (NH_4) ..... 0,0003 %
Heavy metals (as Pb) ..... 0,0001 %
Hg 0,0000005%

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Cu	0,02	Pb	0,02
Al	0,1	Fe	0,1	Pt	0,1
As	0,01	Ga	0,05	Sb	0,01
Au	0,1	Ge	0,02	Si	0,1
B	0,2	In	0,05	Sn	0,1
Ba	0,05	K	0,1	Sr	0,02
Be	0,02	Li	0,02	Ti	0,02
Bi	0,05	Mg	0,1	Tl	0,02
Ca	0,5	Mn	0,01	V	0,01
Cd	0,01	Mo	0,01	Zn	0,05
Co	0,01	Na	0,5	Zr	0,02
Cr	0,02	Ni	0,02		

Order code	Package	Units/Box st.
471020.1611	1000 ml	6
471020.1612	2,5 l	4

DC

Diagnóstico clínico
Products for Histology and Haematology
Produits pour Histologie et hématologie

Hydrochloric Acid 37% PA-ACS-ISO

HCl

M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 34-37 S: 26-45 CE: 017-002-01-X

1l~1,19kg 1kg~0,84l

SPECIFICATIONS:

Assay (Acidim.) ..... 36,5-38,0 %
Density at 15/4 ..... ≥1,19
Appearance ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Residue on ignition (as SO_4) ..... 0,0005 %
Extractable organic substances ..... p/t.
Chlorine (Cl) ..... 0,0001 %
Bromide (Br) ..... 0,005 %
Sulphate (SO_4) ..... 0,0001 %
Sulphite (SO_3) ..... 0,0001 %
Ammonium (NH_4) ..... 0,0003 %
Heavy metals (as Pb) ..... 0,0001 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Cu	0,02	Ni	0,02
Al	0,1	Fe	0,1	Pb	0,02
As	0,01	Ga	0,05	Pt	0,1
Au	0,1	Ge	0,02	Sb	0,01
B	0,2	Hg	0,1	Si	0,1
Ba	0,05	In	0,05	Sn	0,1
Be	0,02	K	0,1	Sr	0,02
Bi	0,05	Li	0,02	Ti	0,02
Ca	0,5	Mg	0,1	Tl	0,02
Cd	0,01	Mn	0,01	V	0,01
Co	0,01	Mo	0,01	Zn	0,05
Cr	0,02	Na	0,5	Zr	0,02

Order code	Package	Units/Box st.
131020.1611	1000 ml	6
131020.1211	1000 ml	6
131020.2211	1000 ml	6
131020.1612	2,5 l	4
131020.1212	2,5 l	4
131020.2212	2,5 l	4
131020.1214	5 l	4
131020.0716	25 l	
131020.0718	60 l	
131020.0719	200 l	

Hydrochloric Acid 37% (RFE, BP, Ph. Eur.) PRS-CODEX

HCl

M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 34-37 S: 26-45 CE: 017-002-01-X

1l~1,19kg 1kg~0,84l

SPECIFICATIONS:

Assay (Acidim.) ..... 36,5-39,0 %
Identity according to Pharmacopoeias ..... p/t.
Density at 15/4 ..... ≥1,19

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Non-volatile matter ..... 0,01 %
Residue on ignition (as SO_4) ..... 0,005 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Chlorine ..... 0,0004 %
Bromide (Br) ..... 0,01 %
Sulphate (SO_4) ..... 0,0005 %
Sulphite ..... 0,0005 %
Ammonium (NH_4) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0002 %
As ..... 0,0002 %
Cu ..... 0,0002 %
Fe ..... 0,0001 %
Ni ..... 0,0002 %
Pb ..... 0,0002 %

Order code	Package	Units/Box st.
141020.1611	1000 ml	6
141020.1612	2,5 l	4
141020.1214	5 l	4
141020.0716	25 l	
141020.0718	60 l	

Hydrochloric Acid 37% (E-507, F.C.C.) ADITIO

HCl

M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 34-37 S: 26-45 CE: 017-002-01-X

1l~1,19kg 1kg~0,84l

SPECIFICATIONS:

Assay, not less than ..... 23 °Bé
Colour ..... p/t.
Concentration of HCl, not less than ..... 37 %
Heavy metals (as Pb), not more than ..... 1 ppm
Iron, not more than ..... 5 ppm
Non-volatile residue, not more than ..... 0,5 %
Oxidizing substances (as Cl_2), not more than ..... 0,003 %
Reducing substances (as SO_2), not more than ..... 0,007 %
Specific gravity, not less than 1,190
Sulphate, not more than ..... 0,5 %
Extractable organic compounds: Total org.comp.
(Non-Fluorine-cont), not more than ..... 5 ppm
Including:
Benzene, not more than ..... 0,05 ppm
Fluorinated org. compounds (total), not more than ..... 25 ppm
Arsenic, not more than ..... 1 ppm
Mercury, not more than ..... 1 ppm
Lead, not more than ..... 1 ppm
Specifications Dir. 2008/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
201020.1214	5 l	4
201020.0716	25 l	

Hydrochloric Acid 37% QP

HCl

M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 34-37 S: 26-45 CE: 017-002-01-X

1l~1,19kg 1kg~0,84l

SPECIFICATIONS:

Assay (Acidim.) ..... 36,5-39 %
Density at 15/4 1,185-1,195
Sulphate (SO_4) ..... 0,005 %
Ammonium (NH_4) ..... 0,005 %
As ..... 0,0003 %
Fe ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
211020.1611	1000 ml	6
211020.1214	5 l	4
211020.0716	25 l	
211020.0718	60 l	
211020.0719	200 l	

Hydrochloric Acid 35% (TMA) HIPERPUR-PLUS

HCl

M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

R: 34-37 S: 26-45 CE: 017-002-01-X
1l~1,185kg 1kg~0,844l
SPECIFICATIONS:
Assay (Acidim.) ..... 32-35 %
MAXIMUM LIMIT OF IMPURITIES
Metals by ICP (ppt)

Ag	10	Gd	1	Rh	10
Al	20	Hf	10	Ru	10
As	50	Hg	50	Sb	20
Au	50	Ho	1	Sc	10
B	100	In	1	Sm	1
Ba	10	K	10	Sn	20
Be	10	La	1	Sr	10
Bi	10	Li	10	Tb	1
Ca	10	Lu	10	Te	1
Cd	10	Mg	10	Th	1
Ce	10	Mn	10	Ti	10
Co	10	Mo	10	Tl	10
Cr	10	Na	10	Tm	1
Cs	10	Nb	1	U	1
Cu	10	Nd	1	V	10
Dy	1	Ni	20	W	10
Er	1	Pb	10	Y	1
Eu	1	Pr	1	Yb	1
Fe	10	Rb	10	Zn	10
Ga	10	Re	10	Zr	10

Analysis Type:

Ag	5	Hg	20	Sb	20
Al	10	Ho	0,01	Sc	1
As	20	In	0,1	Se	50
Au	10	K	10	Sm	0,01
B	10	La	0,05	Sn	10
Ba	1	Li	1	Sr	1
Be	5	Lu	0,01	Ta	20
Bi	0,05	Mg	5	Tb	0,01
Ca	10	Mn	2	Te	1
Cd	0,1	Mo	5	Th	0,05
Ce	0,05	Na	5	Ti	10
Co	3	Nb	1	Tl	0,1
Cr	10	Nd	0,05	Tm	0,01
Cs	0,05	Ni	10	U	0,01
Cu	3	Pb	1	V	1
Dy	0,01	Pd	10	W	5
Er	0,01	Pr	0,05	Y	0,1
Eu	0,01	Pt	1	Yb	0,01
Fe	10	Rb	1	Zn	5
Ga	1	Re	0,1	Zr	1
Gd	0,01	Rh	1		
Hf	0,05	Ru	10		

Order code	Package	Units/Box st.
711019.0009	250 ml	6
711019.0010	500 ml	6

Hydrochloric Acid 35% (TMA) HIPERPUR

HCl

M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

R: 34-37 S: 26-45 CE: 017-002-01-X
1l~1,185kg 1kg~0,844l
SPECIFICATIONS:
Assay (Acidim.) ..... 34-37 %
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Free chlorine (Cl) ..... 0,00005 %
Bromide (Br) ..... 0,0010 %
Total sulphur ..... 0,00003 %
Total phosphorus ..... 0,000001 %
Metals by ICP (ppb)

Ag	1	Hf	0,1	Sb	0,5
Al	1	Hg	0,1	Sc	0,1
As	0,5	Ho	0,1	Se	1
Au	0,5	In	0,1	Sm	0,1
B	1	K	1	Sn	0,5
Ba	0,1	La	0,1	Sr	0,1
Be	0,1	Li	0,1	Tb	0,1
Bi	0,1	Lu	0,1	Te	0,1
Ca	1	Mg	0,5	Th	0,1
Cd	0,1	Mn	0,1	Ti	0,5
Ce	0,1	Mo	0,1	Tl	0,1
Co	0,1	Na	1	Tm	0,1
Cr	0,5	Nb	0,1	U	0,1
Cs	0,1	Nd	0,1	V	0,5
Cu	0,5	Ni	0,5	W	0,1
Dy	0,1	Pb	0,1	Y	0,1
Er	0,1	Pr	0,1	Yb	0,1
Eu	0,1	Rb	0,1	Zn	1
Fe	1	Re	0,1	Zr	0,1
Ga	0,1	Rh	0,1		
Gd	0,1	Ru	0,1		

Analysis Type:

Ag	0,1	Hg	0,02	Sb	0,1
Al	0,5	Ho	0,1	Sc	0,1
As	0,1	In	0,1	Se	0,5
Au	0,1	K	0,1	Sm	0,1
B	0,5	La	0,1	Sn	0,1
Ba	0,1	Li	0,1	Sr	0,1
Be	0,1	Lu	0,1	Ta	0,5
Bi	0,1	Mg	0,5	Tb	0,1
Ca	0,5	Mn	0,1	Te	0,1
Cd	0,1	Mo	0,1	Th	0,1
Ce	0,1	Na	0,5	Ti	0,1
Co	0,1	Nb	0,1	Tl	0,1
Cr	0,1	Nd	0,1	Tm	0,1
Cs	0,1	Ni	0,1	U	0,1
Cu	0,1	Pb	0,1	V	0,1
Dy	0,1	Pd	0,5	W	0,1
Er	0,1	Pr	0,1	Y	0,1
Eu	0,1	Pt	0,5	Yb	0,1
Fe	0,5	Rb	0,1	Zn	0,5
Ga	0,1	Re	0,1	Zr	0,1
Gd	0,1	Rh	0,1		
Hf	0,1	Ru	0,1		

Order code	Package	Units/Box st.
721019.0010	500 ml	6
721019.0011	1000 ml	6
721019.0012	2,5 l	4

HIPERPUR

Reactivos para análisis de trazas metálicas.
Rango: PPB. Para AAS e ICP-OES
Reagents for analysis of metallic traces.
Range: PPB. For AAS and ICP-OES
Réactifs pour analyse des traces metalliques.
Range: PPB. Pour AAS et ICP-OES

Hydrochloric Acid 32% PA-ISO

HCl

M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 34-37 S: 26-45 CE: 017-002-01-X

1l~1,16kg 1kg~0,86l

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 32 %
Density at 15/4 ..... ≥1,165

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Residue on ignition (as SO_4) ..... 0,0005 %
Chlorine (Cl) ..... 0,0001 %
Bromide (Br) ..... 0,005 %
Sulphate (SO_4) ..... 0,0001 %
Sulphite (SO_3) ..... 0,0001 %
Ammonium (NH_4) ..... 0,0003 %
Heavy metals (as Pb) ..... 0,0001 %
Al ..... 0,00001 %
As ..... 0,000001 %
Ba ..... 0,000005 %
Be ..... 0,000002 %
Ca ..... 0,00005 %
Cd ..... 0,000001 %
Co ..... 0,000001 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00002 %
K ..... 0,00001 %
Li ..... 0,000002 %
Mg ..... 0,00001 %
Mn ..... 0,000001 %
Na ..... 0,00005 %
Ni ..... 0,000002 %
Pb ..... 0,000002 %
Sr ..... 0,000002 %
Zn ..... 0,000005 %

Order code	Package	Units/Box st.
132176.1611	1000 ml	6
132176.1612	2,5 l	4
132176.1214	5 l	4
132176.0716	25 l	
132176.0718	60 l	

Hydrochloric Acid 32% PRS

HCl

M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 34-37 S: 26-45 CE: 017-002-01-X

1l~1,16kg 1kg~0,86l

SPECIFICATIONS:

Assay (Acidim.) ..... 32 %
Density at 15/4 ..... ≥1,165
Residue on ignition (as SO_4) ..... 0,005 %
Chlorine (Cl) ..... 0,001 %
Bromide (Br) ..... 0,01 %
Sulphate (SO_4) ..... 0,0005 %
Sulphite (SO_3) ..... 0,0005 %
Ammonium (NH_4) ..... 0,001 %
As ..... 0,00001 %
Cu ..... 0,0005 %
Fe ..... 0,0001 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
142176.1611	1000 ml	6
142176.1214	5 l	4
142176.0716	25 l	

Hydrochloric Acid 25% PA-ISO

HCl

M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 34-37 S: 26-45 CE: 017-002-01-X

1l~1,12kg 1kg~0,89l

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 25,0 %
Density at 15/4 ..... ≥1,12

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Residue on ignition (as SO_4) ..... 0,0005 %
Chlorine (Cl) ..... 0,0001 %
Bromide (Br) ..... 0,005 %
Sulphate (SO_4) ..... 0,0001 %
Sulphite (SO_3) ..... 0,0001 %
Ammonium (NH_4) ..... 0,0003 %
Heavy metals (as Pb) ..... 0,0001 %
Al ..... 0,00001 %
As ..... 0,000001 %
Ba ..... 0,000005 %
Be ..... 0,000002 %
Ca ..... 0,00005 %
Cd ..... 0,000001 %
Co ..... 0,000001 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00002 %
K ..... 0,00001 %
Li ..... 0,000002 %
Mg ..... 0,00001 %
Mn ..... 0,000001 %
Na ..... 0,00005 %
Ni ..... 0,000002 %
Pb ..... 0,000002 %
Sr ..... 0,000002 %
Zn ..... 0,000005 %

Order code	Package	Units/Box st.
133378.1611	1000 ml	6
133378.1612	2,5 l	4
133378.1214	5 l	4
133378.0716	25 l	

Hydrochloric Acid 10 g/l RE

for determination of the coloration grade in liquids according to Ph. Eur.
HCl

M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821

1l~1,004kg 1kg~0,996l

Composition:
Hydrochloric Acid 37 % ..... 27,0 g
Water s.q.m ..... 1000 ml

Order code	Package	Units/Box st.
175567.1211	1000 ml	6

Hydrochloric Acid 10 g/l VINIKIT

for determination of sulphates in red wine
HCl

M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821

1l~1,004kg 1kg~0,996l

Composition:
Hydrochloric Acid 37 % ..... 27,0 g
Water s.q.m ..... 1000 ml

Order code	Package	Units/Box st.
625567.1209	250 ml	6

Hydrochloric Acid-Water solution 50:50 VINIKIT

for determination of Fe, according to Ferré Michel method
HCl

M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:

Xi

R: 36/37/38 S: 26 CE: 017-002-01-X

1l~1,100kg 1kg~0,909l

Composition:
Hydrochloric Acid 35% ..... 50,0 ml
Water s.q.m. ..... 100 ml

Order code	Package	Units/Box st.
624574.1209	250 ml	6

HYDROCHLORIC ACID SOLUTIONS

Hydrochloric Acid 0,01 mol/l (0,01N) SV

Indicator: Methyl Red.
HCl
M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
1l~1,000kg 1kg~1,000l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
182884.1211	1000 ml	6
182884.1315	10 l	(*)

Hydrochloric Acid 0,05 mol/l (0,05N) SV

Indicator: Methyl Red
HCl
M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
1l~1,000kg 1kg~1,000l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
182107.1211	1000 ml	6

Hydrochloric Acid 0,1 mol/l (0,1N) RE

solution for pH scales
HCl
M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
1l~1,001kg 1kg~0,999l
SPECIFICATIONS:
Titer .....1,000 ±0,005

Order code	Package	Units/Box st.
171023.1209	250 ml	6

Hydrochloric Acid 0,1 mol/l (0,1N) SV

Indicator: Methyl Red
HCl
M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
1l~1,001kg 1kg~0,999l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
181023.1211	1000 ml	6
181023.1212	2,5 l	4
181023.1214	5 l	4
181023.1315	10 l	(*)

Hydrochloric Acid 0,1 mol (3,646g HCl) to prepare 1l of 0,1N solution SVc

CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
SPECIFICATIONS:
Titer .....1,000 ±0,002

Order code	Package	Units/Box st.
303110.1920	1 ampoule	6

Hydrochloric Acid 0,25 mol/l (0,25N) SV

Indicator: Methyl Red
HCl
M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
1l~1,004kg 1kg~0,996l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
182318.1211	1000 ml	6

Hydrochloric Acid 0,310 mol/l (1,128% w/v) SV

for determination of starch in feed, according to Ewers. Indicator: Methyl Red
HCl
M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
1l~1,005kg 1kg~0,995l
SPECIFICATIONS:
Titer .....1,000±0,005

Order code	Package	Units/Box st.
185423.1211	1000 ml	6
185423.1214	5 l	4

Hydrochloric Acid 0,3571 mol/l (N/2,8) SV

HCl
M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
1l~1,005kg 1kg~0,994l
SPECIFICATIONS:
Titer .....1,000±0,001

183878.1211	1000 ml	6
183878.1315	10 l	(*)

Hydrochloric Acid 0,5 mol/l (0,5N) SV

Indicator: Methyl Red
HCl
M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
1l~1,007kg 1kg~0,993l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
181022.1211	1000 ml	6
181022.1212	2,5 l	4
181022.1315	10 l	(*)

Hydrochloric Acid 0,5 mol (18,230g HCl) to prepare 1l of 0,5N solution SVc

CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:
Xi
R: 36/37/38 S: 26 CE: 017-002-02-7
SPECIFICATIONS:
Titer .....1,000 ±0,002

Order code	Package	Units/Box st.
303111.1920	1 ampoule	6

Hydrochloric Acid 1 mol/l (1N) SV

Indicator: Methyl Red
HCl
M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
1l~1,011kg 1kg~0,989l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
181021.1211	1000 ml	6
181021.1212	2,5 l	4
181021.1214	5 l	4
181021.1315	10 l	(*)
181021.0716	25 l	

Hydrochloric Acid 1 mol (36,461g HCl) to prepare 1l of 1N solution SVc

CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C
R: 34-37 S: 26-45 CE: 017-002-01-X
SPECIFICATIONS:
Titer .....1,000 ±0,002

Order code	Package	Units/Box st.
303112.1920	1 ampoule	6

Hydrochloric Acid 2 mol/l (2N) SV

Indicator: Methyl Red
HCl
M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
1l~1,035kg 1kg~0,966l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
182108.1211	1000 ml	6
182108.1315	10 l	(*)

(*) Sol-Pack pack with tap

Hydrochloric Acid 3 mol/l (3N) SV

for analysis of raw fat
HCl
M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:
Xi
R: 36/37/38 S: 26 CE: 017-002-01-X
1l~1,046kg 1kg~0,956l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
182057.1211	1000 ml	6
182057.1315	10 l	(*)

Hydrochloric Acid 3,571 mol/l (3,571N) SV

HCl
M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:
Xi
R: 36/37/38 S: 26 CE: 017-002-01-X
1l~1,055kg 1kg~0,948l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
183879.1211	1000 ml	6

Hydrochloric Acid 5 mol/l (5N) SV

Indicator: Methyl Red
HCl
M: 36,46 CAS: 7647-01-0 EINECS: 231-595-7 NC: 2806 10 00 UN: 1789
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:
Xi
R: 36/37/38 S: 26 CE: 017-002-01-X
1l~1,09kg 1kg~0,92l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
182109.1211	1000 ml	6

Hydrofluoric Acid 50% (VLSI) EG

HF
M: 20,01 CAS: 7664-39-3 EINECS: 231-634-8 NC: 2811 11 00 UN: 1790
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
T+ C
R: 26/27/28-35 S: 7/9-26-36/39-45 CE: 009-003-00-1
1l~1,16kg 1kg~0,86l
SPECIFICATIONS:
Assay .....49,5-50,5 %
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Chloride (Cl) .....0,0005 %
Phosphate (PO_4) .....0,0001 %
Nitrate (NO_3) .....0,0003 %
Sulphate (SO_4) .....0,0001 %
Sulphite (SO_3) .....0,0005 %
Fluosilic Acid .....0,005 %
0,5 µm particles .....250 /ml
Metals by ICP [µg/Kg (ppb)]

Ag	10	Co	10	Na	50
Al	20	Cr	10	Ni	10
As	10	Cu	10	Pb	10
Au	20	Fe	50	Sb	10
B	20	Ga	10	Sn	10
Ba	10	K	50	Sr	20
Be	10	Li	10	Ti	10
Bi	10	Mg	50	V	10
Ca	50	Mn	10	Zn	50
Cd	10	Mo	10		

Order code	Package	Units/Box st.
876324.1212	2,5 l	4

(*) Sol-Pack pack with tap

Hydrofluoric Acid 50% (MOS) EG

HF
M: 20,01 CAS: 7664-39-3 EINECS: 231-634-8 NC: 2811 11 00 UN: 1790
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
T+ C
R: 26/27/28-35 S: 7/9-26-36/39-45 CE: 009-003-00-1
1l~1,16kg 1kg~0,86l
SPECIFICATIONS:
Assay .....49,5-50,5 %
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Chloride (Cl) .....0,0005 %
Phosphate (PO_4) .....0,0001 %
Nitrate (NO_3) .....0,0003 %
Sulphate (SO_4) .....0,0001 %
Sulphite (SO_3) .....0,0005 %
Fluosilic Acid .....0,01 %
0,5 µm particles* .....1000 /ml
Metals by ICP [µg/Kg (ppb)]

Ag	20	Cr	20	Ni	10
Al	50	Cu	10	Pb	20
As	10	Fe	100	Sb	10
Au	50	Ga	20	Sn	20
B	20	K	100	Sr	20
Ba	50	Li	10	Ti	50
Bi	20	Mg	100	V	50
Ca	200	Mn	10	Zn	50
Cd	20	Mo	20	*Indicative value	
Co	20	Na	100		

Order code	Package	Units/Box st.
866324.1212	2,5 l	4

Hydrofluoric Acid 48% (TMA) HIPERPUR-PLUS

HF
M: 20,01 CAS: 7664-39-3 EINECS: 231-634-8 NC: 2811 11 00 UN: 1790
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
T+ C
R: 26/27/28-35 S: 7/9-26-36/37-45 CE: 009-003-00-1
1l~1,16kg 1kg~0,86l
SPECIFICATIONS:
Assay (Acidim.) .....47-51 %
MAXIMUM LIMIT OF IMPURITIES
Metals by ICP (ppt)

Ag	10	Ge	10	Re	10
Al	20	Hf	10	Rh	20
As	50	Hg	50	Ru	20
Au	20	Ho	1	Sb	20
B	100	In	1	Sc	10
Ba	10	K	10	Sm	1
Be	10	La	10	Sn	20
Bi	10	Li	10	Sr	10
Ca	10	Lu	1	Tb	1
Cd	10	Mg	10	Te	1
Ce	10	Mn	10	Th	1
Co	10	Mo	10	Ti	20
Cr	10	Na	10	Tl	10
Cs	10	Nb	10	Tm	1
Cu	10	Nd	1	U	1
Dy	1	Ni	20	V	10
Er	1	Pb	10	W	20
Eu	1	Pd	20	Y	1
Fe	10	Pr	1	Yb	1
Ga	10	Pt	20	Zn	10
Gd	1	Rb	20	Zr	10

Analysis Type:

Ag	1	Hf	1	Ru	1
Al	10	Hg	20	Sb	10
As	10	Ho	0,1	Sc	1
Au	10	In	0,1	Se	50
B	10	K	10	Sm	0,1
Ba	5	La	0,1	Sn	10
Be	5	Li	1	Sr	1
Bi	0,1	Lu	0,1	Ta	20
Ca	10	Mg	5	Tb	0,1
Cd	0,1	Mn	1	Te	1
Ce	0,1	Mo	5	Th	0,1
Co	1	Na	10	Ti	10
Cr	10	Nb	5	Tl	0,1
Cs	0,5	Nd	0,1	Tm	0,1
Cu	10	Ni	10	U	0,1
Dy	0,1	Pb	1	V	1
Er	0,1	Pd	10	W	10
Eu	0,1	Pr	0,1	Y	0,5
Fe	10	Pt	10	Yb	0,1
Ga	1	Rb	1	Zn	5
Gd	0,1	Re	0,1	Zr	10
Ge	1	Rh	1		

Order code	Package	Units/Box st.
711028.0009	250 ml	6
711028.0010	500 ml	6

Hydrofluoric Acid 48% (TMA) HIPERPUR

HF

M: 20,01 CAS: 7664-39-3 EINECS: 231-634-8 NC: 2811 11 00 UN: 1790
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

T+ C **R: 26/27/28-35 S: 7/9-26-36/37-45 CE: 009-003-00-1**

1l~1,16kg 1kg~0,86l

SPECIFICATIONS:

Assay (Acidim.) ..... 47-51 %

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Fluosilicic Acid ..... 0,0020 %
Chloride (Cl) ..... 0,0004 %
Total sulphur ..... 0,00001 %
Total phosphorus ..... 0,000005 %

Metals by ICP (ppb)

Ag	0,5	Hf	0,1	Ru	0,1
Al	1	Hg	1	Sb	0,2
As	0,5	Ho	0,1	Sc	0,1
Au	0,2	In	0,1	Se	1
B	1	K	1	Sm	0,1
Ba	0,1	La	0,1	Sn	0,5
Be	0,1	Li	0,1	Sr	0,1
Bi	0,1	Lu	0,1	Tb	0,1
Ca	1	Mg	1	Te	0,1
Cd	0,1	Mn	0,1	Th	0,1
Ce	0,1	Mo	0,1	Ti	1
Co	0,1	Na	1	Tl	0,1
Cr	1	Nb	0,1	Tm	0,1
Cs	0,1	Nd	0,1	U	0,1
Cu	0,5	Ni	0,5	V	0,1
Dy	0,1	Pb	0,1	W	0,5
Er	0,1	Pd	0,2	Y	0,1
Eu	0,1	Pr	0,1	Yb	0,1
Fe	1	Pt	0,2	Zn	1
Ga	0,1	Rb	0,1	Zr	0,1
Gd	0,1	Re	0,1		
Ge	0,1	Rh	0,1		

Analysis Type:

Ag	0,1	Hf	0,1	Ru	0,1
Al	0,5	Hg	0,05	Sb	0,1
As	0,1	Ho	0,1	Sc	0,1
Au	0,1	In	0,1	Se	0,1
B	0,5	K	0,2	Sm	0,1
Ba	0,1	La	0,1	Sn	0,1
Be	0,1	Li	0,1	Sr	0,1
Bi	0,1	Lu	0,1	Ta	0,5
Ca	0,5	Mg	0,2	Tb	0,1
Cd	0,1	Mn	0,1	Te	0,1
Ce	0,1	Mo	0,1	Th	0,1
Co	0,1	Na	0,5	Ti	0,5
Cr	0,1	Nb	0,1	Tl	0,1
Cs	0,1	Nd	0,1	Tm	0,1
Cu	0,1	Ni	0,1	U	0,1
Dy	0,1	Pb	0,1	V	0,1
Er	0,1	Pd	0,2	W	0,5
Eu	0,1	Pr	0,1	Y	0,1
Fe	0,5	Pt	0,2	Yb	0,1
Ga	0,1	Rb	0,1	Zn	0,1
Gd	0,1	Re	0,1	Zr	0,1
Ge	0,1	Rh	0,1		

Order code	Package	Units/Box st.
721028.0010	500 ml P	6

Hydrofluoric Acid 48% PA-ACS-ISO

HF

M: 20,01 CAS: 7664-39-3 EINECS: 231-634-8 NC: 2811 11 00 UN: 1790
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

T+ C **R: 26/27/28-35 S: 7/9-26-36/37-45 CE: 009-003-00-1**

1l~1,16kg 1kg~0,86l

SPECIFICATIONS:

Assay (Acidim.) ..... 48,0-51,0 %

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition (as SO_4) ..... 0,0005 %
Reducing substances to $KMnO_4$ ..... p/t.
Fluosilicic acid (F_6H_2Si) ..... 0,01 %
Chloride (Cl) ..... 0,0005 %
Phosphate (PO_4) ..... 0,0001 %
Sulphate and Sulphite (as SO_4) ..... 0,0005 %
Heavy metals (as Pb) ..... 0,00005 %
As ..... 0,000005 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,04	Fe	0,2	Pb	0,1
Al	0,1	Ga	0,05	Pt	0,1
Au	0,1	Ge	0,02	Sb	0,02
B	0,05	Hg	0,1	Si	0,1
Ba	0,2	In	0,05	Sn	0,05
Be	0,04	K	0,2	Sr	0,04
Bi	0,05	Li	0,04	Ti	0,05
Ca	0,5	Mg	0,2	Tl	0,02
Cd	0,02	Mn	0,1	V	0,02
Co	0,04	Mo	0,02	Zn	0,1
Cr	0,04	Na	0,4	Zr	0,05
Cu	0,04	Ni	0,04		

Order code	Package	Units/Box st.
131028.1211	1000 ml P	6
131028.1212	2,5 l P	4
131028.1214	5 l P	4
131028.0716	25 l P	
131028.0718	60 l P	

Hydrofluoric Acid 40% PA-ISO

HF

M: 20,01 CAS: 7664-39-3 EINECS: 231-634-8 NC: 2811 11 00 UN: 1790
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

T+ C **R: 26/27/28-35 S: 7/9-26-36/37-45 CE: 009-003-00-1**

1l~1,130kg 1kg~0,885l

SPECIFICATIONS:

Assay (Acidim.) ..... 40-42 %

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition (as SO_4) ..... 0,0005 %
Reducing substances to $KMnO_4$ ..... p/t.
Fluosilicic acid (F_6H_2Si) ..... 0,01 %
Chloride (Cl) ..... 0,0005 %
Phosphate (PO_4) ..... 0,0001 %
Sulphate and sulphite (as SO_4) ..... 0,0005 %
Heavy metals (as Pb) ..... 0,00005 %
As ..... 0,000005 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,04	Fe	0,2	Pb	0,1
Al	0,1	Ga	0,05	Pt	0,1
Au	0,1	Ge	0,02	Sb	0,02
B	0,05	Hg	0,1	Si	0,1
Ba	0,2	In	0,05	Sn	0,05
Be	0,04	K	0,2	Sr	0,04
Bi	0,05	Li	0,04	Ti	0,05
Ca	0,5	Mg	0,2	Tl	0,02
Cd	0,02	Mn	0,1	V	0,02
Co	0,04	Mo	0,02	Zn	0,1
Cr	0,04	Na	0,4	Zr	0,05
Cu	0,04	Ni	0,04		

Order code	Package	Units/Box st.
133070.1211	1000 ml P	6
133070.1212	2,5 l P	4
133070.1214	5 l P	4

AA

Patrones elementales en solución lista para usar de concentración definida (1,000 g/l) trazable frente SRM de NIST
Elemental Standards Solutions, ready to use, in a concentration of 1,000 g/l traceable against SRM of NIST
Solutions standards d'éléments prêtes à l'emploi de concentration définie (1,000 g/l) traçable au SRM du NIST

Hydrofluoric Acid 40% QP

HF

M: 20,01 CAS: 7664-39-3 EINECS: 231-634-8 NC: 2811 11 00 UN: 1790
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

T+ C

R: 26/27/28-35 S: 7/9-26-36/37-45 CE: 009-003-00-1
1l~1,130kg 1kg~0,885l
SPECIFICATIONS:

Assay (Acidim.) ..... 40-42 %
Chloride (Cl) ..... 0,005 %
Fe ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
213070.1211	1000 ml	6
213070.1212	2,5 l	4
213070.1214	5 l	4
213070.0718	60 l	

Hydrogen Peroxide 33% w/v (110 vol.) PA-ACS-ISO

H_2O_2

M: 34,01 CAS: 7722-84-1 EINECS: 231-765-0 NC: 2847 00 00 UN: 2014
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 501 CAO: 506
HAZARDOUS:

Xn

R: 22-41 S: 17-26-28a-36/37/39-45 CE: 008-003-00-9
1l~1,11kg 1kg~0,90l
SPECIFICATIONS:

Assay (Perm.), w/w ..... 30,0-32,0 %
Assay (as O_2 vol.)(Perm.) ..... 110 vol.

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,002 %
Acidity ..... 0,0006 meq/g
Nitrogen compounds (as N) ..... 0,0004 %
Chloride (Cl) ..... 0,0001 %
Phosphate (PO_4) ..... 0,0002 %
Nitrate (NO_3) ..... 0,0002 %
Sulphate (SO_4) ..... 0,0005 %
Ammonium (NH_4) ..... 0,0005 %
Heavy metals (as Pb) ..... 0,0001 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Cu	0,02	Ni	0,05
Al	0,1	Fe	0,1	Pb	0,1
As	0,5	Ga	0,05	Pt	0,1
Au	0,1	Ge	0,05	Sb	0,02
B	0,5	Hg	0,1	Sr	0,02
Ba	0,1	In	0,05	Ti	0,05
Be	0,02	K	1	Tl	0,02
Bi	0,05	Li	0,02	V	0,02
Ca	0,5	Mg	0,1	Zn	0,1
Cd	0,05	Mn	0,02	Zr	0,05
Co	0,02	Mo	0,02		
Cr	0,02	Na	1		

Order code	Package	Units/Box st.
131077.1410	500 ml	2
131077.1211	1000 ml	6
131077.1214	5 l	4

Hydrogen Peroxide 33% w/v (110 vol.) stabilized (RFE, USP, BP, Ph. Eur.) PRS-CODEX

H_2O_2

M: 34,01 CAS: 7722-84-1 EINECS: 231-765-0 NC: 2847 00 00 UN: 2014
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 501 CAO: 506
HAZARDOUS:

Xn

R: 22-41 S: 17-26-28a-36/37/39-45 CE: 008-003-00-9
1l~1,11kg 1kg~0,90l
SPECIFICATIONS:

Assay (Perm.) w/w ..... 29,0-31,0 %
Assay (as O_2 vol.) (Perm.) ..... 110 vol.
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter ..... 0,05 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Organic stabilizers ..... 0,05 %
Acidity ..... p/t.
Nitrogen compounds (as N) ..... 0,005 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0001 %
As ..... 0,00005 %
Cu ..... 0,0001 %
Fe ..... 0,0005 %
Ni ..... 0,0001 %
Pb ..... 0,0001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141077.1410	500 ml	2
141077.1211	1000 ml	6
141077.1214	5 l	4
141077.0716	25 l	

Hydrogen Peroxide 33% w/v (110 vol.) stabilized QP

H_2O_2

M: 34,01 CAS: 7722-84-1 EINECS: 231-765-0 NC: 2847 00 00 UN: 2014
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 501 CAO: 506
HAZARDOUS:

Xn

R: 22-41 S: 17-26-28a-36/37/39-45 CE: 008-003-00-9
1l~1,11kg 1kg~0,90l
SPECIFICATIONS:

Assay (Perm.) w/v ..... 33 %
Assay (as O_2 vol.)(Perm.) ..... 110 vol.
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %

Order code	Package	Units/Box st.
211077.1214	5 l	4
211077.0716	25 l	
211077.0718	60 l	

Hydrogen Peroxide 30% w/w (VLSI) EG

H_2O_2

M: 34,01 CAS: 7722-84-1 EINECS: 231-765-0 NC: 2847 00 00 UN: 2014
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 501 CAO: 506
HAZARDOUS:

Xn

R: 22-41 S: 17-26-28a-36/37/39-45 CE: 008-003-00-9
1l~1,11kg 1kg~0,90l
SPECIFICATIONS:

Minimum assay w/w ..... 30,0-31,0 %
Resistivity (1/20) ..... 200000 ohm·cm

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,0005 %
Chloride (Cl) ..... 0,00005 %
Phosphate (PO_4) ..... 0,00005 %
Nitrate (NO_3) ..... 0,0002 %
Sulphate (SO_4) ..... 0,0001 %
Ammonium ..... 0,0001 %
Acidity (as H_2SO_4) ..... 0,002 %
TOC ..... 0,002 %
0,5 µm particles ..... 250 /ml

Metals by ICP [µg/Kg (ppb)]

Ag	10	Cr	10	Pb	10
Al	30	Cu	10	Sb	10
As	10	Fe	30	Sn	20
Au	20	Ga	10	Sr	10
B	20	K	20	Ta	20
Ba	10	Li	10	Ti	10
Be	10	Mg	20	Tl	20
Bi	20	Mn	10	V	10
Ca	50	Mo	10	Zn	20
Cd	10	Na	50	Zr	10
Co	10	Ni	10		

Order code	Package	Units/Box st.
876323.1212	2,5 l	4

Hydrogen Peroxide 30% w/w (MOS) EG

H_2O_2

M: 34,01 CAS: 7722-84-1 EINECS: 231-765-0 NC: 2847 00 00 UN: 2014
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 501 CAO: 506
HAZARDOUS:

Xn

R: 22-41 S: 17-26-28a-36/37/39-45 CE: 008-003-00-9
1l~1,11kg 1kg~0,90l
SPECIFICATIONS:

Minimum assay w/w ..... 30,0-31,0 %
Density at 20/4 1,11

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,0005 %
Chloride (Cl) ..... 0,0001 %
Phosphate (PO_4) ..... 0,0001 %
Nitrate (NO_3) ..... 0,0005 %
Sulphate (SO_4) ..... 0,0002 %
0,5 µm particles* ..... 1000 /ml

Metals by ICP [µg/Kg (ppb)]

Ag	20	Co	20	Mo	20
Al	50	Cr	20	Na	100
As	10	Cu	20	Ni	50
Au	50	Fe	50	Pb	20
B	50	Ga	20	Sb	20
Ba	20	In	50	Sn	50
Be	10	K	50	Sr	20
Bi	20	Li	20	Ti	20
Ca	100	Mg	50	V	20
Cd	20	Mn	10	Zn	50

*Indicative value

Order code	Package	Units/Box st.
866323.1214	5 l	4

Hydrogen Peroxide 30% w/v (100 vol.) PA

H_2O_2

M: 34,01 CAS: 7722-84-1 EINECS: 231-765-0 NC: 2847 00 00 UN: 2014
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 501 CAO: 506
HAZARDOUS:

Xn **R: 22-41 S: 17-26-28a-36/37/39-45 CE: 008-003-00-9**

1l~1,10kg 1kg~0,91l

SPECIFICATIONS:
Minimum assay (Perm.) w/v ..... 30,0 %
Assay (as vol. O_2)(Perm.) ..... 100 vol.

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,005 %
Acidity ..... 0,0008 meq/g
Nitrogen compounds (as N) ..... 0,001 %
Chloride (Cl) ..... 0,0001 %
Phosphate (PO_4) ..... 0,0005 %
Sulphate (SO_4) ..... 0,0005 %
Heavy metals (as Pb) ..... 0,0001 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Cu	0,02	Ni	0,05
Al	0,2	Fe	0,1	Pb	0,1
As	0,5	Ga	0,05	Pt	0,1
Au	0,1	Ge	0,05	Sb	0,02
B	0,5	Hg	0,1	Sr	0,02
Ba	0,1	In	0,05	Ti	0,05
Be	0,02	K	5	Tl	0,02
Bi	0,05	Li	0,02	V	0,02
Ca	0,5	Mg	0,1	Zn	0,1
Cd	0,05	Mn	0,02	Zr	0,05
Co	0,02	Mo	0,02		
Cr	0,02	Na	10		

Order code	Package	Units/Box st.
121076.1410	500 ml	2
121076.1211	1000 ml	6
121076.1214	5 l	4
121076.0716	25 l	

Hydrogen Peroxide 30% w/v (100 vol.) stabilized PRS

H_2O_2

M: 34,01 CAS: 7722-84-1 EINECS: 231-765-0 NC: 2847 00 00 UN: 2014
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 501 CAO: 506
HAZARDOUS:

Xn **R: 22-41 S: 17-26-28a-36/37/39-45 CE: 008-003-00-9**

1l~1,10kg 1kg~0,91l

SPECIFICATIONS:
Assay (Perm.) w/v ..... 30 %
Assay (as vol. O_2) (Perm.) ..... 100 vol.
Non-volatile matter ..... 0,05 %
Acidity ..... 0,012 meq/g
Chloride (Cl) ..... 0,005 %
As ..... 0,00005 %
Cu ..... 0,001 %
Fe ..... 0,0005 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141076.1410	500 ml	2
141076.1211	1000 ml	6
141076.1214	5 l	4
141076.0716	25 l	

Hydrogen Peroxide 30% w/v (100 vol.) stabilized (F.C.C.) ADITIO

H_2O_2

M: 34,01 CAS: 7722-84-1 EINECS: 231-765-0 NC: 2847 00 00 UN: 2014
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 501 CAO: 506
HAZARDOUS:

Xn **R: 22-41 S: 17-26-28a-36/37/39-45 CE: 008-003-00-9**

1l~1,10kg 1kg~0,91l

SPECIFICATIONS:
Assay (Perm.) w/v, not less than ..... 30,0 %
Assay (as vol. O_2) (Perm.) ..... 100 vol.
Acidity (as H_2SO_4), not more than ..... 0,03 %
Iron, not more than ..... 0,5 ppm
Phosphate (PO_4), not more than ..... 0,005 %
Residue on evaporation, not more than ..... 0,006 %
Tin, not more than ..... 10 ppm
Lead, not more than ..... 4 ppm
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201076.1214	5 l	4
201076.0716	25 l	

Hydrogen Peroxide 10% w/v (~33 vol.) stabilized VINIKIT

for determination of Fe, according to Ferré Michel method

H_2O_2

M: 34,01 CAS: 7722-84-1 EINECS: 231-765-0 NC: 2847 00 00 UN: 2984
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 514 CAO: 515
HAZARDOUS:

Xn **R: 22-41 S: 17-26-28a-36/37/39-45 CE: 008-003-00-9**

1l~1,009kg 1kg~0,991l

SPECIFICATIONS:
Assay (Perm.) w/v ..... 10 %
Assay (as vol. O_2)(Perm.) ..... 33 vol.

Order code	Package	Units/Box st.
625513.1205	10 ml	6
625513.1208	100 ml	6

Hydrogen Peroxide 6% w/v (20 vol.) stabilized (BP) PRS-CODEX

H_2O_2

M: 34,01 CAS: 7722-84-1 EINECS: 231-765-0 NC: 2847 00 00
HAZARDOUS:

Xi **R: 36 S: 17-26-28a-36/37/39-45 CE: 008-003-00-9**

1l~1,02kg 1kg~0,98l

SPECIFICATIONS:
Assay (Perm.) w/v ..... 5,0-7,0 %
Assay (as vol. O_2)(Perm.) ..... 20 vol.
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES
Non-volatile matter ..... 0,02 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Organic stabilisers ..... 0,025 %
Acidity ..... p/t.
Chloride (Cl) ..... 0,001 %
Phosphate (PO_4) ..... 0,005 %
Sulphate (SO_4) ..... 0,001 %
As ..... 0,00005 %
Cu ..... 0,001 %
Fe ..... 0,0005 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
142660.1211	1000 ml	6
142660.1214	5 l	4
142660.0716	25 l	

Hydrogen Peroxide 3% w/v (10 vol.) stabilized VINIKIT

H_2O_2

M: 34,01 CAS: 7722-84-1 EINECS: 231-765-0 NC: 2847 00 00

1l~1,009kg 1kg~0,991l

SPECIFICATIONS:
Assay (Perm.) w/v ..... 3 %

Order code	Package	Units/Box st.
622772.1209	250 ml	6

Hydrogen Peroxide 0,9% w/v (3 vol.) VINIKIT

for determination of the sulphurous gas (SO_2), according to Paul

H_2O_2

M: 34,01 CAS: 7722-84-1 EINECS: 231-765-0 NC: 2847 00 00

1l~1,000kg 1kg~1,000l

Composition:
Hydrogen Peroxide 30% w/v ..... 3 ml
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
624904.1209	250 ml	6

Hydroquinone (USP) PRS-CODEX

$C_6H_4(OH)_2$

M: 110,11 CAS: 123-31-9 EINECS: 204-617-8 NC: 2907 22 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911
HAZARDOUS:

Xn N **R: 22-40-41-43-68-50 S: 26-36/37/39-61 CE: 604-005-00-4**

SPECIFICATIONS:
Assay (calc. a.d.s.).....99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
Melting range..... 172-174°C

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O..... p/t.
Residue on ignition (as SO_4).....0,1 %
Residual solvents (Ph.Eur./USP)..... p/t
Pyrocatechol.....0,05 %
Sulphate (SO_4) .....0,05 %
Water (H_2O).....0,5 %
Heavy metals (as Pb).....0,002 %
Cu .....0,001 %
Fe.....0,001 %
Ni .....0,001 %
Pb .....0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141351.1208	100 g	6
141351.1210	500 g	6
141351.0914	5 kg	
141351.0416	25 kg	

Hydroquinone, 99% PS

$C_6H_4(OH)_2$

M: 110,11 CAS: 123-31-9 EINECS: 204-617-8 NC: 2907 22 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911
HAZARDOUS:

Xn N **R: 22-40-41-43-68-50 S: 26-36/37/39-61 CE: 604-005-00-4**

SPECIFICATIONS:
Minimum assay (G.C.) .....99 %
Identity.....IR p/t.
Melting range..... 172-174°C

Order code	Package	Units/Box st.
161351.1209	250 g	6
161351.1211	1000 g	6
161351.0914	5 kg	

Hydroquinone mono-Methyl Ether

(see 4-Methoxyphenol)

Hydrotimetric Liquor RE

for determination of hardness of water according to Boutron and Boudet.
Storage over 18°C.

NC: 3822 00 00 UN: 1993
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

F **R: 10 S: 16**

1l~0,920kg 1kg~1,087l
SPECIFICATIONS:
Composition:
Pure olive oil .....28,3 ml
Formaldehyde 35-40%.....5 ml
Sodium Hydroxide pellets .....4,46 g
Ethanol absolute.....552,4 ml
Water .....452,6 ml

Order code	Package	Units/Box st.
171386.1211	1000 ml	6
171386.1212	2,5 l	4

Hydroxyacetic Acid

(see Glycolic Acid)

4'-Hydroxyacetophenone, 98% PS

$C_8H_8O_2$

M: 136,15 CAS: 99-93-4 EINECS: 202-802-8 NC: 2914 50 00
SPECIFICATIONS:
Assay.....98 %
Identity.....IR p/t.

Order code	Package	Units/Box st.
15A037.1208	100 g	6
15A037.1210	500 g	6

1-Hydroxyadamantane

(see 1-Adamantanol)

2-Hydroxyaniline

(see 2-Aminophenol)

4-Hydroxyaniline

(see 4-Aminophenol)

4-Hydroxyanisole

(see 4-Methoxyphenol)

Hydroxybenzene

(see Phenol)

2-Hydroxybenzoic Acid

(see Salicylic Acid)

4-Hydroxybenzoic Acid, 99% PS

$C_7H_6O_3$

M: 138,12 CAS: 99-96-7 EINECS: 202-804-9 NC: 2916 31 00
SPECIFICATIONS:
Minimum assay (Acidim.).....99 %
Identity.....IR p/t.
Melting range..... 213-215°C

Order code	Package	Units/Box st.
15A669.1209	250 g	6
15A669.1211	1000 g	6

4-Hydroxybenzoic Acid Methyl Ester

(see Methyl 4-Hydroxybenzoate)

1-Hydroxybenzotriazole hydrate, 98% PS

$C_6H_5N_3O.xH_2O$

M: 135,13 CAS: 123333-53-9 EINECS: 219-989-7 NC: 2933 99 90 UN: 3380
IMDG: 4.1/I ADR: 4.1/I IATA: 4.1/I PAX: P CAO: P
HAZARDOUS:

F **R: 11 S: 15**

SPECIFICATIONS:
Minimum assay .....98 %

Order code	Package	Units/Box st.
15A446.1606	25 g	6
15A446.1608	100 g	6

3-Hydroxybenzotrifluoride

(see 3-(Trifluoromethyl) Phenol)

4-Hydroxibenzyl Alcohol, 99% PS

$C_7H_8O_2$

M: 124,14 CAS: 623-05-2 EINECS: 210-768-0 NC: 2907 29 00
SPECIFICATIONS:
Assay.....99 %
Identity.....IR p/t.

Order code	Package	Units/Box st.
15B641.1606	25 g	6
15B641.1608	100 g	6

α-Hydroxybenzyl Phenyl Ketone

(see Benzoin)

2-Hydroxybiphenyl, 98% PS

$C_{12}H_{10}O$

M: 170,21 CAS: 90-43-7 EINECS: 201-993-5 NC: 2907 19 90
HAZARDOUS:

Xi **R: 36/38 S: 22 CE: 604-020-00-6**

SPECIFICATIONS:
Minimum assay (G.C.) .....98 %
Identity.....IR p/t.
Melting range..... 56-58°C

Order code	Package	Units/Box st.
15A632.1211	1000 g	6

4-Hydroxybutyric Acid Lactone

(see γ-Butyrolactone)

2-Hydroxy-p-Cymene

(see 5-Isopropyl-2-Methylphenol)

2-Hydroxy-5-Chlorothymol

(see 5-Chlorcarvacrol)

2-Hydroxy-3,5-Dinitrobenzoic Acid

(see 3,5-Dinitrosalicylic Acid)

2-Hydroxyethyl Chloride

(see 2-Chloroethanol)

2-(Hydroxyethyl) Phenyl Sulphide
(see 2-(Phenylthio) Ethanol)

2-[4(2-Hydroxyethyl)-1-Piperazinyl] Ethanesulphonic Acid PB
$C_8H_{18}N_2O_4S$
M: 238,30 CAS: 7365-45-9 EINECS: 230-907-9 NC: 2933 59 95
SPECIFICATIONS:
Minimum assay ..... 99 %
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 105°C ..... 0,5 %
ABS at λ250 nm 1 mol/l solution in H_2O 0,2
Sulphate (SO_4) ..... 0,05 %
Heavy metals (as Pb) ..... 0,001 %

Order code	Package	Units/Box st.
375229.1206	25 g	6
375229.1208	100 g	6
375229.1209	250 g	6
375229.1211	1000 g	6

3-[4(2-Hydroxyethyl)-1-Piperazinyl] Propanesulphonic Acid PB
$C_9H_{20}N_2O_4S$
M: 252,33 CAS: 16052-06-5 EINECS: 240-198-8 NC: 2933 59 95
SPECIFICATIONS:
Minimum assay (Acidim.) ..... 99,0 %
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,1 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
ABS at λ260 nm 0,1 mol/l sol. in H_2O 0,05
ABS at λ280 nm 0,1 mol/l sol. in H_2O 0,05

Order code	Package	Units/Box st.
376141.1206	25 g	6
376141.1209	250 g	6

2-(2-Hydroxyethyl) Pyridine, 98% PS
C_7H_9NO
M: 123,15 CAS: 103-74-2 EINECS: 203-140-2 NC: 2933 39 99
HAZARDOUS:
Xi
R: 36/37/38 S: 24/25-26
1l~1,093kg 1kg~0,914l
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A118.1608	100 ml	6
15A118.1610	500 ml	6

2-Hydroxy-3-[4(2-Hydroxyethyl)-1-Piperazinyl] Propanesulphonic Acid 1-hydrate PB
$C_9H_{20}N_2O_5S.H_2O$
M: 286,35 CAS: 68399-78-0 EINECS: 269-990-1 NC: 2933 59 95
SPECIFICATIONS:
Minimum assay ..... 99 %
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Residue on ignition (as SO_4) ..... 0,2 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
ABS at λ260 nm 1 mol/l sol. in H_2O 0,1
ABS at λ280 nm 1 mol/l sol. in H_2O 0,1

Order code	Package	Units/Box st.
376143.1605	10 g	6
376143.1607	50 g	6

5-Hydroxy-2-(Hydroxymethyl)-4H-Pyran-4-one
(see Kojic Acid)

2-Hydroxyisobutyric Acid, 99% PS
$C_4H_8O_3$
M: 104,11 CAS: 594-61-6 EINECS: 209-848-8 NC: 2918 19 85
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.
Melting range ..... 80-82°C

Order code	Package	Units/Box st.
15B588.1606	25 g	6
15B588.1608	100 g	6

Hydroxylamine
(see Hydroxylammonium compounds)

Hydroxylammonium Chloride (max. 0,000001% Hg) PA-ACS-ISO
$(NH_3OH)Cl$
M: 69,49 CAS: 5470-11-1 EINECS: 226-798-2 NC: 2825 10 00 UN: 1759
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:
Xn N
R: 22-36/38-43-48/22-50 S: 22-24-37-61 CE: 612-123-00-2
SPECIFICATIONS:
Minimum assay (Perm.) ..... 99,5 %
pH of 5% solution 2,5-4,0
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Insoluble matter in C_2H_5OH ..... 0,005 %
Residue on ignition (as SO_4) ..... 0,01 %
Acidity ..... 0,25 meq/g
Sulphur compounds (as SO_4) ..... 0,002 %
Ammonium (NH_4) ..... 0,05 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0001 %
Hg ..... 0,000001 %
Metals by ICP [mg/Kg (ppm)]

Bi	5	Ge	5	Pb	5
Cd	5	In	5	Sr	5
Co	5	K	50	Tl	5
Cr	5	Mg	5	V	5
Cu	5	Mn	5	Zn	5
Fe	5	Na	50	Zr	5
Ga	5	Ni	5		

Order code	Package	Units/Box st.
471914.1209	250 g	6

Hydroxylammonium Chloride (Reag. Ph. Eur.) PA-ACS-ISO
$(NH_3OH)Cl$
M: 69,49 CAS: 5470-11-1 EINECS: 226-798-2 NC: 2825 10 00 UN: 1759
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:
Xn N
R: 22-36/38-43-48/22-50 S: 22-24-37-61 CE: 612-123-00-2
SPECIFICATIONS:
Minimum assay (Perm.) ..... 99,5 %
pH of 5% solution 2,5-4,0
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Insoluble matter in C_2H_5OH ..... 0,005 %
Residue on ignition (as SO_4) ..... 0,01 %
Acidity ..... 0,25 meq/g
Sulphur compounds (as SO_4) ..... 0,002 %
Ammonium (NH_4) ..... 0,05 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0001 %
Metals by ICP [mg/Kg (ppm)]

Bi	5	Ge	5	Pb	5
Cd	5	In	5	Sr	5
Co	5	K	50	Tl	5
Cr	5	Mg	5	V	5
Cu	5	Mn	5	Zn	5
Fe	5	Na	50	Zr	5
Ga	5	Ni	5		

Order code	Package	Units/Box st.
131914.1209	250 g	6
131914.1211	1000 g	6
131914.1214	5 kg	4

Hydroxylammonium Chloride PRS
$(NH_3OH)Cl$
M: 69,49 CAS: 5470-11-1 EINECS: 226-798-2 NC: 2825 10 00 UN: 1759
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:
Xn N
R: 22-36/38-43-48/22-50 S: 22-24-37-61 CE: 612-123-00-2
SPECIFICATIONS:
Assay (Perm.) ..... 99 %
Insoluble matter in H_2O ..... 0,01 %
Residue on ignition (as SO_4) ..... 0,2 %
Acidity ..... 0,5 meq/g
Sulphate (SO_4) ..... 0,05 %
As ..... 0,0001 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141914.1209	250 g	6
141914.1211	1000 g	6
141914.1214	5 kg	4

Hydroxylammonium Chloride, 99% PS

$(NH_3OH)Cl$

M: 69,49 CAS: 5470-11-1 EINECS: 226-798-2 NC: 2825 10 00 UN: 1759
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:

Xn N **R: 22-36/38-43-48/22-50 S: 22-24-37-61 CE: 612-123-00-2**

SPECIFICATIONS:
Assay (Perm.)..... 99 %

Order code	Package	Units/Box st.
151914.1208	100 g	6
151914.1210	500 g	6

Hydroxylammonium Sulphate PA

$(NH_3OH)_2SO_4$

M: 164,15 CAS: 10039-54-0 EINECS: 233-118-8 NC: 2825 10 00 UN: 2865
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:

Xn N **R: 22-36/38-43-48/22-50 S: 22-24-37-61 CE: 612-123-00-2**

SPECIFICATIONS:
Minimum assay (Perm.)..... 99,0 %
pH of 2% solution 3,0-4,0

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O..... 0,005 %
Residue on ignition..... 0,1 %
Acidity (as H_2SO_4) ..... 0,05 %
Chloride (Cl)..... 0,001 %
Heavy metals (as Pb)..... 0,001 %
As ..... 0,00005 %
Cu ..... 0,0005 %
Fe..... 0,0005 %
K ..... 0,001 %
Na ..... 0,002 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
121925.1209	250 g	6
121925.1214	5 kg	4

Hydroxylammonium Sulphate, 99% PS

$(NH_3OH)_2SO_4$

M: 164,15 CAS: 10039-54-0 EINECS: 233-118-8 NC: 2825 10 00 UN: 2865
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:

Xn N **R: 22-36/38-43-48/22-50 S: 22-24-37-61 CE: 612-123-00-2**

SPECIFICATIONS:
Assay (Perm.)..... 99 %

Order code	Package	Units/Box st.
151925.1208	100 g	6
151925.1211	1000 g	6

Hydroxymethanesulphinic Acid Sodium Salt

(see Sodium Formaldehyde Sulphoxylate x-hydrate)

1-Hydroxy-4-Methoxybenzene

(see 4-Methoxyphenol)

(Hydroxymethyl) Cyclopropane

(see Cyclopropylmethanol)

4-Hydroxy-4-Methyl-2-Pentanone PRS

$CH_3COCH_2C(CH_3)_2OH$

M: 116,16 CAS: 123-42-2 EINECS: 204-626-7 NC: 2914 19 90 UN: 1148
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xi **R: 36 S: 24/25 CE: 603-016-00-1**

1l~0,938kg 1kg~1,066l

SPECIFICATIONS:
Assay (G.C.)..... 98 %
Identity..... IR p/t.
Density at 20/4 0,935-0,940
Non-volatile matter..... 0,05 %
Mesityl oxide (G.C.) ..... 0,5 %
Water (H_2O)..... 0,3 %
Cu ..... 0,00002 %
Fe..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141083.1611	1000 ml	6
141083.1612	2,5 l	4
141083.1214	5 l	4
141083.0716	25 l	

4-Hydroxy-4-Methyl-2-Pentanone, 98% PS

$CH_3COCH_2C(CH_3)_2OH$

M: 116,16 CAS: 123-42-2 EINECS: 204-626-7 NC: 2914 19 90 UN: 1148
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xi **R: 36 S: 24/25 CE: 603-016-00-1**

1l~0,938kg 1kg~1,066l

SPECIFICATIONS:
Assay (G.C.)..... 98 %
Identity..... IR p/t.

Order code	Package	Units/Box st.
151083.1606	25 ml	6
151083.1610	500 ml	6

2-Hydroxy-3-Morpholinopropanesulphonic Acid PB

$C_7H_{15}NO_5S$

M: 225,26 CAS: 68399-77-9 EINECS: 269-989-6 NC: 2934 99 90

SPECIFICATIONS:
Minimum assay ..... 99 %
Identity..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES
Loss on drying..... 1 %
Residue on ignition (as SO_4)..... 0,2 %
Chloride (Cl)..... 0,05 %
Sulphate (SO_4) ..... 0,005 %
ABS at λ260 nm 0,1 mol/l sol. in H_2O..... 0,05
ABS at λ280 nm 0,1 mol/l sol. in H_2O..... 0,05

Order code	Package	Units/Box st.
376145.1206	25 g	6
376145.1209	250 g	6

1-Hydroxynaphthalene

(see 1-Naphthol)

2-Hydroxynaphthalene

(see 2-Naphthol)

2-Hydroxy-5-Nitrobenzaldehyde

(see 5-Nitrosalicylaldehyde)

2-Hydroxy-1-Nitroso-3,6-Naphthalenedisulphonic Acid Disodium Salt

(see Nitroso R Salt)

4-Hydroxyphenylacetamide, 99% PS

$C_8H_9NO_2$

M: 151,16 CAS: 17194-82-0 EINECS: 241-235-0 NC: 2924 29 95

SPECIFICATIONS:
Assay..... 99 %
Identity..... IR p/t.
Melting range..... 175-176°C

Order code	Package	Units/Box st.
15B642.1604	5 g	6

4-Hydroxyphenylacetic Acid, 98% PS

$C_8H_8O_3$

M: 152,15 CAS: 156-38-7 EINECS: 205-851-3 NC: 2918 19 85
HAZARDOUS:

Xi **R: 36/37/38 S: 24/25**

SPECIFICATIONS:
Minimum assay ..... 98 %
Identity..... IR p/t.
Melting range..... 150-153°C

Order code	Package	Units/Box st.
15A670.1206	25 g	6

DL-α-Hydroxyphenylacetic Acid

(see DL-Mandelic Acid)

N-Hydroxyphthalimide, 98% PS

$C_8H_5NO_3$

M: 163,13 CAS: 524-38-9 EINECS: 208-358-1 NC: 2925 19 95

SPECIFICATIONS:
Minimum assay (Acidim.)..... 98 %
Identity..... IR p/t.
Melting range..... 230-235°C

Order code	Package	Units/Box st.
15A838.1208	100 g	6

4-Hydroxypiperidine, 98% PS

$C_5H_{11}NO$

M: 101,15 CAS: 5382-16-1 EINECS: 226-373-1 NC: 2933 39 99

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A190.1606	25 g	6
15A190.1608	100 g	6

2-Hydroxy-1,2,3-Propanetricarboxylic Acid Potassium Salt

(see tri-Potassium Citrate 1-hydrate)

(S)-2-Hydroxypropanoic Acid

(see L(+)-Lactic Acid)

6-Hydroxypurine

(see Hypoxanthine)

8-Hydroxyquinoline (Reag. Ph. Eur.) PA-ACS

C_9H_7NO

M: 145,16 CAS: 148-24-3 EINECS: 205-711-1 NC: 2933 49 90 UN: 2811

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn

R: 20/22 S: 24/25

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Melting range ..... 72,5-74,0°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in C_2H_5OH ..... 0,05 %
Residue on ignition (as SO_4) ..... 0,05 %
Suitability for Mg determination ..... p/t.
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
Water (H_2O) ..... 0,2 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Mg ..... 0,005 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
131352.1608	100 g	6
131352.1609	250 g	6

8-Hydroxyquinoline, 99% PS

C_9H_7NO

M: 145,16 CAS: 148-24-3 EINECS: 205-711-1 NC: 2933 49 90 UN: 2811

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn

R: 20/22 S: 24/25

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 72-74°C

Order code	Package	Units/Box st.
161352.1608	100 g	6
161352.1610	500 g	6

D-Hydroxysuccinic Acid

(see D-Malic Acid)

DL-Hydroxysuccinic Acid

(see DL-Malic Acid)

2-Hydroxytoluene

(see o-Cresol)

4-Hydroxytoluene

(see p-Cresol)

2-Hydroxy-N-[Tris (Hydroxymethyl) Methyl] 3-Aminopropanesulphonic Acid PB

$C_7H_{17}NO_7S$

M: 259,27 CAS: 68399-81-5 EINECS: 269-993-8 NC: 2922 19 80

SPECIFICATIONS:

Minimum assay ..... 99 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition (as SO_4) ..... 0,1 %
Chloride (Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,05 %
ABS at λ260 nm of 0,1 mol/l sol. in H_2O 0,04
ABS at λ260 nm of 0,1 mol/l sol. in H_2O 0,02

Order code	Package	Units/Box st.
376147.1206	25 g	6
376147.1209	250 g	6

5-Hydroxy-m-Xylene

(see 3,5-Dimethylphenol)

Hypoxanthine, 99% PS

$C_5H_4N_4O$

M: 136,11 CAS: 68-94-0 EINECS: 200-697-3 NC: 2933 21 00

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B691.1604	5 g	6
15B691.1606	25 g	6

ICP STANDARDS

(see Standards for ICP)

Imidazole (Reag. USP, Ph. Eur.) PA-ACS

$C_3H_4N_2$

M: 68,08 CAS: 288-32-4 EINECS: 206-019-2 NC: 2933 29 90 UN: 3263

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823

HAZARDOUS:

C

R: 22-34-63 S: 22-26-36/37/39-45

SPECIFICATIONS:

Minimum assay ..... 99,0 %
Identity ..... IR p/t.
Melting range ..... 88-90°C
pH of 5% solution 9,5-10,5

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Residue on ignition (as SO_4) ..... 0,05 %
Water (H_2O) ..... 0,2 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
Ca ..... 0,001 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,001 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
132536.1208	100 g	6
132536.1210	500 g	6

Imidazole, 99% PS

$C_3H_4N_2$

M: 68,08 CAS: 288-32-4 EINECS: 206-019-2 NC: 2933 29 90 UN: 3263

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823

HAZARDOUS:

C

R: 22-34-63 S: 22-26-36/37/39-45

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 88-90°C
Water (H_2O) ..... 0,5 %

Order code	Package	Units/Box st.
162536.1209	250 g	6
162536.1211	1000 g	6

2,4-Imidazolidinedione

(see Hydantoin)

Imidazolidinyl Urea, 26-28% (in N) PS

$C_{11}H_8N_8O_8$

M: 388,3 CAS: 39236-46-9 EINECS: 254-372-6 NC: 2933 29 90

SPECIFICATIONS:

Assay (as N).....26-28 %

Order code	Package	Units/Box st.
15B187.1608	100 g	6
15B187.1610	500 g	6

Iminodibenzyl, 99% PS

$C_{14}H_{13}N$

M: 195,27 CAS: 494-19-9 EINECS: 207-787-1 NC: 2933 99 30

HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

SPECIFICATIONS:

Assay.....99 %
Identity.....IR p/t.
Melting range.....105-108°C

Order code	Package	Units/Box st.
15B692.1206	25 g	6

2,2'-Iminodiethanol

(see Diethanolamine)

Immersion Oil DC

for microscopy, inclusion medium

CAS: 8001-79-4 EINECS: 232-293-8 NC: 1515 30 90

1l~0,960kg 1kg~1,042l

SPECIFICATIONS:

Identity.....IR p/t.
Density at 20/4 0,955-0,965
Refractive index n ^{20}/D.....1,477-1,481

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in C_2H_5OH .....p/t.

Order code	Package	Units/Box st.
251002.1207	50 ml	6
251002.1208	100 ml	6

Immersion Oil purified DC

for microscopy

CAS: 8000-27-9 NC: 3301 30 00

1l~0,990kg 1kg~1,010l

SPECIFICATIONS:

Identity.....IR p/t.
Density at 20/4 0,985-0,995
Refractive index n ^{20}/D.....1,51-1,57

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in $C_2H_5OC_2H_5$.....p/t
Insoluble matter in C_2H_5OH .....p/t

Order code	Package	Units/Box st.
254561.1207	50 ml	6
254561.1208	100 ml	6

Indicator, Mixed (Dimidium Bromide-Disulphine Blue) RV

for determination of surfactants. pale pink; pale blue

NC: 3822 00 00 UN: 3265

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

Xn Xi **R: 68/20/21/22-E20/21/22-36/38 S: 7-16-36/37-45-26**

1l~1,023kg 1kg~0,978l

Composition:
Dimidium Bromide.....80 mg
Disulphine Blue.....40 mg
Sulphuric Acid 96%.....36 ml
Methanol.....100 ml
Water s.q.m. .....1000 ml

Order code	Package	Units/Box st.
286330.1612	2,5 l	4

Indicator 4,4, Mixed (Methyl Red-Methylene Blue) RV

for ammonia titrations. pH 4,4 red violet; 5,8 green

NC: 3822 00 00 UN: 1993

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F **R: 11 S: 7-16**

1l~0,828kg 1kg~1,208l

Composition:
Methyl Red .....100 mg
Methylene Blue.....50 mg
Water .....10,4 ml
Ethanol absolute s.q.m.....100 ml

Order code	Package	Units/Box st.
282430.1609	250 ml	6

Indicator 4,4, Mixed (Methyl Red-Methylene Blue) VINIKIT

for determination of sulphurous gas (SO_2) in wines, according to Paul. pH 4,4 violet; 5,8 green

NC: 3822 00 00 UN: 1993

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

R: 10 S: 16

1l~0,931kg 1kg~1,074l

Composition:
Methyl Red .....100 mg
Methylene Blue.....50 mg
Ethanol absolute.....50 ml
Water s.q.m .....100 ml

Order code	Package	Units/Box st.
624905.1208	100 ml	6

Indicator 4,8, Mixed (Methyl Red-Bromocresol Green) RV

for ammonia titrations. pH 4,8 pink violet; 5,5 emerald green

NC: 3822 00 00 UN: 1993

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F **R: 10 S: 16**

1l~0,799kg 1kg~1,252l

Composition:
Methyl Red .....41 mg
Bromocresol Green .....60 mg
Ethanol absolute s.q.m.....100 ml

Order code	Package	Units/Box st.
283303.1609	250 ml	6

Indicator Solvent RV

for oil and fat acidity

NC: 3822 00 00 UN: 1993

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F **R: 11 S: 16**

1l~0,76kg 1kg~1,32l

Composition:
Phenolphtalein.....15 mg
Ethyl Ether .....50 ml
Ethanol .....50 ml

Order code	Package	Units/Box st.
281298.1611	1000 ml	6

Indicator Buffer Tablets RV

for the hardness water determination with EDTA

NC: 3822 00 00

HAZARDOUS:

Xn **R: 22-36-42/43 S: 22-24-37-45**

SPECIFICATIONS:

Suitability as hardness indicator .....p/t.
Disintegration time at 25°C .....100 s

Order code	Package	Units/Box st.
285406.1208	100 g	6

Indigo Carmine (C.I. 73015) PA

for determination of nitrates

$C_{16}H_8N_2O_8S_2Na_2$

M: 466,36 CAS: 860-22-0 EINECS: 212-728-8 NC: 3204 12 00

SPECIFICATIONS:

λ of max. ABS in H_2O .....606-612 nm
A 1%, 1 cm, λmax.....>380
T.L.C .....p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 135°C.....10 %

Order code	Package	Units/Box st.
121246.1605	10 g	6
121246.1607	50 g	6

Indigo Carmine (C.I. 73015) DC

for microscopy, nucleus and glycogen staining

$C_{16}H_8N_2O_8S_2Na_2$

M: 466,36 CAS: 860-22-0 EINECS: 212-728-8 NC: 3204 12 00

SPECIFICATIONS:

λ of max. ABS in H_2O ..... 606-612 nm
A 1%, 1 cm, λmax ..... >380
Ratio λmax. P± 15 nm 0,98-1,07
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 135°C ..... 10 %

Order code	Package	Units/Box st.
251246.1605	10 g	6
251246.1607	50 g	6

Indigotine

(see Indigo Carmine)

INDIUM SOLUTIONS

(see Standards for ICP)

Indium(III) Sulphate anhydrous PRS

$In_2(SO_4)_3$

M: 517,83 CAS: 13464-82-9 EINECS: 236-689-1 NC: 2833 29 90

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
143459.1605	10 g	6

Indole PA

C_8H_7N

M: 117,15 CAS: 120-72-9 EINECS: 204-420-7 NC: 2933 99 20

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Melting range ..... 51-53°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in C_2H_5OH ..... p/t.
Residue on ignition (as SO_4) ..... 0,1 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
122065.1605	10 g	6

Indole, 99% PS

C_8H_7N

M: 117,15 CAS: 120-72-9 EINECS: 204-420-7 NC: 2933 99 20

SPECIFICATIONS:

Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 50-52°C

Order code	Package	Units/Box st.
162065.1608	100 g	6

1H-Indole-3-Acetic Acid, 98% PS

$C_{10}H_9NO_2$

M: 175,18 CAS: 87-51-4 EINECS: 201-748-2 NC: 2933 99 90

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A262.1606	25 g	6
15A262.1608	100 g	6

1H-Indole-3-Butyric Acid PB

$C_{12}H_{13}NO_2$

M: 203,24 CAS: 133-32-4 EINECS: 205-101-5 NC: 2933 99 90 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn

R: 20/22 S: 46

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99,0 %
Identity ..... IR p/t.
Melting range ..... 124-126°C

MAXIMUM LIMIT OF IMPURITIES

Loss on drying ..... 0,2 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %

Order code	Package	Units/Box st.
375494.1604	5 g	6
375494.1606	25 g	6

1H-Indole-3-Butyric Acid, 99% PS

$C_{12}H_{13}NO_2$

M: 203,24 CAS: 133-32-4 EINECS: 205-101-5 NC: 2933 99 90 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn

R: 20/22 S: 46

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
155494.1604	5 g	6
155494.1606	25 g	6

3-Indoxyl-β-D-Glucopyranoside anhydrous PB

$C_{14}H_{17}NO_6$

M: 295,29 CAS: 487-60-5 NC: 2942 00 00

SPECIFICATIONS:

Minimum assay (HPLC) ..... 99,0 %
Identity ..... IR p/t.
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... p/t.
Water (H_2O) ..... 0,5 %

Order code	Package	Units/Box st.
376152.1603	1 g	6

Infusorial Earth

(see Siliceous Earth purified and calcined)

Ingredients for Microbiology

(see chapter CULTIMED products)

Inositol

(see myo-Inositol)

myo-Inositol, 99% PS

$C_6H_{12}O_6$

M: 180,16 CAS: 87-89-8 EINECS: 201-781-2 NC: 2906 13 90

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B695.1208	100 g	6
15B695.1210	500 g	6

Iodine resublimed pearls PA-ACS

I_2

M: 253,81 CAS: 7553-56-2 EINECS: 231-442-4 NC: 2801 20 00 UN: 1759
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823

HAZARDOUS:

Xn N

R: 20/21-50 S: 23c-25-61 CE: 053-001-00-3

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 99,8 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in KI ..... p/t.
Non-volatile matter ..... 0,01 %
Chlorine and Bromine (as Cl) ..... 0,005 %
Chloride and Bromide (as Cl) ..... 0,005 %
Ca ..... 0,001 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,005 %
K ..... 0,005 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131771.1608	100 g	6
131771.1609	250 g	6
131771.1610	500 g	6
131771.1611	1000 g	6
131771.1614	5 kg	6
131771.0416	25 kg	

Iodine resublimed pearls (RFE, USP, BP, Ph. Eur.) PRS-CODEX

I_2

M: 253,81 CAS: 7553-56-2 EINECS: 231-442-4 NC: 2801 20 00 UN: 1759
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:

Xn N **R: 20/21-50 S: 23c-25-61 CE: 053-001-00-3**

SPECIFICATIONS:
Assay (Iodom.).....99,8-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES
Non-volatile matter.....0,05 %
Residual solvents (Ph.Eur./USP)..... p/t
Chloride and Bromide (as Cl) .....0,025 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141771.1608	100 g	6
141771.1609	250 g	6
141771.1611	1000 g	6
141771.1614	5 kg	4
141771.0416	25 kg PP	

Iodine crude QP

I_2

M: 253,81 CAS: 7553-56-2 EINECS: 231-442-4 NC: 2801 20 00 UN: 1759
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:

Xn N **R: 20/21-50 S: 23c-25-61 CE: 053-001-00-3**

SPECIFICATIONS:
Assay (Iodom.).....99 %
Non-volatile matter.....0,05 %
Chloride and Bromide (as Cl) .....0,05 %

Order code	Package	Units/Box st.
213168.1608	100 g	6
213168.1609	250 g	6
213168.1611	1000 g	6
213168.1614	5 kg	6
213168.0416	25 kg PP	

IODINE SOLUTIONS

Iodine solution ~7% in ethanol 85% (USP) CODEX

I_2

M: 253,81 NC: 3822 00 00 UN: 1993
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

F N **R: 10-51 S: 7-16-61**

1l~0,924kg 1kg~1,082l
SPECIFICATIONS:
Iodine (w/v).....6,8-7,5 %
Potassium iodide (w/v) .....4,7-5,5 %
Identity according to Pharmacopoeias ..... p/t.
Ethanol .....82,5-88,5 %
Residual solvents (Ph.Eur./USP)..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
191931.1610	500 ml	6
191931.1611	1000 ml	6

Iodine solution ~2% in ethanol 50% (USP) CODEX

I_2

M: 253,81 NC: 3822 00 00 UN: 1993
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

F **R: 10-52 S: 7-16**

1l~0,948kg 1kg~1,055l
SPECIFICATIONS:
Iodine (w/v).....1,8-2,2 %
Sodium iodide (w/v).....2,1-2,6 %
Identity according to Pharmacopoeias ..... p/t.
Ethanol .....44,0-50,0 %
Residual solvents (Ph.Eur./USP)..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
191932.1610	500 ml	6
191932.1611	1000 ml	6

Iodine 0,01 mol/l (0,02N) SV

Indicator: Starch
I_2

M: 253,81 CAS: 7553-56-2 EINECS: 231-442-4 NC: 2801 20 00
HAZARDOUS:
R: 52 CE: 053-001-00-3
1l~1,005kg 1kg~0,995l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
181969.1611	1000 ml	6

Iodine 0,02365 mol/l (0,0473N) ASTM D 1510 SV

I_2

M: 253,81 CAS: 7553-56-2 EINECS: 231-442-4 NC: 2801 20 00
HAZARDOUS:
R: 52 CE: 053-001-00-3
1l~1,040kg 1kg~0,962l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
182915.1616	25 l	

Iodine 0,025 mol/l (0,05N) SV

Indicator: Starch
I_2

M: 253,81 CAS: 7553-56-2 EINECS: 231-442-4 NC: 2801 20 00
HAZARDOUS:
R: 52 CE: 053-001-00-3
1l~1,015kg 1kg~0,985l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
182161.1611	1000 ml	6

Iodine 0,05 mol/l (0,1N) SV

Indicator: Starch
I_2

M: 253,81 CAS: 7553-56-2 EINECS: 231-442-4 NC: 2801 20 00
HAZARDOUS:
R: 52 S: 61 CE: 053-001-00-3
1l~1,026kg 1kg~0,975l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
181772.1611	1000 ml	6
181772.1612	2,5 l	4

Iodine 0,05 mol (12,690g I_2) to prepare 1l of 0,1N solution SVc

CAS: 7553-56-2 EINECS: 231-442-4 NC: 2801 20 00 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 914 CAO: 914
HAZARDOUS:

N **R: 51 S: 61**

SPECIFICATIONS:
Titer .....1,000 ±0,002

Order code	Package	Units/Box st.
303119.1920	1 ampoule	6

Iodine 0,5 mol/l (1N) SV

Indicator: Starch
I_2

M: 253,81 CAS: 7553-56-2 EINECS: 231-442-4 NC: 2801 20 00 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 914 CAO: 914
HAZARDOUS:

N **R: 51 S: 61 CE: 053-001-00-3**

1l~1,284kg 1kg~0,779l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
182162.1611	1000 ml	6

Iodine 0,01 mol/l (0,02N) VINIKIT

for determination of free and total sulfur dioxide in wine and must. Indicator: Starch

I_2

M: 253,81 CAS: 7553-56-2 EINECS: 231-442-4 NC: 2801 20 00

HAZARDOUS:

R: 52 CE: 053-001-00-3

1l~1,005kg 1kg~0,995l

SPECIFICATIONS:

Titer .....1,000±0,001

Order code	Package	Units/Box st.
621969.1609	250 ml	6
621969.1610	500 ml	6
621969.1611	1000 ml	6

Iodine mono-Bromide PRS

IBr

M: 206,84 CAS: 7789-33-5 EINECS: 232-159-9 NC: 2812 90 00 UN: 1759

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816

HAZARDOUS:

C

R: 34-37 S: 26-36/37/39-45

SPECIFICATIONS:

Assay (Iodom.).....98 %

Insoluble matter in CH_3COOH .....0,01 %

Residue on ignition.....0,1 %

Order code	Package	Units/Box st.
141770.2208	100 g	6
141770.2209	250 g	6

Iodine mono-Bromide, 98% PS

IBr

M: 206,84 CAS: 7789-33-5 EINECS: 232-159-9 NC: 2812 90 00 UN: 1759

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816

HAZARDOUS:

C

R: 34-37 S: 26-36/37/39-45

SPECIFICATIONS:

Assay (Iodom.).....98 %

Order code	Package	Units/Box st.
151770.2207	50 g	6
151770.2211	1000 g	6

Iodine mono-Chloride, 98% PS

ICl

M: 162,36 CAS: 7790-99-0 EINECS: 232-236-7 NC: 2812 90 00 UN: 1792

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: P CAO: 817

HAZARDOUS:

C

R: 34-37 S: 26-36/37/39-45

1l~3,20kg 1kg~0,31l

SPECIFICATIONS:

Assay (Iodom.).....98 %

Order code	Package	Units/Box st.
15A884.2208	100 g	6
15A884.2209	250 g	6

Iodine Monochloride

(see Iodine mono-Chloride)

Iodine's Dyeing

(see Iodine, solution in ethanol)

2-Iodoaniline, 98% PS

C_6H_6IN

M: 219,03 CAS: 615-43-0 EINECS: 210-426-0 NC: 2921 42 10

SPECIFICATIONS:

Assay.....98 %

Identity.....IR p/t.

Order code	Package	Units/Box st.
15B229.1604	5 g	6
15B229.1606	25 g	6

4-Iodoaniline, 98% PS

C_6H_6IN

M: 219,02 CAS: 540-37-4 EINECS: 208-743-4 NC: 2921 42 10 UN: 2811

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn

R: 20/21/22-36/37/38 S: 26-36/37/39

SPECIFICATIONS:

Assay.....98 %

Identity.....IR p/t.

Order code	Package	Units/Box st.
15B231.1606	25 g	6
15B231.1608	100 g	6

1-Iodobutane, 98% stabilized with copper PS

C_4H_9I

M: 184,02 CAS: 542-69-8 EINECS: 208-824-4 NC: 2903 39 90 UN: 1993

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

F

R: 10 S: 9-16

1l~1,617kg 1kg~0,618l

SPECIFICATIONS:

Assay.....98 %

Identity.....IR p/t.

Order code	Package	Units/Box st.
15B247.1608	100 ml	6

2-Iodobutane, 98% stabilized with copper PS

C_4H_9I

M: 184,02 CAS: 513-48-4 EINECS: 208-163-1 NC: 2903 39 90 UN: 2390

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F

R: 10 S: 9-16-29

1l~1,592kg 1kg~0,628l

SPECIFICATIONS:

Assay.....98 %

Identity.....IR p/t.

Order code	Package	Units/Box st.
15B248.1608	100 ml	6
15B248.1610	500 ml	6

Iodoethane, 98% stabilized with copper PS

C_2H_5I

M: 155,97 CAS: 75-03-6 EINECS: 200-833-1 NC: 2903 39 90 UN: 1993

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

R: 10

1l~1,925kg 1kg~0,519l

SPECIFICATIONS:

Minimum assay (G.C.) .....98 %

Identity.....IR p/t.

Density at 20/4 1,923-1,927

Water (H_2O).....0,1 %

Order code	Package	Units/Box st.
15A885.1608	100 ml	6
15A885.1609	250 ml	6

Iodoform PRS

I_3CH

M: 393,73 CAS: 75-47-8 EINECS: 200-874-5 NC: 2903 39 90

HAZARDOUS:

Xn

R: 20/21/22 S: 24/25-36/37

SPECIFICATIONS:

Assay (Arg.).....99 %

Identity.....IR p/t.

Insoluble matter in CH_3COCH_3 .....0,05 %

Residue on ignition (as SO_4) .....0,1 %

Cu.....0,002 %

Fe.....0,002 %

Ni .....0,002 %

Pb .....0,002 %

Order code	Package	Units/Box st.
141909.1608	100 g	6
141909.1609	250 g	6
141909.1611	1000 g	6
141909.1614	5 kg	6

Iodomethane, 99% stabilized with copper PS

CH_3I

M: 141,94 CAS: 74-88-4 EINECS: 200-819-5 NC: 2903 39 90 UN: 2644

IMDG: 6.1/I ADR: 6.1/I IATA: 6.1/- PAX: P CAO: P

HAZARDOUS:

T

R: 21-23/25-37/38-40 S: 36/37-38-45 CE: 602-005-00-9

1l~2,278kg 1kg~0,439l

SPECIFICATIONS:

Minimum assay (G.C.) .....99 %

Identity.....IR p/t.

Density at 20/4 2,270-2,285

Water (H_2O).....0,1 %

Order code	Package	Units/Box st.
15A886.1609	250 g	6
15A886.1611	1000 g	6

1-Iodopropane, 98% stabilized with copper PS

C_3H_7I

M: 169,99 CAS: 107-08-4 EINECS: 203-460-2 NC: 2903 39 90 UN: 2392
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
R: 10 S: 16
1l~1,743kg 1kg~0,574l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B249.1607	50 ml	6
15B249.1609	250 ml	6

N-Iodosuccinimide, 98% PS

$C_4H_4INO_2$

M: 224,99 CAS: 516-12-1 EINECS: 208-221-6 NC: 2925 19 95
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B198.1604	5 g	6
15B198.1606	25 g	6

Iodotrimethylsilane, 98% PS

C_3H_9ISi

M: 200,10 CAS: 16029-98-4 EINECS: 240-171-0 NC: 2931 00 95 UN: 2924
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F C
R: 11-14-34 S: 7/9-16-26-36/37/39-45
1l~1,470kg 1kg~0,680l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B445.1606	25 ml	6
15B445.1608	100 ml	6

Ion Exchange Resin Strongly Acidic RE

CAS: 69011-20-7 NC: 3914 00 00
HAZARDOUS:
Xi
R: 36 S: 26-39
SPECIFICATIONS:
Total exchange capacity, min ..... 1,8 meq/ml
Water ..... 50-56 %

Order code	Package	Units/Box st.
175106.1611	1000 g	6

IONIC CHROMATOGRAPHY STANDARDS

(see Standards for Ionic Chromatography)

Ionol

(see 2,6-Di-tert-Butyl-4-Methylphenol)

IPy_2BF_4

(see Bis (Pyridine) Iodonium Tetrafluoroborate)

IRIDIUM SOLUTIONS

(see Standards for ICP)

Iron metal reduced by hydrogen PRS

Fe

M: 55,85 CAS: 7439-89-6 EINECS: 231-096-4 NC: 7205 29 00
SPECIFICATIONS:
Assay (Perm.) ..... 99 %
Insoluble matter in H_2SO_4 ..... 0,5 %

Order code	Package	Units/Box st.
141901.1210	500 g	6
141901.1211	1000 g	6
141901.1214	5 kg	6

Iron metal, fine granulated QP

Fe

M: 55,85 CAS: 7439-89-6 EINECS: 231-096-4 NC: 7205 29 00
SPECIFICATIONS:
Assay (Iodom.) ..... 99 %

Order code	Package	Units/Box st.
211934.1209	250 g	6
211934.1211	1000 g	6
211934.1214	5 kg	6
211934.0416	25 kg	

Iron metal, thick granulated QP

Fe

M: 55,85 CAS: 7439-89-6 EINECS: 231-096-4 NC: 7205 29 00
SPECIFICATIONS:
Assay (Iodom.) ..... 97 %

Order code	Package	Units/Box st.
211935.1209	250 g	6
211935.1211	1000 g	6

IRON SOLUTIONS

(see also Standards for Atomic Absorption and ICP)

Iron standard solution Fe=0,100±0,002 g/l VINIKIT

[$Fe(NO_3)_3.9H_2O$ in HNO_3 0,5N] for determination of Fe
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/38 S: 26
1l~1,016kg 1kg~0,984l
SPECIFICATIONS:
Concentration (in g/l) ..... 0,100±0,002

Order code	Package	Units/Box st.
624906.1208	100 ml	6

Iron standard solution Fe=0,125±0,005 g/l VINIKIT

[$Fe(NO_3)_3.9H_2O$ in HNO_3 0,5N] for determination of Fe, according to Ferré Michel method
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/38 S: 26
1l~1,015kg 1kg~0,985l
SPECIFICATIONS:

Order code	Package	Units/Box st.
625515.1205	10 ml	6

Iron standard solution Fe=0,200±0,002 g/l VINIKIT

[$Fe(NO_3)_3.9H_2O$ in HNO_3 0,5N] for determination of Fe, according to Ferré Michel method
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/38 S: 26
1l~1,016kg 1kg~0,984l
SPECIFICATIONS:
Element (Iodom.) (as g/l) ..... 0,200±0,002

Order code	Package	Units/Box st.
624617.1209	250 ml	6

Iron Alum

(see Ammonium Iron(III) Sulphate 12-hydrate)

Iron(III) and Ammonium Citrate

(see Ammonium Iron(III) Citrate)

Iron(III) and Ammonium Oxalate

(see Ammonium Iron(III) Oxalate 3-hydrate)

Iron(III) and Ammonium Sulphate

(see Ammonium Iron(III) Sulphate 12-hydrate)

Iron(II) and Ammonium Sulphate

(see Ammonium Iron(II) Sulphate 6-hydrate)

Iron Bis (Cyclopentadienyl)

(see Ferrocene)

Iron(II) Chloride 4-hydrate PRS

$Cl_2Fe.4H_2O$

M: 198,81 CAS: 13478-10-9 EINECS: 231-843-4 NC: 2827 39 20
HAZARDOUS:
Xn
R: 22-38-41 S: 26-39
SPECIFICATIONS:
Minimum assay (Perm.) a.a.s. ..... 63 %

Order code	Package	Units/Box st.
141868.1209	250 g	6
141868.1211	1000 g	6

Iron(III) Chloride anhydrous, 97% PS

$FeCl_3$

M: 162,21 CAS: 7705-08-0 EINECS: 231-729-4 NC: 2827 39 20 UN: 1773
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:

C

R: 22-34 S: 25-36/37/39-45

SPECIFICATIONS:
Minimum assay (Yodom.) ..... 97 %

Order code	Package	Units/Box st.
15A813.1609	250 g	6
15A813.1611	1000 g	6

Iron(III) Chloride 6-hydrate PRS

$FeCl_3.6H_2O$

M: 270,30 CAS: 10025-77-1 EINECS: 231-729-4 NC: 2827 39 20
HAZARDOUS:

Xn

R: 22-36/38 S: 13-39

SPECIFICATIONS:
Assay (Iodom.) ..... 97-102 %
Insoluble matter in HCl ..... 0,05 %
P compounds (as PO_4) ..... 0,05 %
Sulphate (SO_4) ..... 0,1 %
As ..... 0,005 %
Ca ..... 0,05 %
Cu ..... 0,01 %
Fe(II) ..... 0,05 %
K ..... 0,05 %
Mg ..... 0,05 %
Mn ..... 0,1 %
Na ..... 0,1 %
Pb ..... 0,01 %
Zn ..... 0,05 %

Order code	Package	Units/Box st.
141358.1210	500 g	6
141358.1211	1000 g	6
141358.1214	5 kg	4
141358.0416	25 kg	

Iron(III) Chloride 30% aqueous solution QP

30% w/w $FeCl_3$-50% w/w $FeCl_3.6H_2O$

CAS: 7705-08-0 EINECS: 231-729-4 NC: 2827 39 20 UN: 2582
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:

Xn

R: 22-36/38 S: 13-39

1l~1,306kg 1kg~0,766l

SPECIFICATIONS:
Assay (as $FeCl_3$)(Iodom.) w/w ..... 30 %
Assay (as $FeCl_3.6H_2O$)(Iodom.) w/w ..... 50 %

Order code	Package	Units/Box st.
211359.1211	1000 ml	6
211359.1214	5 l	4
211359.0716	25 l	
211359.0718	60 l	

Iron Dicyclopentadienyl

(see Ferrocene)

Iron(II) Ethylenediammonium Sulphate 4-hydrate PA

$C_2H_{10}N_2O_4S.FeO_4S.4H_2O$

M: 382,15 CAS: 34962-29-3 EINECS: 264-357-6 NC: 2921 29 00

SPECIFICATIONS:
Minimum assay (Perm.) ..... 99,0 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2SO_4 ..... 0,01 %
Phosphate (PO_4) ..... 0,002 %
Cu ..... 0,001 %
K ..... 0,01 %
Mg ..... 0,005 %
Mn ..... 0,02 %
Na ..... 0,01 %
Pb ..... 0,001 %
Zn ..... 0,003 %

Order code	Package	Units/Box st.
123582.1208	100 g	6

Iron(III) Nitrate 9-hydrate PRS

$Fe(NO_3)_3.9H_2O$

M: 404,00 CAS: 7782-61-8 EINECS: 233-899-5 NC: 2834 29 80 UN: 1466
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518
HAZARDOUS:

O Xi

R: 8-36/38 S: 26

SPECIFICATIONS:
Assay (Iodom.) ..... 98 %
Insoluble matter in H_2O ..... 0,05 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,02 %
Ca ..... 0,02 %
Cu ..... 0,005 %
Fe(II) ..... 0,01 %
Mg ..... 0,02 %
Pb ..... 0,005 %
Zn ..... 0,01 %

Order code	Package	Units/Box st.
141297.1210	500 g	6
141297.1211	1000 g	6
141297.1214	5 kg	4
141297.0416	25 kg	

Iron(II) Oxalate 2-hydrate PA

$Fe(COO)_2.2H_2O$

M: 179,90 CAS: 6047-25-2 EINECS: 208-217-4 NC: 2917 11 00 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn

R: 21/22 S: 24/25 CE: 607-007-00-3

SPECIFICATIONS:
Minimum assay (Perm.) a.d.s. ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in HCl ..... 0,05 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,05 %
Cu ..... 0,005 %
Mn ..... 0,05 %
Ni ..... 0,05 %
Pb ..... 0,01 %

Order code	Package	Units/Box st.
121357.1210	500 g	6

Iron(II) Oxalate 2-hydrate PRS

$Fe(COO)_2.2H_2O$

M: 179,90 CAS: 6047-25-2 EINECS: 208-217-4 NC: 2917 11 00 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn

R: 21/22 S: 24/25 CE: 607-007-00-3

SPECIFICATIONS:
Assay (Perm.) ..... 98 %
Insoluble matter in HCl ..... 0,1 %
Chloride (Cl) ..... 0,025 %
Sulphate (SO_4) ..... 0,1 %

Order code	Package	Units/Box st.
141357.1210	500 g	6
141357.0914	5 kg	

Iron(III) Oxide QP

Fe_2O_3

M: 159,69 CAS: 1309-37-1 EINECS: 215-168-2 NC: 2821 10 00

SPECIFICATIONS:
Assay (Iodom.) ..... 96 %
Loss on ignition ..... 0,5 %
Soluble matter in H_2O ..... 1 %
Phosphate (PO_4) ..... 0,3 %
Sulphate (SO_4) ..... 0,5 %
Mn ..... 0,25 %

Order code	Package	Units/Box st.
212375.1210	500 g	6
212375.1211	1000 g	6
212375.0914	5 kg	
212375.0416	25 kg	

Iron Perchloride

(see Iron(III) Chloride)

DERQUIM

Detergentes de laboratorio
Laboratory detergents
Détergents de laboratoire

Iron(III) Phosphate x-hydrate (F.C.C.) ADITIO

$FePO_4.xH_2O$

M: 150,82(anh) CAS: 10045-86-0 EINECS: 233-149-7 NC: 2835 29 90

SPECIFICATIONS:

Assay (as Fe) ....26,0-32,0 %
Arsenic (as As), not more than .... 3 ppm
Fluoride, not more than .... 0,005 %
Lead, not more than .... 4 ppm
Loss on Ignition, not more than.... 32,5 %
Mercury, not more than .... 3 ppm
Specifications F.C.C. 6

Order code	Package	Units/Box st.
202515.0914	5 kg PP	

Iron(II) Sulphate ~1-hydrate QP

$FeSO_4.\sim1H_2O$

M: 151,91(anh) CAS: 17375-41-6 EINECS: 231-753-5 NC: 2833 29 50

HAZARDOUS:

Xn **R: 22-36/38 S: 46**

SPECIFICATIONS:

Minimum assay (as $FeSO_4$) (Perm.) .... 82 %

Order code	Package	Units/Box st.
215295.1214	5 kg P	4

Iron(II) Sulphate ~2-hydrate PA

$FeSO_4\sim2H_2O$

M: 151,91(anh) CAS: 10028-21-4 EINECS: 231-753-5 NC: 2833 29 50

HAZARDOUS:

Xn **R: 22-36/38 S: 46**

SPECIFICATIONS:

Minimum assay (as $FeSO_4$)(Perm.) .... 80,0 %

MAXIMUM LIMIT OF IMPURITIES

Chloride (Cl).... 0,02 %
As .... 0,0003 %
Ca .... 0,005 %
Cu .... 0,005 %
K .... 0,002 %
Mg .... 0,005 %
Mn .... 0,1 %
Na .... 0,02 %
Pb .... 0,002 %
Zn .... 0,005 %

Order code	Package	Units/Box st.
121793.1210	500 g P	6
121793.1211	1000 g P	6
121793.1214	5 kg P	4
121793.0416	25 kg PP	

Iron(II) Sulphate 7-hydrate PA-ACS

$FeSO_4.7H_2O$

M: 278,02 CAS: 7782-63-0 EINECS: 231-753-5 NC: 2833 29 50

HAZARDOUS:

Xn **R: 22-36/38 S: 46**

SPECIFICATIONS:

Minimum assay (Perm.).... 99,0 %
pH of 5% solution 3,0-4,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O.... 0,005 %
Nitrogen compounds (as N) .... 0,001 %
Chloride (Cl).... 0,001 %
Phosphate (PO_4) .... 0,0005 %
As .... 0,00004 %
Fe(III).... 0,1 %

Metals by ICP [mg/Kg (ppm)]

Be	10	Cu	10	Na	20
Bi	10	Hg	10	Ni	50
Ca	50	K	20	Pb	5
Cd	50	Mg	20	Sr	10
Co	20	Mn	300	Ti	10
Cr	80	Mo	10	Zn	20

Order code	Package	Units/Box st.
131362.1210	500 g P	6
131362.1211	1000 g P	6
131362.1214	5 kg P	4
131362.0416	25 kg PP	

Iron(II) Sulphate 7-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$FeSO_4.7H_2O$

M: 278,02 CAS: 7782-63-0 EINECS: 231-753-5 NC: 2833 29 50

HAZARDOUS:

Xn **R: 22-36/38 S: 46**

SPECIFICATIONS:

Assay (Cerim.) 99,5-104,5%
Identity according to Pharmacopoeias .... p/t.
pH of 5% solution 3,0-4,0

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution .... p/t.
Insoluble matter in H_2O.... 0,01 %
Residual solvents (Ph.Eur./USP).... p/t
Chloride (Cl).... 0,03 %
Phosphate (PO_4) .... 0,003 %
Heavy metals (as Pb).... 0,005 %
As .... 0,0003 %
Fe (III).... 0,5 %
Hg .... 0,0003 %
Mg .... 0,025 %
Mn .... 0,1 %
Pb .... 0,001 %
Zn .... 0,05 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141362.1210	500 g P	6
141362.1211	1000 g P	6
141362.1214	5 kg P	4
141362.0416	25 kg PP	

Iron(II) Sulphate 7-hydrate (F.C.C.) ADITIO

$FeSO_4.7H_2O$

M: 278,02 CAS: 7782-63-0 EINECS: 231-753-5 NC: 2833 29 50

HAZARDOUS:

Xn **R: 22-36/38 S: 46**

SPECIFICATIONS:

Assay ($FeSO_4.7H_2O$)....99,5-104,5%
Lead, not more than .... 2 ppm
Mercury, not more than .... 1 ppm
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201362.1214	5 kg P	4
201362.0416	25 kg PP	

Iron(III) Sulphate x-hydrate ~75% PA

$Fe_2(SO_4)_3.xH_2O$

M: 399,87(anh) CAS: 10028-22-5 EINECS: 233-072-9 NC: 2833 29 50

SPECIFICATIONS:

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2SO_4 .... 0,025 %
Chloride (Cl).... 0,01 %
Nitrate (NO_3).... 0,02 %
Cu .... 0,005 %
Fe(II).... 0,1 %
K .... 0,01 %
Na .... 0,05 %

Order code	Package	Units/Box st.
121360.1210	500 g P	6
121360.1211	1000 g P	6
121360.1214	5 kg P	4
121360.0416	25 kg PP	

Iron(III) Sulphate x-hydrate ~75% PRS

$Fe_2(SO_4)_3.xH_2O$

M: 399,87(anh) CAS: 10028-22-5 EINECS: 233-072-9 NC: 2833 29 50

SPECIFICATIONS:

Chloride (Cl).... 0,03 %
Nitrate (NO_3).... 0,05 %
Cu .... 0,01 %
Fe(II).... 0,1 %

Order code	Package	Units/Box st.
141360.1210	500 g P	6
141360.1211	1000 g P	6
141360.1214	5 kg P	4
141360.0416	25 kg PP	

Iron(II) Sulphide cylinders PRS

for producing Hydrogen Sulphide

FeS

M: 87,91 CAS: 1317-37-9 EINECS: 215-268-6 NC: 2830 90 11

SPECIFICATIONS:

Sulphide (as S).... 29 %

Order code	Package	Units/Box st.
141363.1209	250 g P	6
141363.1211	1000 g P	6
141363.1214	5 kg P	6
141363.0416	25 kg	

Iron Sulphide natural powder PRS

FeS_2

M: 119,97 CAS: 12068-85-8 EINECS: 215-268-6 NC: 2830 90 11

SPECIFICATIONS:

Assay (as Fe) ..... 44,5 %

Order code	Package	Units/Box st.
146226.1209	250 g	6
146226.1211	1000 g	6
146226.1214	5 kg	6
146226.0416	25 kg	

Isatin (Reag. Ph. Eur.) PA

mercaptan reagent, tiophens and Copper(I) ions

$C_6H_4NHCOCO$

M: 147,14 CAS: 91-56-5 EINECS: 202-077-8 NC: 2933 79 00

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.
Melting range ..... 201-204°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in CH_3OH ..... 0,05 %
Residue on ignition (as SO_4) ..... 0,1 %

Order code	Package	Units/Box st.
121371.1609	250 g	6

Isatin, 98% PS

$C_6H_4NHCOCO$

M: 147,14 CAS: 91-56-5 EINECS: 202-077-8 NC: 2933 79 00

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.
Melting range ..... 201-204°C

Order code	Package	Units/Box st.
151371.1608	100 g	6
151371.1610	500 g	6

Isoamyl Acetate PA

$CH_3COOC_5H_{11}$

M: 130,19 CAS: 123-92-2 EINECS: 204-662-3 NC: 2915 39 30 UN: 1104

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

R: 10 S: 23c CE: 607-130-00-2

1l~0,871kg 1kg~1,148l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 20/4 0,870-0,873

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter ..... 0,005 %
Di-Isoamyl Ether (G.C.) ..... 0,2 %
3-Methyl-1-Butanol (G.C.) ..... 0,3 %
1-Pentyl Acetate (G.C.) ..... 0,5 %
Acidity (as CH_3COOH) ..... 0,01 %
Water (H_2O) ..... 0,1 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

Order code	Package	Units/Box st.
121372.1611	1000 ml	6

Isoamyl Acetate PRS

$CH_3COOC_5H_{11}$

M: 130,19 CAS: 123-92-2 EINECS: 204-662-3 NC: 2915 39 30 UN: 1104

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

R: 10 S: 23c CE: 607-130-00-2

1l~0,871kg 1kg~1,148l

SPECIFICATIONS:

Assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,870-0,873
Non-volatile matter ..... 0,01 %
3-Methyl-1-Butanol (G.C.) ..... 1 %
Acidity (as CH_3COOH) ..... 0,1 %
Water (H_2O) ..... 0,3 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141372.1611	1000 ml	6
141372.1612	2,5 l	4
141372.1214	5 l	4
141372.0716	25 l	

Isoamyl Acetate, 98% PS

$CH_3COOC_5H_{11}$

M: 130,19 CAS: 123-92-2 EINECS: 204-662-3 NC: 2915 39 30 UN: 1104

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

R: 10 S: 23c CE: 607-130-00-2

1l~0,871kg 1kg~1,148l

SPECIFICATIONS:

Assay (G.C.) ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
151372.1608	100 ml	6
151372.1610	500 ml	6

Isoamyl Alcohol

(see 3-Methyl-1-Butanol)

Isoamyl Nitrite, 95% stabilized with ~0,5% of sodium carbonate anhydrous PS

$NO_2C_5H_{11}$

M: 117,15 CAS: 110-46-3 EINECS: 203-770-8 NC: 2920 90 85 UN: 1113

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn **R: 11-20/22 S: 16-24-46 CE: 007-020-00-9**

1l~0,875kg 1kg~1,143l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 95 %
Identity ..... IR p/t.
Density at 20/4 0,870-0,880

Order code	Package	Units/Box st.
15A816.2210	500 ml	6

1,3-Isobenzofurandione

(see Phthalic Anhydride)

1-Isobenzofuranone

(see Phthalide)

Isobutanol (UV-IR-HPLC) PAI

$(CH_3)_2CHCH_2OH$

M: 74,12 CAS: 78-83-1 EINECS: 201-148-0 NC: 2905 14 90 UN: 1212

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xi **R: 10-37/38-41-67 S: 7/9-13-26-37/39-46 CE: 603-004-00-6**

1l~0,802kg 1kg~1,247l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Density at 20/4 0,801-0,802

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Acidity ..... 0,0005 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,1 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	208 (Cut off)	210	230	250	270-400
A (AU)	1,000	0,824	0,187	0,027	0,009
T (%)	10	15	65	94	98

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 3,9
Eluotropic value ε°(Al_2O_3) 0,7
P' + 0,25 E 8,3
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361089.1611	1000 ml	6

Isobutanol (Reag. Ph. Eur.) PA-ACS

$(CH_3)_2CHCH_2OH$

M: 74,12 CAS: 78-83-1 EINECS: 201-148-0 NC: 2905 14 90 UN: 1212
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xi **R: 10-37/38-41-67 S: 7/9-13-26-37/39-46 CE: 603-004-00-6**

SPECIFICATIONS:
1l~0,802kg 1kg~1,247l
SPECIFICATIONS:

Minimum assay (G.C.)	99,0 %
Identity	IR p/t.
Density at 20/4	0,801-0,802
Refractive index n ^{15}/D	1,397-1,399
Distillation range (>96% dist.)	107-109°C

MAXIMUM LIMIT OF IMPURITIES

APHA colour	10
Insoluble matter in H_2O	p/t.
Non-volatile matter	0,001 %
Butanal (G.C.)	0,01 %
Isobutanal (G.C.)	0,05 %
Butanone (G.C.)	0,02 %
Darkened substances by H_2SO_4	p/t.
Acidity	0,0005 meq/g
Alkalinity	0,0005 meq/g
Peroxides (as H_2O_2)	0,001 %
Water (H_2O)	0,1 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,5
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131089.1611	1000 ml	6
131089.1612	2,5 l	4
131089.1214	5 l	4
131089.0716	25 l	

Isobutanol PRS

$(CH_3)_2CHCH_2OH$

M: 74,12 CAS: 78-83-1 EINECS: 201-148-0 NC: 2905 14 90 UN: 1212
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xi **R: 10-37/38-41-67 S: 7/9-13-26-37/39-46 CE: 603-004-00-6**

1l~0,802kg 1kg~1,247l
SPECIFICATIONS:

Assay (G.C.)	99 %
Identity	IR p/t.
Density at 20/4	0,801-0,802
Non-volatile matter	0,01 %
Isobutanal (G.C.)	0,05 %
Acidity	0,002 meq/g
Water (H_2O)	0,5 %
Cu	0,00002 %
Fe	0,00005 %
Ni	0,00002 %
Pb	0,00002 %

Order code	Package	Units/Box st.
141089.1211	1000 ml	6
141089.1212	2,5 l	4
141089.1214	5 l	4
141089.0716	25 l	
141089.0718	60 l	

Isobutanol (F.C.C.) ADITIO

$(CH_3)_2CHCH_2OH$

M: 74,12 CAS: 78-83-1 EINECS: 201-148-0 NC: 2905 14 90 UN: 1212
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xi **R: 10-37/38-41-67 S: 7/9-13-26-37/39-46 CE: 603-004-00-6**

1l~0,802kg 1kg~1,247l
SPECIFICATIONS:

Assay (G.C.), not less than	98,0 %
IR	p/t.
Specific gravity	0,799-0,801
Acidity value, not more than	2,0
Refractive index	1,392-1,397

Specifications F.C.C. 6

Order code	Package	Units/Box st.
201089.1214	5 l	4

Isobutanol, 99% PS

$(CH_3)_2CHCH_2OH$

M: 74,12 CAS: 78-83-1 EINECS: 201-148-0 NC: 2905 14 90 UN: 1212
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xi **R: 10-37/38-41-67 S: 7/9-13-26-37/39-46 CE: 603-004-00-6**

1l~0,802kg 1kg~1,247l
SPECIFICATIONS:

Minimum assay (G.C.)	99 %
Identity	IR p/t.
Density at 20/4	0,801-0,802
Non-volatile matter	0,001 %
Water (H_2O)	0,1 %

Order code	Package	Units/Box st.
161089.1211	1000 ml	6
161089.1212	2,5 l	4
161089.1714	5 l	4
161089.0616	25 l	

Isobutyl Acetate (Reag. USP) PA

$CH_3COOC_4H_9$

M: 116,16 CAS: 110-19-0 EINECS: 203-745-1 NC: 2915 39 80 UN: 1213
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F **R: 11-66 S: 16-23c-25-29-33 CE: 607-026-00-7**

1l~0,873kg 1kg~1,145l
SPECIFICATIONS:

Minimum assay (G.C.)	99,0 %
Identity	IR p/t.
Density at 20/20	0,863-0,868
Refractive index n ^{20}/D	1,3900-1,3920

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter	0,001 %
Isobutanol (G.C.)	0,3 %
Butanal (G.C.)	0,03 %
Isobutanal (G.C.)	0,05 %
n-Butyl Acetate (G.C.)	0,3 %
Acidity (as CH_3COOH)	0,005 %
Carbonyl compounds (as C_3H_7CHO)	0,1 %
Water (H_2O)	0,1 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
121373.1611	1000 ml	6
121373.1214	5 l	4

Isobutyl Acetate, 99% PS

$CH_3COOC_4H_9$

M: 116,16 CAS: 110-19-0 EINECS: 203-745-1 NC: 2915 39 80 UN: 1213
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F **R: 11-66 S: 16-23c-25-29-33 CE: 607-026-00-7**

1l~0,873kg 1kg~1,145l
SPECIFICATIONS:

Minimum assay (G.C.)	99 %
Identity	IR p/t.
Density at 20/4	0,870-0,875
Water (H_2O)	0,1 %

Order code	Package	Units/Box st.
161373.1611	1000 ml	6
161373.1214	5 l	4

Isobutyl Alcohol

(see Isobutanol)

Isobutyl Bromide

(see 1-Bromo-2-Methylpropane)

Isobutylmethylketone

(see 4-Methyl-2-Pentanone)

Isobutyl Nitrite, 95% stabilized with ~0,5% of sodium carbonate anhydrous PS

$C_4H_9NO_2$

M: 103,12 CAS: 542-56-3 EINECS: 208-819-7 NC: 2920 90 85 UN: 2351
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F T **R: 11-E20/22-45-E68 S: 53-45 CE: 007-017-00-2**

1l~0,869kg 1kg~1,151l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 95 %
Identity ..... IR p/t.
Density at 20/4 0,867-0,871

Order code	Package	Units/Box st.
15A817.1608	100 ml	6
15A817.0816	25 l	

Isodulcit

(see L(+)-Rhamnose 1-hydrate)

Isohexane (UV-IR-HPLC) PAI

C_6H_{14}

M: 86,18 CAS: 64742-49-0 EINECS: 265-151-9 NC: 2901 10 00 UN: 1208
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn **R: 11-65 S: 9-16-23c-24-33-43h-62**

1l~0,651kg 1kg~1,535l

SPECIFICATIONS:
Minimum assay (G.C.) (as isomers) ..... 98 %
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0003 %
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,005 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell. Ref.: water)

λ (nm)	195 (Cut off)	210	220	245-400
A (AU)	1,000	0,222	0,097	0,009
T (%)	10	60	80	98

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 0,1
Eluotropic value ε°(Al_2O_3) 0,01
Sol. H_2O in solv. at 20°C 0,01
P' + 0,25 E 0,5
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
365261.1611	1000 ml	6

Isohexane PA

C_6H_{14}

M: 86,18 CAS: 64742-49-0 EINECS: 265-151-9 NC: 2901 10 00 UN: 1208
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn **R: 11-65 S: 9-16-23c-24-33-43h-62**

1l~0,651kg 1kg~1,535l

SPECIFICATIONS:
Minimum assay (G.C.) (as isomers) ..... 95,0 %
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,001 %
n-Hexane ..... 20 %
Darkened substances by H_2SO_4 ..... p/t.
Sulphur compounds (as S) ..... 0,005 %
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,01 %
Thiophene ..... p/t.
Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pt	0,1
Al	0,5	Ge	0,05	S	0,2
As	0,5	Hg	0,05	Sb	0,02
Au	0,1	In	0,05	Si	0,2
B	0,02	K	0,1	Sn	0,1
Ba	0,1	Li	0,05	Sr	0,2
Be	0,02	Mg	0,1	Ti	0,02
Bi	0,05	Mn	0,02	Tl	0,02
Ca	0,5	Mo	0,02	V	0,02
Cd	0,05	Na	0,5	Zn	0,1
Co	0,02	Ni	0,02	Zr	0,02
Cr	0,02	P	0,2		
Cu	0,02	Pb	0,1		

Order code	Package	Units/Box st.
125261.1611	1000 ml	6
125261.1612	2,5 l	4

Isohexane, 95% PS

C_6H_{14}

M: 86,18 CAS: 64742-49-0 EINECS: 265-151-9 NC: 2901 10 00 UN: 1208
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn **R: 11-65 S: 9-16-23c-24-33-43h-62**

1l~0,651kg 1kg~1,535l

SPECIFICATIONS:
Minimum assay (G.C.) (as isomers) ..... 95 %
Identity ..... IR p/t.
Non-volatile matter ..... 0,001 %
Water (H_2O) ..... 0,01 %

Order code	Package	Units/Box st.
165261.1611	1000 ml	6
165261.1612	2,5 l	4

L-Isoleucine PB

$C_6H_{13}NO_2$

M: 131,17 CAS: 73-32-5 EINECS: 200-798-2 NC: 2922 42 00
SPECIFICATIONS:
Minimum assay (Perchl. Ac.) ..... 99,0 %
Identity ..... IR p/t.
T.L.C. ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=4 (in HCl 6 mol/l) ..... +39,0 to +41,8°
pH of 1% solution 5,5-7,0
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in HCl 1 mol/l ..... 0,05 %
Loss on drying at 105°C ..... 0,2 %
Residue on ignition (as SO_4) ..... 0,05 %
ABS at λ260 nm. sol. 1 mol/l in HCl 2 mol/l 0,07
ABS at λ280 nm. sol. 1 mol/l in HCl 2 mol/l 0,05
Chloride (Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,03 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00015 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
372880.1206	25 g	6

L-Isoleucine (USP, BP, Ph. Eur.) PRS-CODEX

$C_6H_{13}NO_2$

M: 131,17 CAS: 73-32-5 EINECS: 200-798-2 NC: 2922 42 00
SPECIFICATIONS:
Assay (Perchl. Ac.) calc. a.d.s. ..... 98,5-101,0 %
Identity according to Pharmacopoeias ..... p/t.
Specific rotation $[\alpha]^{25}$/D c=4 (in HCl) ..... +38,9 to +41,8°
Specific rotation $[\alpha]^{20}$/D c=4 (in HCl) calc. a.d.s. ..... +40,0 to +43,0°
pH of 1% solution 5,5-7,0
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Loss on drying at 105°C ..... 0,3 %
Residue on ignition (as SO_4) ..... 0,1 %
Organic volatile impurities ..... p/t.
Chloride (Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,03 %
Ammonium (NH_4) ..... 0,02 %
Heavy metals (as Pb) ..... 0,001 %
Fe ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142880.1208	100 g	6
142880.1211	1000 g	6

L-Isoleucine (F.C.C.) ADITIO

$C_6H_{13}NO_2$

M: 131,17 CAS: 73-32-5 EINECS: 200-798-2 NC: 2922 42 00
SPECIFICATIONS:
Assay (as $C_6H_{13}NO_2$) calc. a.d.s ..... 98,5-101,5 %
Lead, not more than ..... 5 ppm
Loss on drying, not more than ..... 0,3 %
Residue on ignition, not more than ..... 0,2 %
Specific rotation $[\alpha]^{20}$/D calc. a.d.s ..... +38,6 to +41,5°
Specifications F.C.C. 6

Order code	Package	Units/Box st.
202880.1208	100 g	6
202880.1211	1 kg	6

L-Isoleucine, 99% PS

$C_6H_{13}NO_2$

M: 131,17 CAS: 73-32-5 EINECS: 200-798-2 NC: 2922 42 00

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
152880.1606	25 g	6
152880.1608	100 g	6

Isooctane (UV-IR-HPLC) PAI-ACS

C_8H_{18}

M: 114,23 CAS: 540-84-1 EINECS: 208-759-1 NC: 2901 10 00 UN: 1262

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn N **R: 11-38-65-67-50/53 S: 9-16-29-33-60-61-62**

CE: 601-009-00-8

1l~0,69kg 1kg~1,44l

SPECIFICATIONS:

Minimum assay (G.C.) 99,5%

Density at 25/4 ..... ≤0,690

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10

Non-volatile matter ..... 0,0003 %

Acidity ..... 0,0002 meq/g

Alkalinity ..... 0,0002 meq/g

Water (H_2O) ..... 0,005 %

Sulphur compounds (as S) ..... 0,005 %

Suitability for IR spectrometry ..... p/t.

UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	205 (Cut off)	210	220	235	245-400
A (AU)	1,000	0,301	0,097	0,046	0,009
T (%)	10	50	80	90	98

Fluorescence (as quinine):

λ (nm)	254	365
ppb	1	1

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.

Data of interest in HPLC:

Rohrschneider Polarity 0,1

Eluotropic value E°(Al_2O_3) 0,01

Sol. H_2O in solv. at 20°C 0,011

P' + 0,25 E 0,1

For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
362064.1611	1000 ml	6
362064.1612	2,5 l	4

Isooctane (PAR) PAI

C_8H_{18}

M: 114,23 CAS: 540-84-1 EINECS: 208-759-1 NC: 2901 10 00 UN: 1262

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn N **R: 11-38-65-67-50/53 S: 9-16-29-33-60-61-62**

CE: 601-009-00-8

1l~0,69kg 1kg~1,44l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %

Identity ..... IR p/t.

Density at 25/4 ..... ≤0,690

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10

Non-volatile matter ..... 0,0005 %

Acidity ..... 0,0003 meq/g

Water (H_2O) ..... 0,01 %

Signal ECD of pesticide (Lindane to DDT) (as Lindane) ..... 5 ng/l

Signal PND of pesticide (Ethylparathion to Coumaphos) (as Ethylparathion) ..... 5 ng/l

Signal FID of 2-Octanol to Tetradecanol (as 2-Octanol) ..... p/t.

Order code	Package	Units/Box st.
322064.1611	1000 ml	6
322064.1612	2,5 l	4

Isooctane dry (max. 0,005% water) DS-ACS

C_8H_{18}

M: 114,23 CAS: 540-84-1 EINECS: 208-759-1 NC: 2901 10 00 UN: 1262

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn N **R: 11-38-65-67-50/53 S: 9-16-29-33-60-61-62**

CE: 601-009-00-8

1l~0,69kg 1kg~1,44l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,0 %

Identity ..... IR p/t.

Density at 25/4 ..... ≤0,690

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10

Non-volatile matter ..... 0,001 %

Sulphur compounds (as S) ..... 0,005 %

Acidity ..... 0,0003 meq/g

Water (H_2O) ..... 0,005 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	Sb	0,02
Au	0,05	Hg	0,05	Si	0,2
B	0,02	In	0,05	Sn	0,1
Ba	0,1	K	0,1	Sr	0,2
Be	0,02	Li	0,05	Ti	0,02
Bi	0,05	Mg	0,1	Tl	0,02
Ca	0,5	Mn	0,02	V	0,02
Cd	0,05	Mo	0,02	Zn	0,1
Co	0,02	Na	0,5	Zr	0,02
Cr	0,02	Ni	0,02		
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
482064.1611	1000 ml	6

Isooctane (Reag. Ph. Eur.) PA-ACS

C_8H_{18}

M: 114,23 CAS: 540-84-1 EINECS: 208-759-1 NC: 2901 10 00 UN: 1262

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn N **R: 11-38-65-67-50/53 S: 9-16-29-33-60-61-62**

CE: 601-009-00-8

1l~0,69kg 1kg~1,44l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,0 %

Identity ..... IR p/t.

Density at 20/20 0,691-0,696

Refractive index n 20/D 1,391-1,393

Distillation range (>95% dist.) ..... 98-100°C

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10

Non-volatile matter ..... 0,001 %

Sulphur compounds (as S) ..... 0,005 %

Acidity ..... 0,0003 meq/g

Water (H_2O) ..... 0,01 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	Sb	0,02
Au	0,05	Hg	0,05	Si	0,2
B	0,02	In	0,05	Sn	0,1
Ba	0,1	K	0,1	Sr	0,2
Be	0,02	Li	0,05	Ti	0,02
Bi	0,05	Mg	0,1	Tl	0,02
Ca	0,5	Mn	0,02	V	0,02
Cd	0,05	Mo	0,02	Zn	0,1
Co	0,02	Na	0,5	Zr	0,02
Cr	0,02	Ni	0,02		
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
132064.1611	1000 ml	6
132064.1612	2,5 l	4
132064.0314	5 l	4
132064.0316	25 l	

RE

Reactivos y soluciones para aplicaciones analíticas específicas
Reagents and solutions for specific analytical techniques
Réactifs et solutions pour des applications analytiques spécifiques

Isooctane PRS

C_8H_{18}

M: 114,23 CAS: 540-84-1 EINECS: 208-759-1 NC: 2901 10 00 UN: 1262
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn N
R: 11-38-65-67-50/53 S: 9-16-29-33-60-61-62
CE: 601-009-00-8
1l~0,69kg 1kg~1,44l
SPECIFICATIONS:

Assay (G.C.)	99 %
Identity	IR p/t.
Density at 25/4	≤0,690
Non-volatile matter	0,005 %
Acidity	0,001 meq/g
Water (H_2O)	0,05 %
Cu	0,00002 %
Fe	0,00005 %
Ni	0,00002 %
Pb	0,00002 %

Order code	Package	Units/Box st.
142064.1611	1000 ml	6
142064.1612	2,5 l	4
142064.0314	5 l	4
142064.0616	25 l	

Isooctane, 99% PS

C_8H_{18}

M: 114,23 CAS: 540-84-1 EINECS: 208-759-1 NC: 2901 10 00 UN: 1262
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn N
R: 11-38-65-67-50/53 S: 9-16-29-33-60-61-62
CE: 601-009-00-8
1l~0,69kg 1kg~1,44l
SPECIFICATIONS:

Minimum assay (G.C.)	99 %
Identity	IR p/t.
Density at 25/4	≤0,690
Non-volatile matter	0,001 %
Water (H_2O)	0,02 %

Order code	Package	Units/Box st.
162064.1611	1000 ml	6
162064.0314	5 l	4

Isooctane (ASTM) RE

C_8H_{18}

M: 114,23 CAS: 540-84-1 EINECS: 208-759-1 NC: 2901 10 00 UN: 1262
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn N
R: 11-38-65-67-50/53 S: 9-16-29-33-60-61-62
CE: 601-009-00-8
1l~0,69kg 1kg~1,44l
SPECIFICATIONS:

Minimum assay (G.C.)	99,75 %
n-Heptane	0,10 %
Pb	0,002 g/USgal

Order code	Package	Units/Box st.
172064.1611	1000 ml	6
172064.0314	5 l	4

Isooctyl Alcohol

(see 2-Ethyl-1-Hexanol)

VINIKIT
Análisis de vinos
Wine analysis
Analyse des vins

Isoparaffin G PA

CAS: 90622-57-4 EINECS: 292-459-0 NC: 2710 19 85 UN: 3295
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
F Xn
R: 10-65 S: 23c-24-43h-62
1l~0,751kg 1kg~1,331l
SPECIFICATIONS:

Identity	IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter	0,005 %
Sulphur compounds (as S)	0,001 %
Aromatic compounds (UV) (as C_6H_6)	0,05 %
Water (H_2O)	0,05 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,1	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Microfiltered product (0,2 µm)

Order code	Package	Units/Box st.
125273.1611	1000 ml	6
125273.1612	2,5 l	4

Isoparaffin H (Substitute of Xylene) DC

CAS: 90622-57-4 EINECS: 292-459-0 NC: 2712 20 90 UN: 3295
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
Xn
R: 65 S: 23c-24-62
1l~0,765kg 1kg~1,307l
SPECIFICATIONS:

Identity	IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Non-Volatile matter	0,005 %
Sulphur compounds (as S)	0,001 %
Aromatic compounds (UV)(as C_6H_6)	0,05 %
Water (H_2O)	0,05 %

Order code	Package	Units/Box st.
255069.2711	1000 ml	6
255069.2714	5 l	4

Isopentane (UV-IR-HPLC) PAI

C_5H_{12}

M: 72,15 CAS: 78-78-4 EINECS: 201-142-8 NC: 2901 10 00 UN: 1265
IMDG: 3/I ADR: 3/I IATA: 3/I PAX: 302 CAO: 303
HAZARDOUS:
F+ Xn N
R: 12-65-66-67-51/53 S: 9-16-29-33-61-62
CE: 601-006-00-1
1l~0,620kg 1kg~1,613l
SPECIFICATIONS:

Minimum assay (G.C.)	99,5 %
Density at 20/4	0,618-0,622

MAXIMUM LIMIT OF IMPURITIES

APHA colour	10
Non volatile matter	0,0003 %
Acidity	0,0005 meq/g
Alkalinity	0,0002 meq/g
Water (H_2O)	0,005 %
Suitability for IR spectrometry	p/t.

UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	190 (Cut off)	200	210	215	240-400
A (AU)	1,000	0,301	0,097	0,046	0,009
T (%)	10	50	80	90	98

Fluorescence (as quinine):

λ (nm)	254	365
ppb	2	2

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:

Rohrschneider Polarity	0,0
Eluotropic value E°(Al_2O_3)	0,00
Sol. H_2O in solv. at 20°C	0,01
P' + 0,25 E	0,5

For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
363501.1611	1000 ml	6

Isopentane PA

C_5H_{12}

M: 72,15 CAS: 78-78-4 EINECS: 201-142-8 NC: 2901 10 00 UN: 1265
IMDG: 3/I ADR: 3/I IATA: 3/I PAX: 302 CAO: 303
HAZARDOUS:

F+ Xn N **R: 12-65-66-67-51/53 S: 9-16-29-33-61-62**
CE: 601-006-00-1
1l~0,620kg 1kg~1,613l
SPECIFICATIONS:

Minimum assay (G.C.)	99,0 %
Identity	IR p/t.
Density at 20/4	0,618-0,622

MAXIMUM LIMIT OF IMPURITIES

APHA colour	10
Non-volatile matter	0,001 %
n-Pentane (G.C.)	0,5 %
Darkened substances by H_2SO_4	p/t.
Sulphur compounds (as S)	0,002 %
Acidity	0,0005 meq/g
Water (H_2O)	0,01 %
Thiophene	p/t.

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Mg	0,1	Pt	0,02
As	0,05	Ga	0,02	Sb	0,02
Au	0,05	Ge	0,05	Si	0,2
B	0,02	Hg	0,05	Sn	0,1
Ba	0,1	In	0,05	Sr	0,2
Be	0,02	K	0,1	Ti	0,02
Bi	0,05	Li	0,05	Tl	0,02
Ca	0,5	Mn	0,02	V	0,02
Cd	0,05	Mo	0,02	Zn	0,1
Co	0,02	Na	0,5	Zr	0,02
Cr	0,02	Ni	0,02		
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
123501.1611	1000 ml	6

Isopentane PRS

C_5H_{12}

M: 72,15 CAS: 78-78-4 EINECS: 201-142-8 NC: 2901 10 00 UN: 1265
IMDG: 3/I ADR: 3/I IATA: 3/I PAX: 302 CAO: 303
HAZARDOUS:

F+ Xn N **R: 12-65-66-67-51/53 S: 9-16-29-33-61-62**
CE: 601-006-00-1
1l~0,620kg 1kg~1,613l
SPECIFICATIONS:

Assay (G.C.)	98 %
Identity	IR p/t.
Density at 20/4	0,618-0,622
Non-volatile matter	0,005 %
n-Pentane (G.C.)	1 %
Sulphur compounds (as S)	0,005 %
Acidity	0,001 meq/g
Water (H_2O)	0,02 %
Cu	0,00002 %
Fe	0,00005 %
Ni	0,00002 %
Pb	0,00002 %

Order code	Package	Units/Box st.
143501.1611	1000 ml	6

Isopentyl Acetate

(see Isoamyl Acetate)

Isopentyl Alcohol

(see 3-Methyl-1-Butanol)

Isopentyl Nitrite

(see Isoamyl Nitrite)

Isopropanol

(see 2-Propanol)

(R)-4-Isopropenyl-1-Methyl Cyclohexene

(see D(+)-Limonene)

Isopropyl Acetate PA

$CH_3COOC_3H_7$

M: 102,13 CAS: 108-21-4 EINECS: 203-561-1 NC: 2915 39 10 UN: 1220
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 16-26-29-33 CE: 607-024-00-6**
1l~0,871kg 1kg~1,148l
SPECIFICATIONS:

Minimum assay (G.C.)	99,0 %
Identity	IR p/t.
Density at 20/4	0,869-0,873

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter	0,002 %
2-Propanol (G.C.)	0,05 %
1-Propyl Acetate (G.C.)	0,1 %
Acidity (as CH_3COOH)	0,01 %
Water (H_2O)	0,05 %
Ca	0,00005 %
Cd	0,000005 %
Co	0,000002 %
Cr	0,000002 %
Cu	0,000002 %
Fe	0,00001 %
Mg	0,00001 %
Mn	0,000002 %
Ni	0,000002 %
Pb	0,00001 %
Zn	0,00001 %

Order code	Package	Units/Box st.
121374.1611	1000 ml	6

Isopropyl Acetate PRS

$CH_3COOC_3H_7$

M: 102,13 CAS: 108-21-4 EINECS: 203-561-1 NC: 2915 39 10 UN: 1220
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 16-26-29-33 CE: 607-024-00-6**
1l~0,871kg 1kg~1,148l
SPECIFICATIONS:

Assay (G.C.)	98 %
Identity	IR p/t.
Density at 20/4	0,869-0,873
Non-volatile matter	0,01 %
2-Propanol (G.C.)	0,1 %
1-Propyl Acetate (G.C.)	0,2 %
Acidity (as CH_3COOH)	0,03 %
Water (H_2O)	0,3 %
Cu	0,00002 %
Fe	0,00005 %
Ni	0,00002 %
Pb	0,00002 %

Order code	Package	Units/Box st.
141374.1611	1000 ml	6
141374.1612	2,5 l	4
141374.1214	5 l	4
141374.0716	25 l	

Isopropyl Acetate, 99% PS

$CH_3COOC_3H_7$

M: 102,13 CAS: 108-21-4 EINECS: 203-561-1 NC: 2915 39 10 UN: 1220
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 16-26-29-33 CE: 607-024-00-6**
1l~0,871kg 1kg~1,148l
SPECIFICATIONS:

Minimum assay (G.C.)	99 %
Identity	IR p/t.
Density at 20/4	0,869-0,873
Non-volatile matter	0,002 %
Acidity (as CH_3COOH)	0,01 %
Water (H_2O)	0,1 %

Order code	Package	Units/Box st.
161374.1211	1000 ml	6
161374.1212	2,5 l	4
161374.1714	5 l	4
161374.0616	25 l	

Isopropyl Alcohol

(see 2-Propanol)

Isopropyl Bromide

(see 2-Bromopropane)

Isopropyl Ether

(see Di-Isopropyl Ether)

Isopropyl Hexadecanoate
(see Isopropyl Palmitate)

1-Isopropyl-4-Methyl-1,4-Cyclohexadiene
(see γ-Terpinene)

(1R,2S,5R)-(-)-2-Isopropyl-5-Methylcyclohexanol
(see L(-)-Menthol)

2-Isopropyl-5-Methylphenol
(see Thymol)

5-Isopropyl-2-Methylphenol, 97% PS
$C_{10}H_{14}O$
M: 150,22 CAS: 499-75-2 EINECS: 207-889-6 NC: 2907 19 90 UN: 2810
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:
Xn
R: 20/21/22
1l~0,976kg 1kg~1,025l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 97 %
Identity ..... IR p/t.
Density at 20/4 0,973-0,979

Order code	Package	Units/Box st.
15A654.1607	50 ml	6
15A654.1609	250 ml	6

Isopropyl Myristate, 98% PS
$C_{17}H_{34}O_2$
M: 270,46 CAS: 110-27-0 EINECS: 203-751-4 NC: 2915 90 80
1l~0,853kg 1kg~1,172l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Density at 20/4 0,852-0,854

Order code	Package	Units/Box st.
163712.1610	500 ml	6
163712.1611	1000 ml	6

Isopropyl Palmitate, 90% PS
$C_{19}H_{38}O_2$
M: 298,51 CAS: 142-91-6 EINECS: 205-571-1 NC: 2915 70 20
HAZARDOUS:
Xi
R: 36/38 S: 26-36
1l~0,852kg 1kg~1,174l
SPECIFICATIONS:
Minimum assay ..... 90 %

Order code	Package	Units/Box st.
15A511.1609	250 ml	6
15A511.1611	1000 ml	6
15A511.1612	2,5 l	4

Isothymol
(see 5-Isopropyl-2-Methylphenol)

Kalignost ®-registered trade-mark of Heyl co. Berlin's
(see Sodium tetra-Phenylborate)

Kaolin
(see Aluminium Silicate)

Karl Fischer's Reagent
(see AQUAMETRIC)

Karl Fischer's Reagent Composite RV
for water determination. 1 ml corresponds to min. 0,005 g of H_2O
NC: 3822 00 00 UN: 2929
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:
T N
R: 60-61-10-E20/21/22-51 S: 53-36/37-45-61
1l~1,130kg 1kg~0,885l
SPECIFICATIONS:
1 ml of Reagent corresponds to minimum 5 mg of water

Order code	Package	Units/Box st.
281574.1611	1000 ml	6
281574.1612	2,5 l	4

Karl Fischer's Reagent Solution A RV
(Methanol-Pyridine-Sulphur(IV) Oxyde) for water determination
NC: 3822 00 00 UN: 1992
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F T
R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45
1l~0,941kg 1kg~1,063l
SPECIFICATIONS:
0,5 ml of Solution A mixed with 0,5 ml of Solution B correspond to 0,003 g of H_2O

Order code	Package	Units/Box st.
282420.1611	1000 ml	6
282420.1612	2,5 l	4

Karl Fischer's Reagent Solution B RV
(Methanol-Iodine) for water determination
NC: 3822 00 00 UN: 1992
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F T
R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45
1l~0,908kg 1kg~1,101l
SPECIFICATIONS:
0,5 ml of Solution A mixed with 0,5 ml of Solution B correspond to minimum 0,003 g of H_2O

Order code	Package	Units/Box st.
282421.1611	1000 ml	6
282421.1612	2,5 l	4

Kerosene
(see Petroleum Ether 190-250°C)

α-Ketoglutaric Acid
(see 2-Oxoglutaric Acid)

Kieselgur
(see Siliceous Earth purified and calcined)

Kit for Fast Staining in Haematology (Fast Panoptic) DC
NC: 3822 00 00 UN: 1992
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F T
R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45
Comprised of:
253998 Blue for fast staining (Panoptic No. 3) ..... (1x500 ml)
253999 Eosin for fast staining (Panoptic No. 2) ..... (1x500 ml)
254101 Fixing for fast staining (Panoptic No. 1) ..... (1x500 ml)

Order code	Package	Units/Box st.
254807.0922	pack	6

Kit for HPLC Linearity Verification RS
for verification of the absorbance linearity in UV-VIS detectors
NC: 3822 00 00 UN: 1192
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
F T
R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45
Comprised of:
2 x 1 ml of Blank (Methanol)
3 x 1 ml of Propylparaben 5,0 mg/l in methanol
3 x 1 ml of Propylparaben 10,0 mg/l in methanol
3 x 1 ml of Propylparaben 15,0 mg/l in methanol
3 x 1 ml of Propylparaben 20,0 mg/l in methanol
3 x 1 ml of Propylparaben 25,0 mg/l in methanol
3 x 1 ml of Propylparaben 30,0 mg/l in methanol

Order code	Package	Units/Box st.
395138.0922	pack	6

Kit for Staining Gram-Hucker DC
NC: 3822 00 00 UN: 3316
IMDG: 9/III ADR: 9/III IATA: 9/- PAX: 915 CAO: 915
HAZARDOUS:
F Xi
R: 11-36-66-67-52 S: 9-16-26
Comprised of:
251803 Alcohol-Acetone 7:3 (2x250 ml)
251774 Lugol's Liquor (1x250 ml)
252531 Safranine O solution according to Gram-Hucker (1x250 ml)
252532 Crystal Violet Oxalate solution according to Gram-Hucker (1x250 ml)

Order code	Package	Units/Box st.
254884.0922	pack	6

KJELDAHL CATALYSTS

Kjeldahl Catalyst (Cu) (0,3% in $CuSO_4.5H_2O$) tablets RE

(Potassium Sulphate + Copper(II) Sulphate)
NC: 3822 00 00
HAZARDOUS:
R: 52
Composition:
Potassium Sulphate ..... 99,7 %
Copper(II) Sulphate 5-hydrate ..... 0,3 %

Order code	Package	Units/Box st.	
173350.1213	3,5 kg	4	(3)
173350.1214	5 kg	4	(6)

Kjeldahl Catalyst (Cu) (6,25% in $CuSO_4.5H_2O$) tablets RE

according to Directive 93/28/EEC (Potassium Sulphate + Copper(II) Sulphate)
NC: 3822 00 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911
HAZARDOUS:
N
R: 51 S: 61
Composition:
Potassium Sulphate ..... 93,75 %
Copper(II) Sulphate 5-hydrate ..... 6,25 %

Order code	Package	Units/Box st.	
174428.1246	4 kg	4	(5)

Kjeldahl Catalyst (Cu) (9% in $CuSO_4.5H_2O$) tablets RE

(Potassium Sulphate + Copper(II) Sulphate).For N determination
NC: 3822 00 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911
HAZARDOUS:
N
R: 51/53 S: 61
Composition:
Potassium Sulphate ..... 91 %
Copper(II) Sulphate 5-hydrate ..... 9 %

Order code	Package	Units/Box st.	
175639.12111	1650 g	6	(2)
175639.1214	5 kg	4	(6)

Kjeldahl Catalyst (Cu-Se) powder RE

(Potassium Sulphate + Copper(II) Sulphate + Selenium). For N determination according to Wieninger
NC: 3822 00 00 UN: 3288
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:
T
R: 33-52 S: 53-45
Composition:
Potassium Sulphate ..... 96,5 %
Copper(II) Sulphate 5-hydrate ..... 1,5 %
Selenium ..... 2 %

Order code	Package	Units/Box st.
172429.1211	1000 g	6
172429.1214	5 kg	4

Kjeldahl Catalyst (Cu-Se) (1,5% $CuSO_4.5H_2O$ + 2% Se) tablets RE

(Potassium Sulphate + Copper(II) Sulphate + Selenium). For N determination according to Wieninger
NC: 3822 00 00 UN: 3288
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:
T
R: 33-52 S: 53-45
Composition:
Potassium Sulphate ..... 96,5 %
Copper(II) Sulphate 5-hydrate ..... 1,5 %
Selenium ..... 2 %

Order code	Package	Units/Box st.	
172926.1211	1000 g	6	(1)
172926.1213	3,5 kg	4	(3)
172926.1214	5 kg	4	(6)

(1) 1000 tablets of 1,0 g
(2) 1000 tablets of 1,65 g
(3) 1000 tablets of 3,5 g
(4) 1000 tablets of 3,71 g
(5) 1000 tablets of 4 g
(6) 1000 tablets of 5,0 g

Kjeldahl Catalyst (Cu-Se) (9% $CuSO_4.5H_2O$ + 0,9% Se) tablets RE

(Potassium Sulphate + Selenium metal + Copper(II) Sulphate 5-hydrate). For soil analysis
NC: 3822 00 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911
HAZARDOUS:
N
R: 51/53 S: 61
Composition:
Copper(II) Sulphate 5-hydrate ..... 9 %
Potassium Sulphate ..... 90 %
Selenium metal ..... 0,9 %

Order code	Package	Units/Box st.	
175570.1246	4 kg	4	(5)

Kjeldahl Catalyst (Cu-TiO_2) tablets RE

(Potassium Sulphate + Sodium Sulphate + Copper(II) Sulphate 5-hydrate + Titanium(IV) Oxide)
NC: 3822 00 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911
HAZARDOUS:
N
R: 51 S: 61
Composition:
Sodium Sulphate ..... 47,17 %
Potassium Sulphate ..... 47,17 %
Copper(II) Sulphate 5-hydrate ..... 2,83 %
Titanium(IV) Oxide ..... 2,83 %

Order code	Package	Units/Box st.	
173349.1296	3,71 kg	4	(4)

Kjeldahl Catalyst (Hg) tablets RE

(Potassium Sulphate + Mercury(II) Oxide yellow)
NC: 3822 00 00 UN: 3288
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:
T+ N
R: 26/27/28-33-51 S: 13-28a-45-61
Composition:
Potassium Sulphate ..... 95,24 %
Mercury(II) Oxide, yellow ..... 4,76 %

Order code	Package	Units/Box st.	
173347.1213	3,5 kg	4	(3)
173347.1214	5 kg	4	(6)

Kjeldahl Catalyst (Se) tablets RE

(Potassium Sulphate + Selenium)
NC: 3822 00 00
Composition:
Potassium Sulphate ..... 99,9 %
Selenium ..... 0,1 %

Order code	Package	Units/Box st.	
173348.1213	3,5 kg	4	(3)
173348.1214	5 kg	4	(6)

Kojic Acid, 98% PS

$C_6H_6O_4$
M: 142,11 CAS: 501-30-4 EINECS: 207-922-4 NC: 2932 99 85
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A571.1604	5 g	6
15A571.1606	25 g	6

Kovacs' Reagent DC

for detection of indole
NC: 3822 00 00 UN: 2920
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
Xn
R: 10-22-37/38-41-67 S: 7/9-13-26-37/39-46
1l~0,924kg 1kg~1,082l
Composition:
4-(Dimethylamino) benzaldehyde ..... 50 g
Hydrochloric Acid 37% ..... 250 ml
1-Butanol ..... 750 ml

Order code	Package	Units/Box st.
252908.1608	100 ml	6

Kupferron

(see Cupferron)

L(+)-Lactic Acid PA

$C_3H_6O_3$

M: 90,08 CAS: 79-33-4 EINECS: 201-196-2 NC: 2918 11 00

HAZARDOUS:

Xi **R: 36/38 S: 26**

1l~1,20kg 1kg~0,83l

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 85,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... p/t.
Residue on ignition (as SO_4) ..... 0,02 %
Darkened substances by H_2SO_4 ..... p/t.
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00001 %
Cu ..... 0,0005 %
Fe ..... 0,0002 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
121034.1211	1000 ml	6
121034.1214	5 l	4
121034.0716	25 l	
121034.0718	60 l	

L(+)-Lactic Acid (RFE, BP, Ph. Eur.) PRS-CODEX

$C_3H_6O_3$

M: 90,08 CAS: 79-33-4 EINECS: 201-196-2 NC: 2918 11 00

HAZARDOUS:

Xi **R: 36/38 S: 26**

1l~1,20kg 1kg~0,83l

SPECIFICATIONS:

Assay ($C_3H_6O_3$) ..... 88,0-92,0 %
Minimum assay (as S-enantiomer) ..... 95,0 % of $C_3H_6O_3$
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance ..... p/t.
Ether-insoluble substances ..... p/t.
Insoluble matter in H_2O ..... p/t.
Residue on ignition (as SO_4) ..... 0,05 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Darkened substances by H_2SO_4 ..... p/t.
Sugars and other reducing substances ..... p/t.
Citric, oxalic and phosphoric acids ..... p/t.
Volatile fatty acids ..... p/t.
Chloride (Cl) ..... 0,002 %
Sulphate (SO_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Ca ..... 0,02 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
141034.1211	1000 ml	6
141034.1214	5 l	4
141034.0716	25 l	
141034.0718	60 l	

L(+)-Lactic Acid (F.C.C.) ADITIO

$C_3H_6O_3$

M: 90,08 CAS: 79-33-4 EINECS: 201-196-2 NC: 2918 11 00

HAZARDOUS:

Xi **R: 36/38 S: 26**

1l~1,20kg 1kg~0,83l

SPECIFICATIONS:

Assay (as $C_3H_6O_3$), not less than ..... 85,0 %
Arsenic (as As), not more than ..... 3 ppm
Chloride, not more than ..... 0,02 %
Sulphate, not more than ..... 0,05 %
Citric, Oxalic, Phosphoric, or Tartaric Acids ..... p/t.
Cyanide, not more than ..... 5 ppm
Iron, not more than ..... 10 ppm
Residue on ignition, not more than ..... 0,1 %
Sugars and other reducing substances ..... p/t.
Heavy metals (as Pb), not more than ..... 10 ppm
Lead, not more than ..... 0,5 ppm
Mercury (Hg), not more than ..... 1 ppm
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201034.1214	5 l	4
201034.0716	25 l	

Lactophenol DC

for microscopy, bacteriology

NC: 3822 00 00 UN: 2927

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611

HAZARDOUS:

T **R: 24/25-34 S: 28a-45**

1l~1,172kg 1kg~0,853l

Composition:
Phenol ..... 22,7 g
L(+)-Lactic Acid ..... 18,8 ml
Water ..... 22,7 ml
Glycerol ..... 35,8 ml

Order code	Package	Units/Box st.
251837.1608	100 ml	6

Lactophenol Blue solution DC

for microscopy, bacteriology

NC: 3822 00 00 UN: 2927

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611

HAZARDOUS:

T **R: 24/25-34 S: 26-36/37/39-45**

1l~1,172kg 1kg~0,853l

Composition:
Methyl Blue ..... 50 mg
Phenol ..... 25 g
L(+)-Lactic Acid ..... 20,8 ml
Glycerol ..... 39,5 ml
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
253724.1608	100 ml	6

Lactose 1-hydrate (Reag. USP) PA-ACS

$C_{12}H_{22}O_{11}.H_2O$

M: 360,32 CAS: 10039-26-6 EINECS: 200-559-2 NC: 1702 19 00

SPECIFICATIONS:

Minimum assay ..... 99,0 %
Identity ..... IR p/t.
Specific rotation $[\alpha]^{20}$/D c=10 (in H_2O) calc. a.a.s ..... +54,4 to +55,9°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Residue on ignition (as SO_4) ..... 0,03 %
Glucose ..... p/t.
Saccharose ..... p/t.
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Water (H_2O) ..... 4,0-6,0 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0001 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Mg ..... 0,002 %
Mn ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,00005 %
Zn ..... 0,0005 %

Product obtained from animal milk with collection in the same conditions that the milk obtained for human consumption.

Order code	Package	Units/Box st.
131375.1210	500 g	6

SV

Soluciones valoradas
Volumetric solutions
Solutions volumétriques

Lactose 1-hydrate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

$C_{12}H_{22}O_{11}.H_2O$

M: 360,32 CAS: 10039-26-6 EINECS: 200-559-2 NC: 1702 19 00

SPECIFICATIONS:

Identity according to Pharmacopoeias ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=10 (in H_2O) calc. a.a.s .....+54,4 to+55,9°

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O..... p/t.
Loss on drying at 80°C.....0,5 %
Residue on ignition (as SO_4) .....0,1 %
Residual solvents (Ph.Eur./USP)..... p/t
ABS at λ400 nm sol. 10% in H_2O.....0,04
ABS of λ270 to 300 nm sol. 1% in H_2O.....0,07
ABS of λ210 to 220 nm sol. 1% in H_2O.....0,25
Acidity or alkalinity..... p/t.
Chloride (Cl).....0,01 %
Sulphate (SO_4) .....0,02 %
Water (H_2O).....4,5-5,5 %
Heavy metals (as Pb).....0,0005 %
Microbial limits:
Total aerobic microbial count (TAMC)..... 100 cfu/g
Yeasts and molds ..... 50 cfu/g
Escherichia coli .....absence
Salmonella.....absence
As .....0,0001 %
Cu .....0,0005 %
Fe.....0,0005 %
Ni .....0,0005 %

Product obtained from animal milk with collection in the same conditions that the milk obtained for human consumption.
Complies USP Specifications

Order code	Package	Units/Box st.
141375.1210	500 g P	6
141375.1211	1000 g P	6
141375.0914	5 kg PP	
141375.0416	25 kg PP	

Lactose 1-hydrate (F.C.C.) ADITIO

$C_{12}H_{22}O_{11}.H_2O$

M: 360,32 CAS: 10039-26-6 EINECS: 200-559-2 NC: 1702 19 00

SPECIFICATIONS:

Assay calc. a.a.s.....98,0-100,5%
pH of 10% solution 4,5-7,5
Arsenic (as As), not more than ..... 0,5 ppm
Lead, not more than ..... 0,5 ppm
Loss on drying.....4,5-5,5 %
Residue on ignition, not more than .....0,3 %
Microbial limit:
Escherichia coli .....absence
Salmonella.....absence
Specifications F.C.C. 6
Product obtained from animal milk with collection in the same conditions that the milk obtained for human consumption.

Order code	Package	Units/Box st.
201375.0914	5 kg PP	
201375.0416	25 kg PP	

LANTHANUM SOLUTIONS

(see Standards for ICP)

Lanthanum(III) Chloride 7-hydrate PA-ACS

$LaCl_3.7H_2O$

M: 371,37 CAS: 10025-84-0 EINECS: 233-237-5 NC: 2846 90 00

SPECIFICATIONS:

Assay (as $LaCl_3$).....64,5 - 70,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O.....0,005 %
Sulphate (SO_4) .....0,005 %
Ca .....0,001 %
Cu .....0,0003 %
Fe.....0,0005 %
K .....0,005 %
Mg .....0,0001 %
Na .....0,005 %
Pb .....0,0005 %
Zn .....0,0003 %

Order code	Package	Units/Box st.
132848.1208	100 g P	6

Lanthanum(III) Chloride 7-hydrate PA

$LaCl_3.7H_2O$

M: 371,37 CAS: 10025-84-0 EINECS: 233-237-5 NC: 2846 90 00

SPECIFICATIONS:

Minimum assay (Compl.).....98,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O.....0,005 %
Sulphate (SO_4) .....0,005 %
Ca .....0,005 %
Cu .....0,0003 %
Fe.....0,0005 %
K .....0,005 %
Mg .....0,0003 %
Na .....0,01 %
Pb .....0,0005 %
Zn .....0,0003 %

Order code	Package	Units/Box st.
122848.1208	100 g P	6
122848.1209	250 g P	6

Lanthanum Chloride/Cesium Chloride Buffer Solution

(see Buffer Solution Cesium Chloride/Lanthanum Chloride)

Lanthanum(III) Nitrate 6-hydrate PA

$La(NO_3)_3.6H_2O$

M: 433,02 CAS: 10277-43-7 EINECS: 233-238-0 NC: 2846 90 00 UN: 1477
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

HAZARDOUS:

O Xi

R: 8-36/37/38 S: 17-26-36

SPECIFICATIONS:

Minimum assay (Compl.).....99 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O.....0,005 %
Chloride (Cl).....0,005 %
Sulphate (SO_4) .....0,002 %
Ca .....0,005 %
Cu .....0,0005 %
Fe.....0,0005 %
K .....0,005 %
Mg .....0,0005 %
Na .....0,01 %
Ni .....0,0005 %
Pb .....0,0005 %
Zn .....0,0005 %

Order code	Package	Units/Box st.
122669.1208	100 g P	6
122669.1209	250 g P	6

Lanthanum(III) Oxide (Reag. Ph. Eur.) PA

Flux. For AA-spectrophotometry
La_2O_3

M: 325,81 CAS: 1312-81-8 EINECS: 215-200-5 NC: 2846 90 00

SPECIFICATIONS:

Minimum assay (Compl.) (a.i.s.).....99 %

MAXIMUM LIMIT OF IMPURITIES

Chloride (Cl).....0,005 %
Al .....0,001 %
Ca .....0,0005 %
Co .....0,0005 %
Cr.....0,0005 %
Cu .....0,0003 %
Fe.....0,0003 %
K .....0,005 %
Mg .....0,0003 %
Mn .....0,0005 %
Na .....0,005 %
Ni .....0,0003 %
Pb .....0,0005 %
Sr .....0,001 %
Zn .....0,0003 %

Order code	Package	Units/Box st.
122705.1607	50 g	6
122705.1609	250 g	6

Lanthanum(III) Oxide PRS

La_2O_3

M: 325,81 CAS: 1312-81-8 EINECS: 215-200-5 NC: 2846 90 00

SPECIFICATIONS:

Assay (Compl.) (a.i.s.).....98 %
Insoluble matter in HNO_3.....0,025 %
Chloride (Cl).....0,01 %
Cu .....0,005 %
Fe.....0,005 %
Ni .....0,005 %
Pb .....0,005 %

Order code	Package	Units/Box st.
142705.1208	100 g P	6
142705.1209	250 g P	6

Lauric Acid, 99% PS

$CH_3(CH_2)_{10}COOH$

M: 200,32 CAS: 143-07-7 EINECS: 205-582-1 NC: 2915 90 10

SPECIFICATIONS:

Minimum assay (G.C. as methyl ester) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 43-45°C

Order code	Package	Units/Box st.
162368.1210	500 g P	6

Lauric Acid Methyl Ester

(see Methyl Laurate)

Lauryl Alcohol

(see 1-Dodecanol)

Laurylsulphate Sodium Salt

(see Sodium Dodecyl Sulphate)

Lauth's Violet

(see Thionin)

Lead, 98% metal, granules PS

Pb

M: 207,19 CAS: 7439-92-1 EINECS: 231-100-4 NC: 7804 20 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

T N **R: 61-20/22-33-62-50/53 S: 53-45-60-61 CE: 082-001-00-6**

SPECIFICATIONS:

Minimum assay ..... 98 %
Insoluble matter in HNO_3 ..... 0,05 %

Order code	Package	Units/Box st.
165684.1209	250 g P	6
165684.1211	1000 g P	6

Lead metal, powder PRS

Pb

M: 207,19 CAS: 7439-92-1 EINECS: 231-100-4 NC: 7804 20 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

T N **R: 61-20/22-33-62-50/53 S: 53-45-60-61 CE: 082-001-00-6**

SPECIFICATIONS:

Insoluble matter in HNO_3 ..... 0,01 %
Cu ..... 0,005 %
Fe ..... 0,001 %
Ni ..... 0,005 %
Zn ..... 0,005 %

Order code	Package	Units/Box st.
143162.1209	250 g P	6
143162.1211	1000 g P	6

LEAD SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Lead(II) Acetate 3-hydrate (Reag. Ph. Eur.) PA-ACS-ISO

$Pb(CH_3COO)_2.3H_2O$

M: 379,33 CAS: 6080-56-4 EINECS: 206-104-4 NC: 2915 29 00 UN: 1616
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T N **R: 61-33-E48/22-50/53-62 S: 53-45-60-61 CE: 082-005-00-8**

SPECIFICATIONS:

Minimum (Compl.) ..... 99,5-103,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in CH_3COOH ..... 0,005 %
Chloride (Cl) ..... 0,0005 %
Nitrate and Nitrite (as NO_3) ..... 0,002 %
Ca ..... 0,005 %
Cd ..... 0,001 %
Co ..... 0,001 %
Cu ..... 0,001 %
Fe ..... 0,001 %
K ..... 0,005 %
Mg ..... 0,005 %
Na ..... 0,01 %
Ni ..... 0,001 %
Zn ..... 0,001 %

Order code	Package	Units/Box st.
131466.1210	500 g P	6
131466.1211	1000 g P	6
131466.1214	5 kg P	4
131466.0416	25 kg PP	

Lead(II) Acetate 3-hydrate PRS

$Pb(CH_3COO)_2.3H_2O$

M: 379,33 CAS: 6080-56-4 EINECS: 206-104-4 NC: 2915 29 00 UN: 1616
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T N **R: 61-33-E48/22-50/53-62 S: 53-45-60-61 CE: 082-005-00-8**

SPECIFICATIONS:

Assay (Compl.) ..... 99 %
Insoluble matter in CH_3COOH ..... 0,025 %
Chloride (Cl) ..... 0,005 %
Cu ..... 0,003 %
Fe ..... 0,003 %

Order code	Package	Units/Box st.
141466.1210	500 g P	6
141466.1211	1000 g P	6
141466.1214	5 kg P	4
141466.0416	25 kg PP	

Lead(II) Acetate Basic

(see Lead(II) Hydroxide Acetate)

Lead(II) Carbonate Basic

(see Lead(II) Hydroxide Carbonate)

Lead(II) Chloride PA

$PbCl_2$

M: 278,12 CAS: 7758-95-4 EINECS: 231-845-5 NC: 2827 39 85 UN: 2291
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T N **R: 61-20/22-33-62-50/53 S: 53-45-60-61 CE: 082-001-00-6**

SPECIFICATIONS:

Minimum assay (Compl.) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... p/t.
Nitrate (NO_3) ..... 0,01 %
Fe ..... 0,001 %
K ..... 0,05 %
Na ..... 0,05 %

Order code	Package	Units/Box st.
121470.1210	500 g P	6
121470.1214	5 kg P	6
121470.0416	25 kg	

Lead(II) Chloride PRS

$PbCl_2$

M: 278,12 CAS: 7758-95-4 EINECS: 231-845-5 NC: 2827 39 85 UN: 2291
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T N **R: 61-20/22-33-62-50/53 S: 53-45-60-61 CE: 082-001-00-6**

SPECIFICATIONS:

Assay (Compl.) ..... 98 %
Nitrate (NO_3) ..... 0,01 %
Fe ..... 0,005 %

Order code	Package	Units/Box st.
141470.1210	500 g P	6
141470.1214	5 kg P	6
141470.0416	25 kg	

Lead(II) Chloride, 99% PS

$PbCl_2$

M: 278,12 CAS: 7758-95-4 EINECS: 231-845-5 NC: 2827 39 85 UN: 2291
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T N **R: 61-20/22-33-62-50/53 S: 53-45-60-61 CE: 082-001-00-6**

SPECIFICATIONS:

Minimum (Compl.) ..... 99 %

Order code	Package	Units/Box st.
151470.1209	250 g P	6
151470.1211	1000 g P	6

Lead(II) Chromate PA

$PbCrO_4$

M: 323,18 CAS: 7758-97-6 EINECS: 231-846-0 NC: 2841 50 00 UN: 2291
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:
R: 45-61-33-62-50/53 S: 53-45-60-61 CE: 082-004-00-2
SPECIFICATIONS:
Minimum assay (Iodom.) ..... 99,0 %
MAXIMUM LIMIT OF IMPURITIES
Soluble matter ..... 0,3 %
Nitrate (NO_3) ..... 0,01 %

Order code	Package	Units/Box st.
121471.1210	500 g	6

Lead Dioxide

(see Lead(IV) Oxide)

Lead(II) Hydroxideacetate for sugar analysis according to Horne PA-ACS

CAS: 1335-32-6 EINECS: 215-630-3 NC: 2915 29 00 UN: 2291
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:
R: 61-33-40-E48/22-50/53-62 S: 53-45-60-61
CE: 082-007-00-9
SPECIFICATIONS:
Minimum assay (as Pb) (Compl.) ..... 72,0 %
Minimum basic lead (as PbO) ..... 33,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 1,0 %
Insoluble matter in CH_3COOH ..... 0,02 %
Loss on drying at 105°C ..... 1,5 %
Chloride (Cl) ..... 0,003 %
Nitrate and nitrite (as NO_3) ..... 0,003 %
Ca ..... 0,01 %
Cu ..... 0,002 %
Fe ..... 0,002 %
K ..... 0,02 %
Na ..... 0,05 %

Order code	Package	Units/Box st.
131467.1211	1000 g	6
131467.1214	5 kg	4
131467.0416	25 kg	

Lead(II) Hydroxideacetate PA

CAS: 1335-32-6 EINECS: 215-630-3 NC: 2915 29 00 UN: 2291
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:
R: 61-33-40-E48/22-50/53-62 S: 53-45-60-61
CE: 082-007-00-9
SPECIFICATIONS:
Minimum assay (as Pb)(Compl.) ..... 72,0 %
Minimum basic lead (as PbO) ..... 33,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 1,0 %
Insoluble matter in CH_3COOH ..... 0,02 %
Loss on drying at 105°C ..... 1,5 %
Chloride (Cl) ..... 0,01 %
Nitrate and nitrite (as NO_3) ..... 0,003 %
Ca ..... 0,005 %
Cd ..... 0,001 %
Co ..... 0,001 %
Cu ..... 0,002 %
Fe ..... 0,002 %
K ..... 0,02 %
Mg ..... 0,005 %
Na ..... 0,05 %
Ni ..... 0,001 %
Zn ..... 0,001 %

Order code	Package	Units/Box st.
121467.1210	500 g	6
121467.1211	1000 g	6
121467.1214	5 kg	4
121467.0416	25 kg	

LEAD(II) HYDROXIDEACETATE SOLUTIONS

Lead(II) Hydroxideacetate solution PRS

CAS: 1335-32-6 EINECS: 215-630-3 NC: 2915 29 00 UN: 2810
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:
R: 61-33-40-E48/22-50/53-62 S: 53-45-60-61
CE: 082-007-00-9
1l~1,200kg 1kg~0,833l
SPECIFICATIONS:
Assay (as PbO)(Compl.) p/v ..... 20-25 %
Density at 20/4 1,20-1,25

Order code	Package	Units/Box st.
141477.1211	1000 ml	6
141477.1214	5 l	4
141477.0716	25 l	

Lead(II) Hydroxideacetate solution according to AOAC for sugar analysis PA

CAS: 1335-32-6 EINECS: 215-630-3 NC: 2915 29 00 UN: 2810
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:
R: 61-33-40-E48/22-50/53-62 S: 53-45-60-61
CE: 082-007-00-9
1l~1,240kg 1kg~0,806l
SPECIFICATIONS:
Assay (as Pb) (w/v) ..... 22 %
Density at 20/4 1,23-1,25

Order code	Package	Units/Box st.
125731.1211	1000 ml	6

Lead(II) Hydroxide Carbonate PA-ACS

EINECS: 215-290-6 NC: 2836 99 17 UN: 2291
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:
R: 61-20/22-33-62-50/53 S: 53-45-60-61 CE: 082-001-00-6
SPECIFICATIONS:
Assay (as Pb) (Compl.) ..... 77-80 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in CH_3COOH dil ..... 0,02 %
Chloride (Cl) ..... 0,002 %
Nitrate and nitrite (as NO_3) ..... 0,005 %
Metals by ICP [mg/Kg (ppm)]

Ag	50	Fe	50	Na	500
Bi	50	Ga	20	Ni	50
Ca	100	Ge	20	Sr	50
Cd	20	In	20	V	20
Co	50	K	200	Zn	30
Cr	50	Mg	50	Zr	20
Cu	50	Mn	50		

Order code	Package	Units/Box st.
131469.1209	250 g	6
131469.1211	1000 g	6

Lead(II) Hydroxide Carbonate PRS

EINECS: 215-290-6 NC: 2836 99 17 UN: 2291
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:
R: 61-20/22-33-62-50/53 S: 53-45-60-61 CE: 082-001-00-6
SPECIFICATIONS:
Assay (as Pb)(Compl.) ..... 77-80 %
Chloride (Cl) ..... 0,01 %
Nitrate (NO_3) ..... 0,01 %
Fe ..... 0,005 %
Zn ..... 0,05 %

141469.1210	500 g	6
141469.1211	1000 g	6
141469.1214	5 kg	4
141469.0416	25 kg	

Lead Monoxide

(see Lead(II) Oxide)

Lead(II) Nitrate (Reag. Ph. Eur.) PA-ACS

$Pb(NO_3)_2$

M: 331,20 CAS: 10099-74-8 EINECS: 233-245-9 NC: 2834 29 20 UN: 1469
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

T N **R: 61-20/22-33-62-50/53 S: 53-45-60-61 CE: 082-001-00-6**

SPECIFICATIONS:
Minimum assay (Compl.) ..... 99,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,001 %
Metals by ICP [mg/Kg (ppm)]

Ag	5	Cu	5	Ni	5
Al	5	Fe	5	Pt	5
As	5	Ga	5	Sb	5
Au	5	Ge	5	Si	5
B	5	Hg	5	Sn	5
Be	5	In	5	Sr	5
Bi	5	K	20	Ti	5
Ca	50	Li	5	Zn	5
Cd	5	Mn	5	Zr	5
Co	5	Mo	5		
Cr	5	Na	20		

Order code	Package	Units/Box st.
131473.1210	500 g P	6
131473.1211	1000 g P	6
131473.1214	5 kg P	4
131473.0416	25 kg PP	

Lead(II) Nitrate PRS

$Pb(NO_3)_2$

M: 331,20 CAS: 10099-74-8 EINECS: 233-245-9 NC: 2834 29 20 UN: 1469
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

T N **R: 61-20/22-33-62-50/53 S: 53-45-60-61 CE: 082-001-00-6**

SPECIFICATIONS:
Assay (Compl.) ..... 98 %
Insoluble matter in H_2O ..... 0,025 %
Chloride (Cl) ..... 0,005 %
Ca ..... 0,05 %
Cu ..... 0,002 %
Fe ..... 0,002 %

Order code	Package	Units/Box st.
141473.1210	500 g P	6
141473.1211	1000 g P	6
141473.1214	5 kg P	4
141473.0416	25 kg PP	

Lead (II,IV) Oxide

(see Lead tetra-Oxide)

Lead(II) Oxide (DAC) PRS-CODEX

PbO

M: 223,20 CAS: 1317-36-8 EINECS: 215-267-0 NC: 2824 10 00 UN: 2291
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T N **R: 61-20/22-33-62-50/53 S: 53-45-60-61 CE: 082-001-00-6**

SPECIFICATIONS:
Assay (Compl.) ..... 99,0 - 100,5%
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in CH_3COOH dil. ..... 0,2 %
Loss on ignition at 700°C ..... 0,2 %
Residual solvents (Ph.Eur./USP) ..... p/t
Chloride (Cl) ..... 0,05 %
Nitrate (NO_3) ..... 0,05 %
Cu ..... 0,005 %
Fe ..... 0,005 %

Order code	Package	Units/Box st.
141475.1210	500 g P	6
141475.1211	1000 g P	6
141475.1214	5 kg P	6
141475.0416	25 kg PP	

Lead(IV) Oxide PRS

PbO_2

M: 239,19 CAS: 1309-60-0 EINECS: 215-174-5 NC: 2824 90 90 UN: 1872
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518
HAZARDOUS:

T N **R: 61-20/22-33-62-50/53 S: 53-45-60-61 CE: 082-001-00-6**

SPECIFICATIONS:
Assay (Iodom.) ..... 95 %
Insoluble matter in HNO_3 ..... 0,1 %
Chloride (Cl) ..... 0,1 %
Sulphate (SO_4) ..... 0,05 %
Cu ..... 0,02 %
Mn ..... 0,002 %
Ni ..... 0,02 %

Order code	Package	Units/Box st.
141468.1210	500 g P	6
141468.1214	5 kg P	6
141468.0416	25 kg	

Lead tetra-Oxide PA

Pb_3O_4

M: 685,57 CAS: 1314-41-6 EINECS: 215-235-6 NC: 2824 90 10 UN: 3087
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518
HAZARDOUS:

T N **R: 61-20/22-33-62-50/53 S: 53-45-60-61 CE: 082-001-00-6**

SPECIFICATIONS:
Minimum assay (as Pb_3O_4) ..... 97,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in HNO_3 ..... 0,05 %
Soluble matter in H_2O ..... 0,2 %
Ca ..... 0,01 %
Cu ..... 0,005 %
Fe ..... 0,005 %
K ..... 0,01 %
Mg ..... 0,01 %
Mn ..... 0,001 %
Na ..... 0,01 %
Zn ..... 0,005 %

Order code	Package	Units/Box st.
121476.1209	250 g P	6
121476.1211	1000 g P	6

Lead Oxide red

(see Lead tetra-Oxide)

Lead Subacetate

(see Lead(II) Hydroxideacetate)

Lead(II) Sulphate PA

$PbSO_4$

M: 303,25 CAS: 7446-14-2 EINECS: 231-198-9 NC: 2833 29 60 UN: 2291
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T N **R: 61-20/22-33-62-50/53 S: 53-45-60-61 CE: 082-001-00-6**

SPECIFICATIONS:
Minimum assay (Compl.) ..... 99,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in CH_3COONH_4 ..... 0,05 %
Loss on ignition ..... 0,5 %
Chloride (Cl) ..... 0,002 %
Nitrate (NO_3) ..... p/t.
Fe ..... 0,002 %
K ..... 0,05 %
Na ..... 0,1 %

Order code	Package	Units/Box st.
121478.1210	500 g P	6

Lead(II) Sulphate PRS

$PbSO_4$

M: 303,25 CAS: 7446-14-2 EINECS: 231-198-9 NC: 2833 29 60 UN: 2291
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T N **R: 61-20/22-33-62-50/53 S: 53-45-60-61 CE: 082-001-00-6**

SPECIFICATIONS:
Assay (Compl.) ..... 98 %
Insoluble matter in CH_3COONH_4 ..... 0,1 %
Chloride (Cl) ..... 0,01 %
Fe ..... 0,005 %

Order code	Package	Units/Box st.
141478.1210	500 g P	6
141478.1214	5 kg P	4

Leishman Solution

(see Eosin-Methylene Blue solution according to Leishman)

Leishman Stain

(see Eosin-Methylene Blue dye according to Leishman)

L-Leucine PB

$C_6H_{13}NO_2$

M: 131,18 CAS: 61-90-5 EINECS: 200-522-0 NC: 2922 49 95

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99,0 %
Identity ..... IR p/t.
T.L.C ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=4 (in HCl 6 mol/l) ..... +14,5 to +16,5°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl ..... 0,05 %
Loss on drying at 105°C ..... 0,2 %
Residue on ignition (as SO_4) ..... 0,05 %
ABS at λ260 nm sol. 0,1 mol/l in HCl 1 mol/l 0,1
ABS at λ280 nm sol. 0,1 mol/l in HCl 1 mol/l 0,05
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00015 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
372046.1206	25 g	6

L-Leucine (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_6H_{13}NO_2$

M: 131,18 CAS: 61-90-5 EINECS: 200-522-0 NC: 2922 49 95

SPECIFICATIONS:

Assay (Perchl. Ac.) calc. a.d.s 98,5-101,0%
Identity according to Pharmacopoeias ..... p/t.
T.L.C ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=4 (in HCl 6 mol/l)
(calc. a.d.s.) ..... +14,9 to +16,5°
pH of 1% solution 5,5-7,0

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in HCl 1 mol/l ..... p/t.
Loss on drying at 105°C ..... 0,2 %
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Chloride (Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,03 %
Ammonium (NH_4) ..... 0,02 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00015 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142046.1206	25 g	6
142046.1208	100 g	6

L-Leucine (F.C.C.) ADITIO

$C_6H_{13}NO_2$

M: 131,18 CAS: 61-90-5 EINECS: 200-522-0 NC: 2922 49 95

SPECIFICATIONS:

Assay (as $C_6H_{14}N_4O_2$) calc. a.d.s 98,5-101,5%
Lead, not more than ..... 5 ppm
Loss on drying, not more than ..... 0,2 %
Residue on ignition, not more than ..... 0,1 %
Specific rotation $[\alpha]^{20}$/D calc. a.d.s. ..... +14,5 to+16,5°
Specifications F.C.C. 6

Order code	Package	Units/Box st.
202046.1208	100 g	6

L-Leucine, 99% PS

$C_6H_{13}NO_2$

M: 131,18 CAS: 61-90-5 EINECS: 200-522-0 NC: 2922 49 95

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
152046.1608	100 g	6
152046.1610	500 g	6

D-Levulose

(see D(-)-Fructose)

Light Green solution 0,1% DC

for microscopy, animal tissue staining

$C_{37}H_{34}N_2Na_2O_9S_3$

M: 792,84 CAS: 5141-20-8 NC: 3204 12 00

1l~0,997kg 1kg~1,003l

Composition:
Light Green SF yellowish ..... 0,1 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
253524.1210	500 ml	6

Light liquid Paraffin (USP, BP, Ph. Eur.) PRS-CODEX

CAS: 8012-95-1 EINECS: 232-384-2 NC: 2710 19 85

1l~0,845kg 1kg~1,183l

SPECIFICATIONS:

Identity according to Pharmacopoeias ..... p/t.
Density at 20/20 0,810-0,875
Density at 25/25 0,818-0,880
Dynamic viscosity at 19,9-20,1°C ..... 25 - 80 mPas
Kinematic viscosity at 40°C ..... < 33,5 cSt

MAXIMUM LIMIT OF IMPURITIES

Darkened substances by H_2SO_4 ..... p/t.
Polycyclic aromatic hydrocarbons ..... p/t.
Solid Paraffin ..... p/t.
Acidity or alkalinity ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
146257.1211	1000 ml	6
146257.1212	2,5 l	4
146257.0716	25 l	
146257.0718	60 l	

Ligroin

(see Petroleum Ether)

Lime Water saturated solution RE

$Ca(OH)_2$

M: 74,09 CAS: 1305-62-0 NC: 2825 90 19

1l~1,005kg 1kg~0,995l

Composition:
Calcium Hydroxide ..... 0,5 g
Water ..... 100 ml

Order code	Package	Units/Box st.
171073.1210	500 ml	6

D(+)-Limonene (F.C.C.) ADITIO

$C_{10}H_{16}$

M: 136,24 CAS: 5989-27-5 EINECS: 227-813-5 NC: 2902 19 10 UN: 2052

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xi N

R: 10-38-43-50/53 S: 24-37-60-61 CE: 601-029-00-7

1l~0,842kg 1kg~1,187l

SPECIFICATIONS:

Assay (G.C.), not less than ..... 93,0 %
Specific rotation $[\alpha]^{25}$/D ..... +96 to +104°
IR ..... p/t.
Peroxide value, not more than 5,0
Specific gravity 0,838-0,843
Refractive index 1,471-1,474
Specifications F.C.C. 6

Order code	Package	Units/Box st.
203385.1214	5 l	4

D(+)-Limonene, 95% PS

$C_{10}H_{16}$

M: 136,24 CAS: 5989-27-5 EINECS: 227-813-5 NC: 2902 19 10 UN: 2052

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xi N

R: 10-38-43-50/53 S: 24-37-60-61 CE: 601-029-00-7

1l~0,842kg 1kg~1,187l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 95 %
Identity ..... IR p/t.
Density at 20/4 0,841-0,843
Specific rotation $[\alpha]^{20}$/D (without dil.) ..... +113 to +120°
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
163385.1608	100 ml	6
163385.1610	500 ml	6
163385.1214	5 l	4
163385.0716	25 l	

(±)-Linalool, 95% PS

$C_{10}H_{18}O$

M: 154,25 CAS: 78-70-6 EINECS: 201-134-4 NC: 2905 22 10

1l~0,861kg 1kg~1,161l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 95 %
Identity ..... IR p/t.
Density at 20/4 0,860-0,862

Order code	Package	Units/Box st.
15A584.1608	100 ml	6
15A584.1609	250 ml	6
15A584.1610	500 ml	6

Linalyl Acetate, 95% PS

$C_{12}H_{20}O_2$

M: 196,29 CAS: 115-95-7 EINECS: 204-116-4 NC: 2915 39 80

HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

1l~0,903kg 1kg~1,107l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 95 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A818.1609	250 ml	6

Lindlar catalyst

(see Palladium 5% on Calcium Carbonate)

Liquid Paraffin

(see Vaseline Oil, Light liquid Paraffin)

Lissamine Green B (C.I. 44090) DC

for microscopy, plasma staining

$C_{27}H_{25}N_2NaO_7S_2$

M: 576,63 CAS: 3087-16-9 EINECS: 221-409-2 NC: 3204 12 00

SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 634-637 nm
A 1%, 1cm, λmax ..... >1200
Ratio λmax P ± 15 nm 0,95-1,10
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C ..... 5 %

Order code	Package	Units/Box st.
253987.1606	25 g	6

Litharge

(see Lead(II) Oxide)

Lithium metal, pieces in Argon atmosphere PRS

Li

M: 6,94 CAS: 7439-93-2 EINECS: 231-102-5 NC: 2805 19 90 UN: 1415
IMDG: 4.3/I ADR: 4.3/I IATA: 4.3/I PAX: P CAO: 412

HAZARDOUS:

F C **R: 14/15-34 S: 8-43f-45 CE: 003-001-00-4**

SPECIFICATIONS:

Assay (Acidim.) ..... 99 %

Order code	Package	Units/Box st.
142003.1608	100 g	6

Lithium, 99% metal, granulated ~2,5 mm diameter in Argon atmosphere PS

Li

M: 6,94 CAS: 7439-93-2 EINECS: 231-102-5 NC: 2805 19 90 UN: 1415
IMDG: 4.3/I ADR: 4.3/I IATA: 4.3/I PAX: P CAO: 412

HAZARDOUS:

F C **R: 14/15-34 S: 8-43f-45 CE: 003-001-00-4**

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99 %

Order code	Package	Units/Box st.
15A820.1606	25 g	6

Lithium, 99% metal, sticks 1 cm diam. in vaseline oil PS

Li

M: 6,94 CAS: 7439-93-2 EINECS: 231-102-5 NC: 2805 19 90 UN: 1415
IMDG: 4.3/I ADR: 4.3/I IATA: 4.3/I PAX: P CAO: 412

HAZARDOUS:

F C **R: 14/15-34 S: 8-43f-45 CE: 003-001-00-4**

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99 %

Order code	Package	Units/Box st.
163966.1606	25 g	6
163966.1608	100 g	6

LITHIUM SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Lithium Aluminium Hydride, 95% in Argon atmosphere PS

H_4AlLi

M: 37,95 CAS: 16853-85-3 EINECS: 240-877-9 NC: 2850 00 20 UN: 1410
IMDG: 4.3/I ADR: 4.3/I IATA: 4.3/I PAX: P CAO: 412

HAZARDOUS:

F **R: 15 S: 7/8-24/25-43h CE: 001-002-00-4**

SPECIFICATIONS:

Minimum assay ..... 95 %

Order code	Package	Units/Box st.
15A821.1605	10 g	6
15A821.1606	25 g	6
15A821.1608	100 g	6

Lithium Aluminium Hydride, 95% tablets in Argon atmosphere PS

H_4AlLi

M: 37,95 CAS: 16853-85-3 EINECS: 240-877-9 NC: 2850 00 20 UN: 1410
IMDG: 4.3/I ADR: 4.3/I IATA: 4.3/I PAX: P CAO: 412

HAZARDOUS:

F **R: 15 S: 7/8-24/25-43h CE: 001-002-00-4**

SPECIFICATIONS:

Minimum assay ..... 95 %

Order code	Package	Units/Box st.
15A822.1605	10 g	6
15A822.1606	25 g	6
15A822.1608	100 g	6

Lithium Amide, 94% PS

$LiNH_2$

M: 22,96 CAS: 7782-89-0 EINECS: 231-968-4 NC: 2850 00 20 UN: 1390
IMDG: 4.3/II ADR: 4.3/II IATA: 4.3/II PAX: 415 CAO: 418

HAZARDOUS:

F C **R: 11-14-34 S: 16-26-27-36/37/39**

SPECIFICATIONS:

Minimum assay ..... 94 %

Order code	Package	Units/Box st.
15A823.1606	25 g	6
15A823.1608	100 g	6

SV

Soluciones valoradas
Volumetric solutions
Solutions volumétriques

Lithium meta-Borate anhydrous PA

flux
$LiBO_2$

M: 49,75 CAS: 13453-69-5 EINECS: 236-631-5 NC: 2840 20 90

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Loss on melting ..... 2,0 %
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,005 %
Silicate (as SiO_2) ..... 0,05 %
Sulphate (SO_4) ..... 0,01 %
Al ..... 0,002 %
As ..... 0,0002 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
K ..... 0,005 %
Mg ..... 0,01 %
Mn ..... 0,0004 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,002 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
123205.1208	100 g P	6
123205.1210	500 g P	6

di-Lithium tetra-Borate PA

flux
$Li_2B_4O_7$

M: 169,12 CAS: 12007-60-2 EINECS: 234-514-3 NC: 2840 20 90

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Loss on melting ..... 2,0 %
Chloride (Cl) ..... 0,005 %
Fluoride (F) ..... 0,002 %
Phosphate (PO_4) ..... 0,05 %
Silicate (as SiO_2) ..... 0,01 %
Sulphate (SO_4) ..... 0,02 %
Al ..... 0,005 %
As ..... 0,0002 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,001 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
K ..... 0,005 %
Mg ..... 0,002 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,002 %
Zn ..... 0,001 %

Order code	Package	Units/Box st.
122903.1209	250 g P	6
122903.1211	1000 g P	6
122903.0914	5 kg PP	

Lithium Bromide PA

LiBr

M: 86,85 CAS: 7550-35-8 EINECS: 231-439-8 NC: 2827 59 00

SPECIFICATIONS:

Minimum assay (Arg) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,003 %
Bromate (BrO_3) ..... p/t.
Chloride (Cl) ..... 0,2 %
Sulphate (SO_4) ..... 0,01 %
Iodide (I) ..... 0,05 %
Ba ..... 0,002 %
Ca ..... 0,002 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,01 %
Mg ..... 0,002 %
Na ..... 0,05 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
122902.1209	250 g P	6
122902.1214	5 kg P	4

Lithium Bromide PRS

LiBr

M: 86,85 CAS: 7550-35-8 EINECS: 231-439-8 NC: 2827 59 00

SPECIFICATIONS:

Assay (Arg.) ..... 98 %
Insoluble matter in H_2O ..... 0,01 %
Sulphate (SO_4) ..... 0,05 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
142902.1209	250 g P	6
142902.1214	5 kg P	4

Lithium Carbonate (Reag. Ph. Eur.) PA-ACS

Li_2CO_3

M: 73,89 CAS: 554-13-2 EINECS: 209-062-5 NC: 2836 91 00

HAZARDOUS:

Xn **R: 22 S: 22**

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl ..... 0,01 %
Sulphur compounds (as SO_4) ..... 0,2 %
Chloride (Cl) ..... 0,005 %
Nitrate (NO_3) ..... 0,0005 %
Ammonium (NH_4) ..... 0,0005 %
Heavy metals (as Pb) ..... 0,002 %
Ca ..... 0,01 %
Cu ..... 0,001 %
Fe ..... 0,002 %
K ..... 0,01 %
Mg ..... 0,01 %
Na ..... 0,1 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
131391.1209	250 g P	6
131391.1210	500 g P	6
131391.0914	5 kg PP	

Lithium Carbonate PRS

Li_2CO_3

M: 73,89 CAS: 554-13-2 EINECS: 209-062-5 NC: 2836 91 00

HAZARDOUS:

Xn **R: 22 S: 22**

SPECIFICATIONS:

Assay (Acidim.) ..... 98 %
Insoluble matter in HCl ..... 0,05 %
Sulphur compounds (as SO_4) ..... 0,3 %
Chloride (Cl) ..... 0,05 %
Nitrate (NO_3) ..... 0,005 %
Ammonium (NH_4) ..... 0,005 %
Cu ..... 0,005 %
Fe ..... 0,005 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
141391.1209	250 g P	6
141391.1210	500 g P	6
141391.0914	5 kg PP	

Lithium Chloride (Reag. USP, Ph. Eur.) PA-ACS

LiCl

M: 42,39 CAS: 7447-41-8 EINECS: 231-212-3 NC: 2827 39 85

HAZARDOUS:

Xn **R: 22-36/38 S: 24**

SPECIFICATIONS:

Minimum assay (Arg.) ..... 99 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Loss on drying at 105°C ..... 1,0 %
Alkalinity ..... 0,008 meq/g
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,002 %

Metals by ICP [mg/Kg (ppm)]

Ba 30
Ca 50
Fe 10
K 50
Na 2000

Order code	Package	Units/Box st.
131392.1209	250 g P	6
131392.1210	500 g P	6
131392.1214	5 kg P	4

Lithium Chloride PRS

LiCl

M: 42,39 CAS: 7447-41-8 EINECS: 231-212-3 NC: 2827 39 85

HAZARDOUS:

Xn

R: 22-36/38 S: 24

SPECIFICATIONS:

Assay (Arg.)..... 98 %
Insoluble matter in H_2O..... 0,05 %
Nitrogen compounds (as N)..... 0,005 %
Phosphate (PO_4)..... 0,003 %
Sulphate (SO_4)..... 0,05 %
Cu..... 0,002 %
Fe..... 0,002 %
Ni..... 0,002 %
Pb..... 0,002 %

Order code	Package	Units/Box st.
141392.1209	250 g	6
141392.1210	500 g	6
141392.1214	5 kg	

LITHIUM CHLORIDE SOLUTIONS

Lithium Chloride 1 mol/l in ethanol RV

electrolyte for non-aqueous media

LiCl

M: 42,39 CAS: 7447-41-8 NC: 3822 00 00 UN: 1993

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F

R: 11 S: 7-16

1l~0,800kg 1kg~1,250l

Composition:

Lithium Chloride..... 4,24 g
Ethanol absolute s.q.m..... 100 ml

Order code	Package	Units/Box st.
285250.1209	250 ml	6

Lithium Chloride 1 mol/l in glacial acetic acid RV

electrolyte for electrodes in non-aqueous media

LiCl

M: 42,39 NC: 3822 00 00 UN: 2920

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

C

R: 10-35 S: 23c-26-45

1l~1,080kg 1kg~0,926l

Composition:

Lithium Chloride..... 4,24 g
Acetic Acid glacial s.q.m..... 100 ml

Order code	Package	Units/Box st.
285249.1609	250 ml	6

Lithium Fluoride PRS

LiF

M: 25,94 CAS: 7789-24-4 EINECS: 232-152-0 NC: 2826 19 90 UN: 3288

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T

R: 25-36/37/38 S: 26-37-45

SPECIFICATIONS:

Assay (Gravim.)..... 98 %
Acidity (as HF)..... 0,02 %
Chloride (Cl)..... 0,02 %
Sulphate (SO_4)..... 0,02 %
Cu..... 0,005 %
Fe..... 0,005 %
Ni..... 0,005 %
Pb..... 0,005 %

Order code	Package	Units/Box st.
142431.1210	500 g	6
142431.0914	5 kg	

Lithium Hydroxide 1-hydrate (Reag. USP, Ph. Eur.) PA-ACS

$LiOH.H_2O$

M: 41,96 CAS: 1310-66-3 EINECS: 215-183-4 NC: 2825 20 00 UN: 2680

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816

HAZARDOUS:

C

R: 35 S: 26-36/37/39-45

SPECIFICATIONS:

Minimum assay (Acidim.)..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O..... 0,01 %
Lithium Carbonate..... 1,0 %
Chloride (Cl)..... 0,01 %
Nitrate (NO_3)..... 0,001 %
Sulphate (SO_4)..... 0,05 %
Heavy metals (as Pb)..... 0,002 %
Ca..... 0,005 %
Cu..... 0,001 %
Fe..... 0,001 %
K..... 0,05 %
Mg..... 0,005 %
Na..... 0,05 %
Ni..... 0,001 %
Pb..... 0,001 %

Order code	Package	Units/Box st.
131928.1209	250 g	6

Lithium Hydroxide 1-hydrate (USP) PRS-CODEX

$LiOH.H_2O$

M: 41,96 CAS: 1310-66-3 EINECS: 215-183-4 NC: 2825 20 00 UN: 2680

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816

HAZARDOUS:

C

R: 35 S: 26-36/37/39-45

SPECIFICATIONS:

Assay (Acidim.) calc. a.a.s..... 98,0-102,0%
Lithium (calc. a.a.s.)..... 28,4- 29,1%
Identity according to Pharmacopoeias..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O..... 0,01 %
Loss on drying at 135°C..... 41,0- 43,5%
Residual solvents (Ph.Eur./USP)..... p/t
Carbonate (as CO_2)..... 0,7 %
Chloride (Cl)..... 0,01 %
Sulphate (SO_4)..... 0,05 %
Heavy metals (as Pb)..... 0,002 %
As..... 0,0005 %
Ca..... 0,20 %
Cu..... 0,002 %
Fe..... 0,002 %
Ni..... 0,002 %
Pb..... 0,002 %

Complies USP 29 specifications

Order code	Package	Units/Box st.
141928.1209	250 g	6
141928.1210	500 g	6
141928.1214	5 kg	4

Lithium Nitrate PRS

$LiNO_3$

M: 68,94 CAS: 7790-69-4 EINECS: 232-218-9 NC: 2834 29 80 UN: 2722

IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

HAZARDOUS:

O

R: 8 S: 24/25

SPECIFICATIONS:

Assay..... 98 %
Insoluble matter in H_2O..... 0,05 %
Chloride (Cl)..... 0,01 %
Phosphate (PO_4)..... 0,005 %
Sulphate (SO_4)..... 0,05 %
Ammonium (NH_4)..... 0,01 %
Cu..... 0,005 %
Fe..... 0,005 %
Ni..... 0,005 %
Pb..... 0,005 %

Order code	Package	Units/Box st.
142432.1209	250 g	6
142432.1210	500 g	6
142432.1214	5 kg	4

Químicamente Puro
Chemically Pure
Chimiquement Pur

QP

Productos de pureza controlada para uso general en laboratorio y producción.
Chemicals of controlled purity for general use in laboratory and production.
Produits de qualité controlée pour usage général en laboratoire et en production.

Lithium Perchlorate 3-hydrate PA

$LiClO_4.3H_2O$

M: 160,44 CAS: 13453-78-6 EINECS: 232-237-2 NC: 2829 90 10 UN: 1481
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:
O Xn
R: 9-22-36/37/38 S: 24/25-27
SPECIFICATIONS:
Minimum assay (Arg.) ..... 98,0 %
pH of 5% solution 5,5-7,5
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,003 %
Sulphate (SO_4) ..... 0,001 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
122788.1209	250 g	6
122788.0914	5 kg	

Lithium Sulphate 1-hydrate (Reag. Ph. Eur.) PA-ACS

$Li_2SO_4.H_2O$

M: 127,95 CAS: 10102-25-7 EINECS: 233-820-4 NC: 2833 29 90
SPECIFICATIONS:
Minimum assay (a.d.s.) ..... 99,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,01 %
Loss on drying at 150°C ..... 13,0-15,0 %
Chloride (Cl) ..... 0,002 %
Nitrate (NO_3) ..... 0,001 %
Ammonium (NH_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
Ca ..... 0,01 %
Cu ..... 0,001 %
Fe ..... 0,001 %
K ..... 0,05 %
Mg ..... 0,01 %
Na ..... 0,05 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
131393.1209	250 g	6

Lithium Sulphate 1-hydrate PRS

$Li_2SO_4.H_2O$

M: 127,95 CAS: 10102-25-7 EINECS: 233-820-4 NC: 2833 29 90
SPECIFICATIONS:
Insoluble matter in H_2O ..... 0,05 %
Loss on drying at 150°C ..... 13,0-15,0 %
Chloride (Cl) ..... 0,005 %
Nitrate (NO_3) ..... 0,005 %
Cu ..... 0,005 %
Fe ..... 0,005 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
141393.1209	250 g	6
141393.1210	500 g	6
141393.1214	5 kg	4

Litmus soluble PA

pH indicator 4,5 red; 8,3 blue
CAS: 1393-92-6 EINECS: 215-739-6 NC: 3203 00 10
SPECIFICATIONS:
Identity ..... IR p/t.
λ of max. ABS at pH 8,0 ..... 580-585 nm
A 1%, 1cm, λ max. c.a.d.s ..... >450
MAXIMUM LIMIT OF IMPURITIES
Sensitivity as pH indicator ..... p/t.
Loss on drying at 135°C ..... 7 %

Order code	Package	Units/Box st.
121747.1604	5 g	6
121747.1606	25 g	6

Litmus soluble RE

pH indicator 4,5 red 8,3 blue
CAS: 1393-92-6 EINECS: 215-739-6 NC: 3203 00 10
SPECIFICATIONS:
Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 580-590 nm
A 1%, 1cm, λmax ..... >30
MAXIMUM LIMIT OF IMPURITIES
Sensitivity as pH indicator ..... p/t.
Loss on drying at 135°C ..... 7 %

Order code	Package	Units/Box st.
171747.1606	25 g	6

Litmus stain RV

pH indicator 4,5 red; 8,3 blue
CAS: 1393-92-6 EINECS: 215-739-6 NC: 3203 00 10
1l~1,001kg 1kg~0,999l
Composition:
Litmus soluble ..... 0,7 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
281748.1208	100 ml	6

Luff-Schoorl's Reagent RE

for determination of sugar in meats
NC: 3822 00 00
HAZARDOUS:
R: 52
1l~1,157kg 1kg~0,864l
Composition:
Sodium Carbonate anhydrous ..... 14,36 g
Citric Acid anhydrous ..... 5,47 g
Copper(II) Sulphate 5-hydrate ..... 2,6 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
172174.1211	1000 ml	6

Lugol

(see Lugol's Liquor)

Lugol's Iodine Iodized solution

(see Lugol's Liquor)

Lugol's Liquor DC

for microscopy, bacterium staining according to Gram (see also Kit for Staining Gram-Hucker)
NC: 3822 00 00
HAZARDOUS:
R: 52
1l~1,008kg 1kg~0,992l
Composition:
Potassium Iodide ..... 0,66 g
Iodine ..... 0,4 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
251774.1608	100 ml	6
251774.1609	250 ml	6
251774.1611	1000 ml	6

LUTETIUM SOLUTIONS

(see Standards for ICP)

2,6-Lutidine

(see 2,6-Dimethylpyridine)

L-Lysine 1-hydrate, 98% PS

$C_6H_{14}N_2O_2.H_2O$

M: 164,20 CAS: 39665-12-8 EINECS: 200-294-2 NC: 2922 41 00
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A390.1606	25 g	6
15A390.1608	100 g	6

L-Lysine mono-Hydrochloride (USP, BP, Ph. Eur.) PRS-CODEX

$C_6H_{14}N_2O_2.HCl$

M: 182,65 CAS: 657-27-2 EINECS: 211-519-9 NC: 2922 41 00
SPECIFICATIONS:
Assay (Perchl. Ac.) calc. a.d.s. ..... 98,5-101,0 %
Assay (as Cl) (Arg.) ..... 19,0-19,5 %
Identity according to Pharmacopoeias ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=8 (in HCl) calc. a.d.s. ..... +21,0 to +22,5°
Specific rotation $[\alpha]^{25}$/D c=8 (in HCl) calc. a.d.s. ..... +20,4 to +21,4°
T.L.C. ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Loss on drying at 105°C ..... 0,4 %
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Ammonium (NH_4) ..... 0,02 %
Sulphate (SO_4) ..... 0,03 %
Heavy metals (as Pb) ..... 0,001 %
Fe ..... 0,003 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
144764.1208	100 g	6
144764.1211	1000 g	6

L-Lysine mono-Hydrochloride (F.C.C.) ADITIO

$C_6H_{14}N_2O_2.HCl$

M: 182,65 CAS: 657-27-2 EINECS: 211-519-9 NC: 2922 41 00

SPECIFICATIONS:

Assay (Perchl. Ac.) calc. a.d.s. ....98,5-101,5 %
Identification ....IR p/t.
Lead, not more than .... 5 ppm
Loss on drying, not more than .... 1,0 %
Specific rotation $[\alpha]^{20}$/D calc. a.d.s. ....+20,3 to +21,5°
Residue on ignition, not more than .... 0,2 %
Specifications F.C.C. 6

Order code	Package	Units/Box st.
204764.1208	100 g	6
204764.1211	1 kg	6

L-Lysine mono-Hydrochloride, 99% PS

$C_6H_{14}N_2O_2.HCl$

M: 182,65 CAS: 657-27-2 EINECS: 211-519-9 NC: 2922 41 00

SPECIFICATIONS:

Minimum assay .... 99 %

Order code	Package	Units/Box st.
154764.1608	100 g	6
154764.1610	500 g	6

Macrogol

(see Polyethylene Glycol)

Magenta I

(see Fuchsin Basic)

Mag-β-D-GlcA

(see 5-Bromo-6-Chloro-3-Indolyl-β-D-Glucuronide Cyclohexylammonium Salt)

Magnesia Mixture RE

for phosphate determination

NC: 3822 00 00

Composition:

Magnesium Chloride 6-hydrate ....5 g
Ammonium Chloride ....10 g
Ammonia 25% ....13,6 ml
Water s.q.m ....100 ml

Order code	Package	Units/Box st.
171434.1210	500 ml	6

Magnesium metal, powder PRS

Mg

M: 24,31 CAS: 7439-95-4 EINECS: 231-104-6 NC: 8104 30 00 UN: 1418
IMDG: 4.3/II ADR: 4.3/II IATA: 4.3/II PAX: 415 CAO: 417

HAZARDOUS:

R: 11-15 S: 7/8-43f CE: 012-002-00-9

SPECIFICATIONS:

Assay (Compl.) .... 98 %
Insoluble matter in HCl .... p/t.
Fe .... 0,05 %
Pb .... 0,005 %

Order code	Package	Units/Box st.
141400.1208	100 g	6
141400.1209	250 g	6
141400.1211	1000 g	6
141400.0914	5 kg	

Magnesium metal, filings PRS

Mg

M: 24,31 CAS: 7439-95-4 EINECS: 231-104-6 NC: 8104 90 00 UN: 1869
IMDG: 4.1/III ADR: 4.1/III IATA: 4.1/III PAX: 419 CAO: 420

HAZARDOUS:

R: 11-15 S: 7/8-43f CE: 012-002-00-9

SPECIFICATIONS:

Assay (Compl.) .... 99 %
Insoluble matter in HCl .... p/t.
Al .... 0,05 %
Cu .... 0,005 %
Fe .... 0,05 %
Mn .... 0,1 %
Ni .... 0,005 %
Pb .... 0,005 %
Si .... 0,1 %
Zn .... 0,005 %

Order code	Package	Units/Box st.
141945.1208	100 g	6
141945.1209	250 g	6
141945.1211	1000 g	6
141945.0914	5 kg	

Magnesium, 99% metal, filings PS

Mg

M: 24,31 CAS: 7439-95-4 EINECS: 231-104-6 NC: 8104 90 00 UN: 1869
IMDG: 4.1/III ADR: 4.1/III IATA: 4.1/III PAX: 419 CAO: 420

HAZARDOUS:

R: 11-15 S: 7/8-43f CE: 012-002-00-9

SPECIFICATIONS:

Assay (Compl.) .... 99 %

Order code	Package	Units/Box st.
151945.1208	100 g	6
151945.1210	500 g	6

Magnesium metal, ribbon QP

ribbon 3 mm x ~0,2 mm
Mg

M: 24,31 CAS: 7439-95-4 EINECS: 231-104-6 NC: 8104 90 00 UN: 1869
IMDG: 4.1/III ADR: 4.1/III IATA: 4.1/III PAX: 419 CAO: 420

HAZARDOUS:

R: 11-15 S: 7/8-43f CE: 012-002-00-9

SPECIFICATIONS:

Assay (Compl.) .... 99 %
Insoluble matter in HCl .... p/t.
Cu .... 0,005 %
Fe .... 0,05 %
Ni .... 0,005 %
Pb .... 0,005 %
Zn .... 0,02 %

Order code	Package	Units/Box st.
211841.1106	25 g	6

MAGNESIUM SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Magnesium Acetate 4-hydrate (Reag. Ph. Eur.) PA-ACS

$Mg(CH_3COO)_2.4H_2O$

M: 214,46 CAS: 16674-78-5 EINECS: 205-554-9 NC: 2915 29 00

SPECIFICATIONS:

Assay (Compl.) 98,0-102,0%
pH of 5% solution 7,5-8,5

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O .... 0,005 %
Nitrogen compounds (as N) .... 0,001 %
Chloride (Cl) .... 0,001 %
Sulphate (SO_4) .... 0,005 %
Heavy metals (as Pb) .... 0,0005 %
As .... 0,0003 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Fe	5	Ni	5
Al	1	Ga	5	Pb	5
Au	5	Ge	5	Sb	5
Ba	10	In	5	Si	5
Ca	100	K	50	Sr	50
Cr	5	Li	5	Zn	5
Cd	5	Mn	10	Zr	5
Co	5	Mo	5		
Cu	5	Na	50		

Order code	Package	Units/Box st.
131394.1210	500 g	6
131394.1211	1000 g	6
131394.0914	5 kg	
131394.0416	25 kg	

Magnesium Acetate 4-hydrate PRS

$Mg(CH_3COO)_2.4H_2O$

M: 214,46 CAS: 16674-78-5 EINECS: 205-554-9 NC: 2915 29 00

SPECIFICATIONS:

Assay (Compl.) .... 98 %
pH of 5% solution 7,5-8,5
Insoluble matter in H_2O .... 0,025 %
Chloride (Cl) .... 0,03 %
Nitrate (NO_3) .... p/t.
Sulphate (SO_4) .... 0,06 %
Heavy metals (as Pb) .... 0,004 %

Order code	Package	Units/Box st.
141394.1210	500 g	6
141394.1211	1000 g	6
141394.0914	5 kg	
141394.0416	25 kg	

Magnesium Acetate 4-hydrate (BP, Ph. Eur.) CODEX

$Mg(CH_3COO)_2.4H_2O$

M: 214,46 CAS: 16674-78-5 EINECS: 205-554-9 NC: 2915 29 00

SPECIFICATIONS:

Assay (Compl.) 98,0-100,5%
Identity according to Pharmacopoeias .... p/t.
pH of 5% solution 7,5-8,5

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O .... 0,025 %
Residual solvents (Ph.Eur./USP) .... p/t.
Readily oxidisable substances .... p/t.
Chloride (Cl) .... 0,03 %
Nitrate (NO_3) .... 0,0003 %
Sulphate (SO_4) .... 0,06 %
Water (H_2O) ....33,0-35,0 %
Heavy metals (as Pb) .... 0,004 %
Al .... 0,0001 %
As .... 0,0003 %
Ca .... 0,01 %
Cu .... 0,001 %
Fe .... 0,001 %
K .... 0,1 %
Na .... 0,1 %
Ni .... 0,001 %
Pb .... 0,001 %

Order code	Package	Units/Box st.
191394.1211	1000 g P	6
191394.0914	5 kg PP	
191394.0416	25 kg	

Magnesium Bromide 6-hydrate PA

$MgBr_2.6H_2O$

M: 292,22 CAS: 13446-53-2 EINECS: 232-170-9 NC: 2827 59 00

SPECIFICATIONS:

Assay (Compl.) 98,0-101,0%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O .... 0,005 %
Acidity and alkalinity .... p/t.
Chloride (Cl) .... 0,05 %
Ammonium (NH_4) .... 0,002 %
As .... 0,0001 %
Ba .... 0,005 %
Cu .... 0,001 %
Fe .... 0,001 %
Ni .... 0,001 %
Pb .... 0,001 %

Order code	Package	Units/Box st.
122433.1210	500 g P	6
122433.1214	5 kg P	4
122433.0416	25 kg PP	

Magnesium Carbonate Basic

(see Magnesium Hydroxide Carbonate 5-hydrate)

Magnesium Chloride 6-hydrate PA-ACS-ISO

$MgCl_2.6H_2O$

M: 203,30 CAS: 7791-18-6 EINECS: 232-094-6 NC: 2827 31 00

SPECIFICATIONS:

Assay (Compl.) 99,0-102,0%
pH of 5% solution 5,0-6,5

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O .... 0,005 %
Nitrogen compounds (as N) .... 0,002 %
Phosphate (PO_4) .... 0,0005 %
Nitrate (NO_3) .... 0,001 %
Sulphate (SO_4) .... 0,002 %
Ammonium (NH_4) .... 0,002 %
Heavy metals (as Pb) .... 0,0005 %
As .... 0,00005 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Fe	5	Pb	5
Au	5	Ga	5	Si	5
Ba	20	Ge	5	Sr	50
Be	5	Hg	5	Ti	5
Bi	5	In	5	Tl	5
Ca	50	K	50	V	5
Cd	5	Mn	5	Zn	10
Co	5	Mo	5	Zr	5
Cr	5	Na	50		
Cu	5	Ni	5		

Order code	Package	Units/Box st.
131396.1210	500 g P	6
131396.1211	1000 g P	6
131396.0914	5 kg PP	
131396.0416	25 kg PP	

Magnesium Chloride 6-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX

$MgCl_2.6H_2O$

M: 203,30 CAS: 7791-18-6 EINECS: 232-094-6 NC: 2827 31 00

SPECIFICATIONS:

Assay (Compl.) 98,0-101,0%
Identity according to Pharmacopoeias .... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution .... p/t.
Residual solvents (Ph.Eur./USP) .... p/t
Acidity or alkalinity .... p/t.
Bromide (Br) .... 0,05 %
Phosphate (PO_4) .... 0,003 %
Sulphate (SO_4) .... 0,01 %
Water (H_2O) ....51,0-55,0 %
Ammonium (NH_4) .... 0,005 %
Heavy metals (as Pb) .... 0,001 %
Al .... 0,0001 %
As .... 0,0002 %
Ca .... 0,1 %
Cu .... 0,001 %
Fe .... 0,001 %
Ni .... 0,001 %
Pb .... 0,001 %

Order code	Package	Units/Box st.
141396.1209	250 g P	6
141396.1210	500 g P	6
141396.1211	1000 g P	6
141396.0914	5 kg PP	4
141396.0416	25 kg PP	

Magnesium Chloride 6-hydrate (RFE, USP, BP, Ph. Eur., DAB) CODEX

$MgCl_2.6H_2O$

M: 203,30 CAS: 7791-18-6 EINECS: 232-094-6 NC: 2827 31 00

SPECIFICATIONS:

Assay (Compl.) 98,0-101,0%
Identity according to Pharmacopoeias .... p/t.
pH of 5% solution 4,5-7,0

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution .... p/t.
Insoluble matter in H_2O .... 0,005 %
Residual solvents (Ph.Eur./USP) .... p/t.
Acidity or alkalinity .... p/t.
Bromide (Br) .... 0,05 %
Sulphate (SO_4) .... 0,005 %
Water (H_2O) ....51,0-55,0 %
Heavy metals (as Pb) .... 0,001 %
Al .... 0,0001 %
As .... 0,0002 %
Ba .... p/t.
Ca .... 0,01 %
K .... 0,05 %
Fe .... 0,001 %

Complies USP 29 specifications

Order code	Package	Units/Box st.
191396.1211	1000 g P	6
191396.0914	5 kg PP	
191396.0416	25 kg PP	

Magnesium Chloride 6-hydrate (E-511, F.C.C.) ADITIO

$MgCl_2.6H_2O$

M: 203,30 CAS: 7791-18-6 EINECS: 232-094-6 NC: 2827 31 00

SPECIFICATIONS:

Assay ($MgCl_2.6H_2O$) 99,0-105,0%
Ammonium, not more than .... 0,005 %
Sulphate, not more than .... 0,03 %
Arsenic, not more than .... 3 ppm
Mercury, not more than .... 1 ppm
Lead, not more than .... 4 ppm
Specifications Dir. 2008/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
201396.0914	5 kg PP	
201396.0416	25 kg PP	

Magnesium Chloride 6-hydrate QP

$MgCl_2.6H_2O$

M: 203,30 CAS: 7791-18-6 EINECS: 232-094-6 NC: 2827 31 00

SPECIFICATIONS:

Assay (Compl.) 98,0-104,0%
Ammonium (NH_4) .... 0,01 %
As .... 0,0003 %
Fe .... 0,005 %
Pb .... 0,005 %

Order code	Package	Units/Box st.
211396.0914	5 kg PP	
211396.0416	25 kg PP	

Magnesium Chloride ~50% $MgCl_2$ powder QP

$MgCl_2.xH_2O$

M: 95,25(anh.) EINECS: 232-094-6 NC: 2827 31 00

SPECIFICATIONS:

Assay (as $MgCl_2$)(Compl.) ..... 50 %
Ammonium (NH_4) ..... 0,01 %
As ..... 0,0003 %
Fe ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
211794.1210	500 g	6
211794.1211	1000 g	6
211794.1214	5 kg	4
211794.0416	25 kg	

Magnesium Citrate tri-Basic

(see tri-Magnesium di-Citrate 9-hydrate)

tri-Magnesium di-Citrate 9-hydrate PRS

$C_{12}H_{10}Mg_3O_{14}.9H_2O$

M: 613,30 CAS: 3344-18-1 EINECS: 222-093-9 NC: 2918 15 00

SPECIFICATIONS:

Minimum assay (Compl.) ..... 95 %
Insoluble matter in HCl ..... 0,05 %
Chloride (Cl) ..... 0,003 %
Cu ..... 0,005 %
Fe ..... 0,005 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
141354.1210	500 g	6
141354.1211	1000 g	6
141354.0914	5 kg	
141354.0416	25 kg	

Magnesium Fluoride PA

MgF_2

M: 62,30 CAS: 7783-40-6 EINECS: 231-995-1 NC: 2826 19 90

SPECIFICATIONS:

MAXIMUM LIMIT OF IMPURITIES

Acidity (as HF) ..... 0,05 %
Carbonate ..... p/t.
Sulphate (SO_4) ..... 0,05 %
Heavy metals (as Pb) ..... 0,005 %
Cu ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
122360.1210	500 g	6
122360.0914	5 kg	

Magnesium Fluoride PRS

MgF_2

M: 62,30 CAS: 7783-40-6 EINECS: 231-995-1 NC: 2826 19 90

SPECIFICATIONS:

Sulphate (SO_4) ..... 0,1 %
Cu ..... 0,003 %
Ni ..... 0,003 %
Pb ..... 0,003 %

Order code	Package	Units/Box st.
142360.1210	500 g	6
142360.1211	1000 g	6

Magnesium Hydrogen Phosphate 3-hydrate PRS

$MgHPO_4.3H_2O$

M: 174,34 CAS: 7782-75-4 EINECS: 231-823-5 NC: 2835 29 90

SPECIFICATIONS:

Assay (Compl.) ..... 98 %
Insoluble matter in HCl ..... 0,05 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,5 %
As ..... 0,0001 %
Cu ..... 0,005 %
Fe ..... 0,005 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
141927.1210	500 g	6

Magnesium Hydrogen Phosphate 3-hydrate (E-343ii, F.C.C.) ADITIO

$MgHPO_4.3H_2O$

M: 174,34 CAS: 7782-75-4 EINECS: 231-823-5 NC: 2835 29 90

SPECIFICATIONS:

Assay (as $Mg_2P_2O_7$) a.i.s., not less than ..... 96,0 %
Arsenic (as As), not more than ..... 3 ppm
Fluoride, not more than ..... 10 ppm
Loss on ignition ..... 29,0-36,0 %
Lead, not more than ..... 2 ppm
Cadmium, not more than ..... 1 ppm
Mercury, not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201927.0416	25 kg	

Magnesium Hydroxide (RFE, BP, Ph. Eur.) PRS-CODEX

$Mg(OH)_2$

M: 58,33 CAS: 1309-42-8 EINECS: 215-170-3 NC: 2816 10 00

HAZARDOUS:

Xi

R: 36/37/38 S: 26-36

SPECIFICATIONS:

Assay (Compl.) 95,0-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in CH_3COOH ..... 0,1 %
Soluble substances in H_2O ..... 2,0 %
Loss on ignition at 900°C ..... 30,0-32,5 %
Residual solvents (Ph.Eur./USP) ..... p/t
Chloride (Cl) ..... 0,1 %
Sulphate (SO_4) ..... 0,5 %
Heavy metals (as Pb) ..... 0,003 %
As ..... 0,0004 %
Ca ..... 1,5 %
Fe ..... 0,07 %

Order code	Package	Units/Box st.
141840.1211	1000 g	6
141840.1214	5 kg	4
141840.0416	25 kg	

Magnesium Hydroxide Carbonate 5-hydrate (E-504ii) ADITIO

$(MgCO_3)_4.Mg(OH)_2.5H_2O$

M: 485,62 CAS: 39409-82-0 EINECS: 235-192-7 NC: 2836 99 11

SPECIFICATIONS:

Assay (as MgO) ..... 40,0-43,5 %
Acid-insoluble substances, not more than ..... 0,05 %
Lead, not more than ..... 10 ppm
Soluble matter in H_2O, not more than ..... 1,0 %
Calcium, not more than ..... 1,0 %
Arsenic, not more than ..... 3 ppm
Mercury, not more than ..... 1 ppm
Specifications Dir. 2008/84/EC

Order code	Package	Units/Box st.
201395.0914	5 kg	
201395.0416	25 kg	

Magnesium Hydroxide Carbonate 5-hydrate QP

$(MgCO_3)_4.Mg(OH)_2.5H_2O$

M: 485,62 CAS: 39409-82-0 EINECS: 235-192-7 NC: 2836 99 11

SPECIFICATIONS:

Assay (as MgO)(Compl.) ..... 40-45 %
Insoluble matter in H_2SO_4 ..... 0,1 %
Sulphur compounds (as SO_4) ..... 0,2 %
Chloride (Cl) ..... 0,1 %

Order code	Package	Units/Box st.
211395.1209	250 g	6
211395.1210	500 g	6
211395.0914	5 kg	
211395.0416	25 kg	

Magnesium Molybdate 5-hydrate PRS

$MgMoO_4.5H_2O$

M: 274,33 CAS: 12013-21-7 EINECS: 234-581-9 NC: 2841 70 00

SPECIFICATIONS:

Assay (Compl.) ..... 98 %
Chloride (Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,1 %
Fe ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
141401.1208	100 g	6
141401.1214	5 kg	4
141401.0416	25 kg	

Magnesium Nitrate 6-hydrate (Reag. Ph. Eur.) PA-ACS

$Mg(NO_3)_2.6H_2O$

M: 256,41 CAS: 13446-18-9 EINECS: 233-826-7 NC: 2834 29 80 UN: 1474
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

HAZARDOUS:

O

R: 8 S: 24/25

SPECIFICATIONS:

Assay (Compl.) 98,0-102,0%
pH of 5% solution 5,0-8,2

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,003 %
Acidity (as HNO_3) ..... 0,005 %
Alkalinity (as MgO) ..... 0,001 %
Chloride (Cl) ..... 0,001 %
Phosphate (PO_4) ..... 0,0005 %
Sulphate (SO_4) ..... 0,002 %
Ammonium (NH_4) ..... 0,003 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0001 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Cu	5	Na	50
Al	5	Fe	2	Ni	5
Ba	20	Ga	10	Pb	5
Be	5	Ge	5	Sb	5
Ca	100	K	50	Si	5
Co	5	Mn	5	Sr	20
Cr	5	Mo	5	Ti	5

Order code	Package	Units/Box st.
131402.1210	500 g P	6
131402.1211	1000 g P	6
131402.0914	5 kg PP	
131402.0416	25 kg PP	

Magnesium Nitrate 6-hydrate PRS

$Mg(NO_3)_2.6H_2O$

M: 256,41 CAS: 13446-18-9 EINECS: 233-826-7 NC: 2834 29 80 UN: 1474
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

HAZARDOUS:

O

R: 8 S: 24/25

SPECIFICATIONS:

Assay (Compl.) ..... 98 %
pH of 5% solution 4,0-8,5
Insoluble matter in H_2O ..... 0,025 %
Acidity (as HNO_3) ..... 0,01 %
Alkalinity (as MgO) ..... 0,005 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Ammonium (NH_4) ..... 0,01 %
As ..... 0,0001 %
Ca ..... 0,05 %
Cu ..... 0,002 %
Fe ..... 0,001 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141402.1210	500 g P	6
141402.1211	1000 g P	6
141402.0914	5 kg PP	
141402.0416	25 kg PP	

Magnesium Oxide light (RFE, BP, Ph. Eur.) PRS-CODEX

MgO

M: 40,30 CAS: 1309-48-4 EINECS: 215-171-9 NC: 2519 90 10

SPECIFICATIONS:

Assay (Compl.) calc. a.i.s. 98,0-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in CH_3COOH ..... 0,1 %
Soluble matter in H_2O ..... 2,0 %
Loss on ignition at 900°C ..... 8,0 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Chloride (Cl) ..... 0,15 %
Sulphate (SO_4) ..... 1,0 %
Heavy metals (as Pb) ..... 0,003 %
As ..... 0,0004 %
Ca ..... 1,5 %
Fe ..... 0,1 %

Order code	Package	Units/Box st.
141276.1211	1000 g P	4
141276.0416	25 kg	

Magnesium Oxide (F.C.C.) ADITIO

MgO

M: 40,30 CAS: 1309-48-4 EINECS: 215-171-9 NC: 2519 90 10

SPECIFICATIONS:

Assay (MgO) after ignition ..... 98,0-100,5 %
Acid-insoluble substances, not more than ..... 0,1 %
Free Alkalis and soluble salts ..... p/t.
Calcium Oxide, not more than ..... 1,5 %
Lead, not more than ..... 4 ppm
Loss on Ignition, not more than ..... 10,0 %
Arsenic, not more than ..... 3 ppm
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201276.0914	5 kg	
201276.0416	25 kg	

Magnesium Oxide QP

MgO

M: 40,30 CAS: 1309-48-4 EINECS: 215-171-9 NC: 2519 90 10

SPECIFICATIONS:

Assay (Compl.) ..... 90 %
Insoluble matter in HCl ..... 0,2 %
Sulphur compounds (as SO_4) ..... 0,2 %
Chloride (Cl) ..... 0,2 %

Order code	Package	Units/Box st.
211276.1209	250 g P	6
211276.1210	500 g P	6
211276.0914	5 kg	
211276.0416	25 kg	

Magnesium Perchlorate hydrate (desiccant) PA-ACS

$Mg(ClO_4)_2$

M: 223,21 CAS: 64010-42-0 EINECS: 233-108-3 NC: 2829 90 10 UN: 1475
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

O Xi

R: 8-36/37/38 S: 26-36

SPECIFICATIONS:

Suitability for moisture absorption ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Acidity ..... 0,005 meq/g
Alkalinity ..... 0,025 meq/g
Loss on drying at 190°C ..... 8 %

Order code	Package	Units/Box st.
136064.1208	100 g P	6
136064.1210	500 g P	6

Magnesium Phosphate di-Basic

(see Magnesium Hydrogen Phosphate 3-hydrate)

Magnesium Phosphate tri-Basic

(see tri-Magnesium di-Phosphate 5-hydrate)

tri-Magnesium di-Phosphate 5-hydrate PRS

$Mg_3(PO_4)_2.5H_2O$

M: 352,93 CAS: 10233-87-1 EINECS: 231-824-0 NC: 2835 29 90

SPECIFICATIONS:

Assay (Compl.) ..... 98,0 %
Insoluble matter in HCl ..... 0,1 %
Chloride (Cl) ..... 0,15 %
Nitrate (NO_3) ..... p/t.
Sulphate (SO_4) ..... 0,5 %
As ..... 0,0003 %
Ba ..... p/t.
Ca ..... p/t.
Cu ..... 0,003 %
Ni ..... 0,003 %
Pb ..... 0,003 %

Order code	Package	Units/Box st.
141399.1209	250 g P	6
141399.0914	5 kg PP	

tri-Magnesium di-Phosphate 5-hydrate (F.C.C.) ADITIO

$Mg_3(PO_4)_2.5H_2O$

M: 352,93 CAS: 10233-87-1 EINECS: 231-824-0 NC: 2835 29 90

SPECIFICATIONS:

Assay (as $Mg_3(PO_4)_2$) calc. on the ignited basis 98,0-101,5%
Arsenic (as As), not more than ..... 3 ppm
Fluoride, not more than ..... 10 ppm
Loss on heating ..... 20,0-27,0 %
Lead, not more than ..... 2 ppm
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201399.0914	5 kg PP	
201399.0416	25 kg PP	

Magnesium Stearate (RFE, BP, Ph. Eur.) PRS-CODEX

$Mg(C_{18}H_{35}O_2)_2$

M: 591,27 CAS: 557-04-0 EINECS: 209-150-3 NC: 2915 70 30

SPECIFICATIONS:

Assay (as Mg)(Compl.)calc. a.d.s ..... 4,0-5,0 %
Minimum assay (G.C. as methyl ester)
(stearic + pamitics acids) ..... 90,0 %
Minimum assay (G.C. as methyl ester) (stearic acid) ..... 40,0 %
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 6,0 %
Residual solvents (Ph.Eur./USP) ..... p/t
Appearance of solut. of the fatty acids ..... p/t.
Acidity or alkalinity ..... p/t.
Acid value of the fatty acids 195-210
Chloride (Cl) ..... 0,1 %
Sulphate (SO_4) ..... 0,3 %
Heavy metals (as Pb) ..... 0,002 %
Total aerobic microbial count (TAMC) ..... 1000 cfu/g
Total combined yeast and mounds (TYMC) ..... 100 cfu/g
Escherichia coli ..... absence/g
Salmonella ..... absence/10 g
Cd ..... 0,0003 %
Pb ..... 0,001 %
Ni ..... 0,0005 %

Order code	Package	Units/Box st.
142029.1211	1000 g P	6

Magnesium Stearate (E-470b, F.C.C.) ADITIO

$Mg(C_{18}H_{35}O_2)_2$

M: 591,27 CAS: 557-04-0 EINECS: 209-150-3 NC: 2915 70 30

SPECIFICATIONS:

Assay (as MgO) ..... 6,8-8,3 %
Assay on anhyd. subst., not less than ..... 95 %
Free alkali (as MgO), not more than ..... 0,1 %
Unsaponifiable matter, not more than ..... 2 %
Free fat acids (as oleic ac.), not more than ..... 3 %
Heavy metals (as Pb), not more than ..... 10 ppm
Arsenic, not more than ..... 3 ppm
Cadmium, not more than ..... 1 ppm
Lead, not more than ..... 5 ppm
Mercury, not more than ..... 1 ppm
Loss on drying, not more than ..... 4,0 %
Specifications Dir. 2008/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
202029.0914	5 kg PP	
202029.0416	25 kg	

Magnesium Stearate QP

$Mg(C_{18}H_{35}O_2)_2$

M: 591,27 CAS: 557-04-0 EINECS: 209-150-3 NC: 2915 70 30

SPECIFICATIONS:

Assay (as Mg)(Compl.) ..... 3,8-5,0 %
Loss on drying at 105°C ..... 6 %

Order code	Package	Units/Box st.
212029.1210	500 g P	6
212029.1211	1000 g P	6

Magnesium Sulphate anhydrous QP

$MgSO_4$

M: 120,37 CAS: 7487-88-9 EINECS: 231-298-2 NC: 2833 21 00

SPECIFICATIONS:

Assay (Compl.) ..... 97 %

Order code	Package	Units/Box st.
212486.1211	1000 g P	6
212486.1214	5 kg P	4
212486.0416	25 kg PP	

VINIKIT
Análisis de vinos
Wine analysis
Analyse des vins

Magnesium Sulphate 7-hydrate PA-ACS

$MgSO_4.7H_2O$

M: 246,48 CAS: 10034-99-8 EINECS: 231-298-2 NC: 2833 21 00

SPECIFICATIONS:

Assay (Compl.) 98,0-102,0%
pH of 5% solution 5,0-8,2

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,0005 %
Phosphate (PO_4) ..... 0,001 %
Nitrate (NO_3) ..... 0,001 %
Ammonium (NH_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00005 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Cu	5	Ni	5
Al	5	Fe	5	Pb	5
Au	5	Ga	5	Sb	5
B	5	Ge	5	Se	5
Be	5	In	5	Si	5
Bi	5	K	50	Sn	5
Ca	40	Li	5	Sr	50
Cd	5	Mn	5	Ti	5
Co	5	Mo	5	Zn	5
Cr	5	Na	50	Zr	5

Order code	Package	Units/Box st.
131404.1210	500 g P	6
131404.1211	1000 g P	6
131404.0914	5 kg PP	4
131404.0416	25 kg PP	

Magnesium Sulphate 7-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$MgSO_4.7H_2O$

M: 246,48 CAS: 10034-99-8 EINECS: 231-298-2 NC: 2833 21 00

SPECIFICATIONS:

Assay (Compl.) calc. a.a.s 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 5,0-9,2

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,025 %
Loss on drying at 450°C ..... 48,0-52,0 %
Residual solvents (Ph.Eur./USP) ..... p/t
Acidity and alkalinity ..... p/t.
Chloride (Cl) ..... 0,014 %
Phosphate (PO_4) ..... 0,002 %
Ammonium (NH_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0002 %
Fe ..... 0,002 %
Se ..... 0,003 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141404.1210	500 g P	6
141404.1211	1000 g P	6
141404.0914	5 kg PP	4
141404.0416	25 kg PP	

Magnesium Sulphate 7-hydrate (F.C.C.) ADITIO

$MgSO_4.7H_2O$

M: 246,48 CAS: 10034-99-8 EINECS: 231-298-2 NC: 2833 21 00

SPECIFICATIONS:

Assay ($MgSO_4$) after ignition, not less than ..... 99,5 %
Loss on ignition ..... 40,0-52,0 %
Selenium, not more than ..... 0,003 %
Lead, not more than ..... 4 ppm
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201404.1214	5 kg PP	
201404.0416	25 kg PP	

Magnesium Sulphate 75% extradry, powder PRS

$MgSO_4.xH_2O$

M: 120,36(anh) CAS: 7487-88-9 EINECS: 231-298-2 NC: 2833 21 00

SPECIFICATIONS:

Assay (Compl.) ..... 72,0-80,0 %
Insoluble matter in H_2O ..... p/t.
Loss on drying at 450°C ..... 20-28 %
Acidity and alkalinity ..... p/t.
Chloride (Cl) ..... 0,05 %
Heavy metals (as Pb) ..... 0,0015 %
As ..... 0,0003 %
Ca ..... 0,05 %
Fe ..... 0,003 %

Order code	Package	Units/Box st.
141878.1214	5 kg P	4
141878.0416	25 kg PP	

Magnesium Sulphate 65% dry, powder (BP) PRS-CODEX

$MgSO_4.xH_2O$

M: 120,36(anh) CAS: 7487-88-9 EINECS: 231-298-2 NC: 2833 21 00

SPECIFICATIONS:

Assay (Compl.) calc. a.d.s 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... p/t.
Loss on drying at 450°C ..... 30,0-38,0 %
Residual solvents (Ph.Eur./USP) ..... p/t
Acidity and alkalinity ..... p/t.
Chloride (Cl) ..... 0,04 %
Heavy metals (as Pb) ..... 0,0015 %
As ..... 0,0003 %
Ca ..... 0,05 %
Fe ..... 0,003 %

Order code	Package	Units/Box st.
141673.1214	5 kg	4
141673.0416	25 kg	

Magnesium Sulphate 0,1 mol/l (0,1M) SV

Indicator: Eriochrome Black T

$MgSO_4$

M: 120,37 CAS: 7487-88-9 EINECS: 231-298-2 NC: 2833 21 00

1l~1,014kg 1kg~0,986l

SPECIFICATIONS:

Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
181405.1211	1000 ml	6

Magnesium Trisilicate x-hydrate (USP) PRS-CODEX

$2MgO.3SiO_2.xH_2O$

M: 260,86(anh) CAS: 39365-87-2 EINECS: 239-076-7 NC: 2839 90 90

SPECIFICATIONS:

Minimum assay (MgO) ..... 20,0 %
Minimum assay (SiO_2) ..... 45,0 %
Ratio SiO_2-MgO 2,10-2,37
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Residual solvents (Ph.Eur./USP) ..... p/t
Acid consuming capacity ..... p/t.
Alkalinity ..... p/t.
Soluble salts ..... 1,5 %
Loss on ignition at 900°C ..... 17,0-34,0 %
Chloride (Cl) ..... 0,055 %
Sulphate (SO_4) ..... 0,5 %
Heavy metals (as Pb) ..... 0,003 %
As ..... 0,0008 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141796.1210	500 g	6
141796.1211	1000 g	6
141796.0914	5 kg	
141796.0416	25 kg	

Magneson I PA

Mg reagent

$C_{12}H_9N_3O_4$

M: 259,23 CAS: 74-39-5 EINECS: 200-808-5 NC: 3822 00 00

SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS in NaOH 0,01 mol/l ..... 449-455 nm
A 1%, 1 cm, λmax ..... ≥1950
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 135°C ..... 5 %
Sensitivity to Mg ..... p/t.

Order code	Package	Units/Box st.
122361.1605	10 g	6

Malachite Green G

(see Brilliant Green)

Malachite Oxalate Green (C.I. 42000) DC

for microscopy, cytoplasm of vegetal cells staining

$C_{52}H_{54}N_4O_{12}$

M: 927,02 CAS: 2437-29-8 EINECS: 219-441-7 NC: 3204 13 00 UN: 2811

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn N

R: 41-63-50/53-22 S: 26-36/37-39-46-60-61 CE: 607-007-00-3

SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 616-620 nm
A 1%, 1 cm, λmax ..... >1450
Ratio λmax. P ± 15 nm 1,00-1,15
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C ..... 7 %

Order code	Package	Units/Box st.
251761.1606	25 g	6
251761.1608	100 g	6

Maleic Acid (RFE, BP, Ph. Eur.) PRS-CODEX

HOOCCHCHCOOH

M: 116,07 CAS: 110-16-7 EINECS: 203-742-5 NC: 2917 19 90 UN: 3261

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823

HAZARDOUS:

Xn

R: 22-36/37/38 S: 26-28a-37 CE: 607-095-00-3

SPECIFICATIONS:

Assay (Acidim.) calc. a.d.s. 99,0-101,0%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t
Fumaric Acid ..... p/t.
Water (H_2O) ..... 1,5 %
Heavy metals (as Pb) ..... 0,001 %
Fe ..... 0,0005 %

Order code	Package	Units/Box st.
141882.1210	500 g	6
141882.1211	1000 g	6
141882.1214	5 kg	
141882.0416	25 kg	

Maleic Acid, 99% PS

HOOCCHCHCOOH

M: 116,07 CAS: 110-16-7 EINECS: 203-742-5 NC: 2917 19 90 UN: 3261

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823

HAZARDOUS:

Xn

R: 22-36/37/38 S: 26-28a-37 CE: 607-095-00-3

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
151882.1209	250 g	6
151882.1211	1000 g	6

Maleic Anhydride, 98% PS

COCHCHCOO

M: 98,06 CAS: 108-31-6 EINECS: 203-571-6 NC: 2917 14 00 UN: 2215

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823

HAZARDOUS:

C

R: 22-34-42/43 S: 22-26-36/37/39-45 CE: 607-096-00-9

SPECIFICATIONS:

Minimum assay (Morpholine met.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 51-54°C

Order code	Package	Units/Box st.
15A713.1210	500 g	6
15A713.1211	1000 g	6
15A713.0914	5 kg	
15A713.0416	25 kg	

D(+)-Malic Acid, 99% PS

$C_4H_6O_5$

M: 134,08 CAS: 636-61-3 EINECS: 211-262-2 NC: 2918 19 85

HAZARDOUS:

Xi

R: 36/37/38 S: 24/25

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
15A914.1603	1 g	6
15A914.1604	5 g	6

DL-Malic Acid PB

$C_4H_6O_5$

M: 134,09 CAS: 617-48-1 EINECS: 210-514-9 NC: 2918 19 85

HAZARDOUS:

Xi **R: 36**

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99,5 %
Identity ..... IR p/t.
Melting range ..... 128-131°C
Specific rotation $[\alpha]^{20}$/D c=8,5 (in H_2O) ..... -0,1 to +0,1°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,05 %
Residue on ignition (as SO_4) ..... 0,02 %
Fumaric acid (G.C.) ..... 1 %
Maleic acid (G.C.) ..... 0,1 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Ca ..... 0,002 %
Cu ..... 0,001 %
Fe ..... 0,0001 %
Mg ..... 0,002 %
Ni ..... 0,0005 %
Pb ..... 0,001 %
Zn ..... 0,001 %

Order code	Package	Units/Box st.
372051.1209	250 g P	6

DL-Malic Acid (USP-NF) PRS-CODEX

$C_4H_6O_5$

M: 134,09 CAS: 617-48-1 EINECS: 210-514-9 NC: 2918 19 85

HAZARDOUS:

Xi **R: 36**

SPECIFICATIONS:

Assay (Acidim.) 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
Melting range ..... 128-131°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,1 %
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t
Fumaric Acid ..... 1,0 %
Maleic Acid ..... 0,05 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,02 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0001 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142051.1210	500 g P	6
142051.1211	1000 g P	6
142051.0914	5 kg PP	

DL-Malic Acid (E-296, F.C.C.) ADITIO

$C_4H_6O_5$

M: 134,09 CAS: 617-48-1 EINECS: 210-514-9 NC: 2918 19 85

HAZARDOUS:

Xi **R: 36**

SPECIFICATIONS:

Assay (as $C_4H_6O_5$) 99,0-100,5%
Heavy metals (as Pb), not more than ..... 0,001 %
Fumaric Acid, not more than ..... 1,0 %
Maleic Acid, not more than ..... 0,05 %
Residue on ignition, not more than ..... 0,1 %
Insoluble matter in H_2O, not more than ..... 0,1 %
Specific rotation ..... -0,10 to +0,10°
Arsenic, not more than ..... 3 ppm
Mercury, not more than ..... 1 ppm
Lead, not more than ..... 2 ppm
Specifications Dir. 2000/63/CE, F.C.C. 6

Order code	Package	Units/Box st.
202051.0914	5 kg PP	

DL-Malic Acid, 99% PS

$C_4H_6O_5$

M: 134,09 CAS: 617-48-1 EINECS: 210-514-9 NC: 2918 19 85

HAZARDOUS:

Xi **R: 36**

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
152051.1209	250 g P	6
152051.1211	1000 g P	6

Malo-Lactic Kit VINIKIT

kit for checking Malo-Lactic fermentation by T.L.C.
(see Eluent for Malo-Lactic Kit)

NC: 3822 00 00 UN: 3316

IMDG: 9/III ADR: 9/III IATA: 9/- PAX: 915 CAO: 915

HAZARDOUS:

F **R: 11 S: 7-16**

Comprised of:
1 small spoon
2x100 ml of eluent
50 microplates
2x5 ml of standard solution
3 screw cap tubes
10 g of resin
1 development chamber
1 auxiliar for micropipette
50 micropipettes
1 spotting guide
3 pasteur pipettes
1 instructions sheet

Order code	Package	Units/Box st.
625079.2122	pack PEX	6

Malonamide, 99% PS

$C_3H_6N_2O_2$

M: 102,09 CAS: 108-13-4 EINECS: 203-553-8 NC: 2924 19 00

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.
Melting range ..... 168-172,5°C

Order code	Package	Units/Box st.
15B699.1207	50 g P	6
15B699.1209	250 g P	6

Malonic Acid Diamide

(see Malonamide)

Malt Extract (Ingredient) CULTIMED

Nutritional ingredient in media preparation for yeast and moulds

NC: 3504 00 00

SPECIFICATIONS:

pH of 5% solution 4,5-6,0
Loss on drying at 105°C ..... 6 %
Residue on ignition (as SO_4) ..... 4 %

Order code	Package	Units/Box st.
403690.1210	500 g P	6
403690.0914	5 kg PP	
403690.0416	25 kg	

Maltose 1-hydrate PRS

$C_{12}H_{22}O_{11}.H_2O$

M: 360,32 CAS: 6363-53-7 EINECS: 200-716-5 NC: 1702 90 10

SPECIFICATIONS:

Insoluble matter in H_2O ..... 0,01 %
Residue on ignition (as SO_4) ..... 0,05 %
Acidity (as CH_3COOH) ..... 0,01 %
Chloride (Cl) ..... 0,005 %
Sulphate and Sulphite (as SO_4) ..... 0,01 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141797.1208	100 g P	6
141797.1209	250 g P	6
141797.1210	500 g P	6
141797.0914	5 kg PP	

DL-Mandelic Acid, 99% PS

$C_6H_5CH(OH)COOH$

M: 152,15 CAS: 611-72-3 EINECS: 210-277-1 NC: 2918 19 85

SPECIFICATIONS:

Minimum assay ..... 99 %
Melting range..... 118-120°C

Order code	Package	Units/Box st.
15B144.1608	100 g	6
15B144.1610	500 g	6

Manganese metal, small sheets PRS

Mn

M: 54,94 CAS: 7439-96-5 EINECS: 231-105-1 NC: 8110 90 00

HAZARDOUS:

Xn **R: 48 S: 22**

SPECIFICATIONS:

Assay ..... 99 %
Ca ..... 0,05 %
Cu ..... 0,05 %
Fe..... 0,01 %
K ..... 0,01 %
Mg ..... 0,05 %
Na ..... 0,01 %
Ni ..... 0,005 %
Pb ..... 0,01 %
Zn ..... 0,1 %

Order code	Package	Units/Box st.
142977.1209	250 g	6

MANGANESE SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Manganese(II) Acetate 4-hydrate PA

$Mn(CH_3COO)_2.4H_2O$

M: 245,09 CAS: 6156-78-1 EINECS: 211-334-3 NC: 2915 29 00

SPECIFICATIONS:

Minimum assay (Compl.)..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O..... 0,01 %
Chloride (Cl)..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
Ba ..... 0,01 %
Ca ..... 0,04 %
Cu ..... 0,0005 %
Fe..... 0,001 %
K ..... 0,01 %
Mg ..... 0,04 %
Na ..... 0,01 %
Ni ..... 0,0005 %
Pb ..... 0,001 %
Zn ..... 0,002 %

Order code	Package	Units/Box st.
121407.1210	500 g	6
121407.0914	5 kg	

Manganese(II) Acetate 4-hydrate PRS

$Mn(CH_3COO)_2.4H_2O$

M: 245,09 CAS: 6156-78-1 EINECS: 211-334-3 NC: 2915 29 00

SPECIFICATIONS:

Assay (Compl.) ..... 98,5 %
Insoluble matter in H_2O..... 0,025 %
Chloride (Cl)..... 0,01 %
Sulphate (SO_4) ..... 0,05 %
Fe..... 0,005 %

Order code	Package	Units/Box st.
141407.1210	500 g	6
141407.0914	5 kg	

Manganese(II) Carbonate x-hydrate PRS

$MnCO_3.xH_2O$

M: 114,95(anh) CAS: 598-62-9 EINECS: 209-942-9 NC: 2836 99 17

SPECIFICATIONS:

Assay (as Mn)(Compl.)..... 43-46 %
Insoluble matter in $HNO_3+H_2O_2$ ..... 0,05 %
Chloride (Cl)..... 0,02 %
Sulphate (SO_4) ..... 0,5 %
Cu ..... 0,01 %
Fe..... 0,01 %
Ni ..... 0,05 %
Pb ..... 0,01 %
Zn ..... 0,02 %

Order code	Package	Units/Box st.
141409.1210	500 g	6
141409.1211	1000 g	6
141409.0914	5 kg	

Manganese(II) Chloride 4-hydrate PA-ACS

$MnCl_2.4H_2O$

M: 197,91 CAS: 13446-34-9 EINECS: 231-869-6 NC: 2827 39 85

HAZARDOUS:

Xn **R: 22 S: 24**

SPECIFICATIONS:

Assay (Compl.) 98,0-101,0%
pH of 5% solution 3,5-6,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O..... 0,005 %
Oxidizing and reducing substances (as I)..... 0,0065 %
Non-precipitated substances by $S(NH_4)_2$..... 0,2 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb)..... 0,0005 %
Ca ..... 0,005 %
Cu ..... 0,0005 %
Fe..... 0,0005 %
K ..... 0,01 %
Mg ..... 0,005 %
Na ..... 0,02 %
Ni ..... 0,002 %
Pb ..... 0,0005 %
Zn ..... 0,005 %

Order code	Package	Units/Box st.
131410.1210	500 g	6
131410.1211	1000 g	6
131410.1214	5 kg	4
131410.0416	25 kg	

Manganese(II) Chloride 4-hydrate PRS

$MnCl_2.4H_2O$

M: 197,91 CAS: 13446-34-9 EINECS: 231-869-6 NC: 2827 39 85

HAZARDOUS:

Xn **R: 22 S: 24**

SPECIFICATIONS:

Assay (Compl.) ..... 98-102 %
pH of 5% solution 3,5-6,0
Insoluble matter in H_2O..... 0,025 %
Sulphate (SO_4) ..... 0,025 %
Ca ..... 0,1 %
Cu ..... 0,002 %
Fe..... 0,003 %
Pb ..... 0,002 %
Zn ..... 0,02 %

Order code	Package	Units/Box st.
141410.1210	500 g	6
141410.1211	1000 g	6
141410.1214	5 kg	4
141410.0416	25 kg	

Manganese(II) Chloride 4-hydrate (USP) CODEX

$MnCl_2.4H_2O$

M: 197,91 CAS: 13446-34-9 EINECS: 231-869-6 NC: 2827 39 85

HAZARDOUS:

Xn **R: 22 S: 24**

SPECIFICATIONS:

Assay (Compl.) calc. applied anh. subst. 98,0-101,0%
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 3,5-6,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O..... 0,005 %
Loss on drying at 150°C..... 36,0-38,5 %
Non-precipitated substances by $S(NH_4)_2$ (as SO_4)..... 0,2 %
Residual solvents (Ph.Eur./USP)..... p/t.
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb)..... 0,0005 %
Fe..... 0,0005 %
Zn ..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
191410.1211	1000 g	6
191410.0416	25 kg	

Manganese(II) Chloride 4-hydrate (F.C.C.) ADITIO

$MnCl_2.4H_2O$

M: 197,91 CAS: 13446-34-9 EINECS: 231-869-6 NC: 2827 39 85

HAZARDOUS:

Xn **R: 22 S: 24**

SPECIFICATIONS:

Assay ($MnCl_2.4H_2O$) 98,0-102,0%
pH of 5% solution 4,0-6,0
Substances not precipitated by $S(NH_4)_2$, not more than .... 0,2 %
Insoluble matter in H_2O, not more than .... 0,005 %
Heavy metals (as Pb), not more than .... 10 ppm
Iron, not more than .... 0,0005 %
Sulphate (SO_4), not more than .... 0,005 %
Lead, not more than .... 4 ppm
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201410.0416	25 kg PP	

Manganese Dioxide

(see Manganese(IV) Oxide)

Manganese(II) Lactate 3-hydrate PRS

$C_6H_{10}MnO_6.3H_2O$

M: 287,13 CAS: 6505-50-6 NC: 2918 11 00

SPECIFICATIONS:

Assay (Compl.) .... 98 %
pH of 5% solution ....≥5,2
Insoluble matter in H_2O.... 0,01 %
Chloride (Cl).... 0,05 %
Sulphate (SO_4) .... 0,05 %
Cu .... 0,005 %
Fe.... 0,01 %
Ni .... 0,005 %
Pb .... 0,005 %
Zn .... 0,1 %

Order code	Package	Units/Box st.
141412.1210	500 g P	6

Manganese(II) Nitrate 4-hydrate PA

$Mn(NO_3)_2.4H_2O$

M: 251,01 CAS: 20694-39-7 EINECS: 233-828-8 NC: 2834 29 80 UN: 2724
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

SPECIFICATIONS:

Minimum assay (Compl.).... 98 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O.... 0,005 %
Chloride (Cl).... 0,005 %
Sulphate (SO_4) .... 0,005 %
Ammonium (NH_4) .... 0,05 %
Ca .... 0,005 %
Cd .... 0,0005 %
Cu .... 0,0005 %
Fe.... 0,001 %
K .... 0,01 %
Mg .... 0,005 %
Na .... 0,05 %
Ni .... 0,002 %
Pb .... 0,001 %
Zn .... 0,005 %

Order code	Package	Units/Box st.
123224.1210	500 g P	6
123224.1214	5 kg P	4
123224.0416	25 kg PP	

Manganese(II) Nitrate 4-hydrate PRS

$Mn(NO_3)_2.4H_2O$

M: 251,01 CAS: 20694-39-7 EINECS: 233-828-8 NC: 2834 29 80 UN: 2724
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

SPECIFICATIONS:

Assay (Compl.) .... 97 %
Insoluble matter in H_2O.... 0,01 %
Chloride (Cl).... 0,005 %
Sulphate (SO_4) .... 0,005 %
Ammonium (NH_4) .... 0,1 %
Ca .... 0,005 %
Cd .... 0,002 %
Cu .... 0,002 %
Fe.... 0,005 %
K .... 0,01 %
Mg .... 0,01 %
Na .... 0,01 %
Ni .... 0,005 %
Pb .... 0,005 %
Zn .... 0,05 %

Order code	Package	Units/Box st.
143224.1210	500 g P	6
143224.1211	1000 g P	6
143224.1214	5 kg P	4
143224.0416	25 kg PP	

Manganese(II) Oxide PRS

MnO

M: 70,94 CAS: 1344-43-0 EINECS: 215-695-8 NC: 2820 90 90

HAZARDOUS:

Xn **R: 20/21/22-36/37/38 S: 26-36**

SPECIFICATIONS:

Assay (Compl.) .... 99 %
Insoluble matter in HCl.... 0,05 %
Chloride (Cl).... 0,005 %
Cd .... 0,0005 %
Cu .... 0,0005 %
Fe.... 0,01 %
K .... 0,01 %
Mg .... 0,005 %
Na .... 0,05 %
Ni .... 0,02 %
Pb .... 0,002 %
Zn .... 0,005 %

Order code	Package	Units/Box st.
144894.1211	1000 g P	6

Manganese(IV) Oxide QP

MnO_2

M: 86,94 CAS: 1313-13-9 EINECS: 215-202-6 NC: 2820 10 00 UN: 1479
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

Xn **R: 20/22 S: 25 CE: 025-001-00-3**

SPECIFICATIONS:

Assay (Perm.).... 60 %

Order code	Package	Units/Box st.
211408.1210	500 g P	6
211408.1211	1000 g P	6
211408.1214	5 kg P	4
211408.0416	25 kg PP	

Manganese(IV) Oxide precipitated PRS

MnO_2

M: 86,94 CAS: 1313-13-9 EINECS: 215-202-6 NC: 2820 10 00 UN: 1479
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

Xn **R: 20/22 S: 25 CE: 025-001-00-3**

SPECIFICATIONS:

Assay (Perm.).... 90 %
Insoluble matter in HCl.... 0,05 %
Chloride (Cl).... 0,05 %
Sulphate (SO_4) .... 0,1 %

Order code	Package	Units/Box st.
142367.1208	100 g P	6
142367.1210	500 g P	6

Manganese(II) Sulphate 1-hydrate (Reag. Ph. Eur.) PA-ACS

$MnSO_4.H_2O$

M: 169,01 CAS: 10034-96-5 EINECS: 232-089-9 NC: 2833 29 90 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

Xn N **R: 48/20/22-51/53 S: 22-61 CE: 025-003-00-4**

SPECIFICATIONS:

Assay (Compl.) 98,0-101,0%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O.... 0,005 %
Loss on ignition ....10,0-12,0 %
Reducing substances to $KMnO_4$ (as O).... 0,0005 %
Chloride (Cl).... 0,005 %
Heavy metals (as Pb).... 0,002 %
Ca .... 0,005 %
Cu .... 0,0005 %
Fe.... 0,002 %
K .... 0,01 %
Mg .... 0,005 %
Na .... 0,05 %
Ni .... 0,02 %
Pb .... 0,001 %
Zn .... 0,005 %

Order code	Package	Units/Box st.
131413.1210	500 g P	6
131413.1211	1000 g P	6
131413.1214	5 kg P	4
131413.0416	25 kg PP	

Manganese(II) Sulphate 1-hydrate (USP, BP, Ph. Eur.) PRS-CODEX

$MnSO_4.H_2O$

M: 169,01 CAS: 10034-96-5 EINECS: 232-089-9 NC: 2833 29 90 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911
HAZARDOUS:

Xn N **R: 48/20/22-51/53 S: 22-61 CE: 025-003-00-4**

SPECIFICATIONS:
Assay (Compl.) calc. a.a.s. 99,0-100,5%
Identity according to Pharmacopoeias .... p/t.
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution .... p/t.
Insoluble matter in H_2O.... 0,025 %
Loss on ignition ....10,0-12,0 %
Non-precipit. substances by $S(NH_4)_2$.... 0,5 %
Residual solvents (Ph.Eur./USP).... p/t
Chloride (Cl).... 0,0100 %
Heavy metals (as Pb).... 0,002 %
As .... 0,0004 %
Cu .... 0,003 %
Fe.... 0,0010 %
Pb .... 0,003 %
Zn .... 0,0050 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141413.1210	500 g P	6
141413.1211	1000 g P	6
141413.1214	5 kg P	4
141413.0416	25 kg PP	

Manganese(II) Sulphate 1-hydrate (F.C.C.) ADITIO

$MnSO_4.H_2O$

M: 169,01 CAS: 10034-96-5 EINECS: 232-089-9 NC: 2833 29 90 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911
HAZARDOUS:

Xn N **R: 48/20/22-51/53 S: 22-61 CE: 025-003-00-4**

SPECIFICATIONS:
Assay ($MnSO_4.H_2O$)....98,0-102,0%
Lead, not more than .... 4 ppm
Selenium, not more than .... 0,003 %
Loss on ignition ....10,0-13,0 %
Arsenic, not more than .... 3 ppm
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201413.1214	5 kg P	4
201413.0416	25 kg PP	

Manganic

(see Manganese(IV) compounds)

Manganous

(see Manganese(II) compounds)

D-Mannite

(see D-(-)-Mannitol)

D(-)-Mannitol PA-ACS

$C_6H_{14}O_6$

M: 182,17 CAS: 69-65-8 EINECS: 200-711-8 NC: 2905 43 00
SPECIFICATIONS:
Minimum assay (G.C.) .... 98,0 %
Identity....IR p/t.
Melting range.... 165-168°C
Specific rotation $[\alpha]^{20}$/D c=10 (in $B_4O_7Na_2.10H_2O$ 13%) .....+23,3 to+24,3°
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O.... 0,01 %
Loss on drying at 105°C.... 0,05 %
Residue on ignition (as SO_4) .... 0,01 %
Darkened substances by H_2SO_4 .... p/t.
Acidity.... 0,0008 meq/g
D(-)-Sorbite (G.C.).... 1 %
Reducing sugars (as $C_6H_{12}O_6$).... 0,05 %
Chloride (Cl).... 0,0025 %
Sulphate (SO_4) .... 0,005 %
Heavy metals (as Pb).... 0,0005 %
As .... 0,0001 %
Ca .... 0,001 %
Cu .... 0,0005 %
Fe.... 0,0005 %
Ni .... 0,0001 %
Pb .... 0,00005 %
Zn .... 0,0005 %

Order code	Package	Units/Box st.
132067.1210	500 g P	6
132067.1211	1000 g P	6
132067.0914	5 kg PP	

D(-)-Mannitol (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_6H_{14}O_6$

M: 182,17 CAS: 69-65-8 EINECS: 200-711-8 NC: 2905 43 00
SPECIFICATIONS:
Assay (calc. a.d.s.)....98,0-101,5%
Identity according to Pharmacopoeias .... p/t.
Melting range.... 165-168°C
Specific rotation $[\alpha]^{20}$/D c=10 (in $B_4O_7Na_2.10H_2O$ 13%) .....+23,0 to+25,0°
Specific rotation $[\alpha]^{25}$/D c=1 (in $(NH_4)_6Mo_7O_{24}.4H_2O$ 4%).....+137 to +145°
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution .... p/t.
Insoluble matter in H_2O.... 0,01 %
Conductivity at 20°C (c=20% w/v in H_2O)....20 µS.cm^{-1}
Loss on drying at 105°C.... 0,2 %
Residue on ignition (as SO_4) .... 0,1 %
Residual solvents (Ph.Eur./USP).... p/t
Darkened substances by H_2SO_4 .... p/t.
Acidity.... 0,0008 meq/g
Alkalinity .... 0,006 meq/g
D(-)-Sorbite (G.C.).... 2,0 %
Reducing sugars (as $C_6H_{12}O_6$).... 0,05 %
Water (H_2O).... 0,5 %
Related substances.... p/t.
Chloride (Cl).... 0,005 %
Sulphate (SO_4) .... 0,01 %
Heavy metals (as Pb).... 0,0005 %
As .... 0,0001 %
Ni .... 0,0001 %
Pb .... 0,00005 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142067.1210	500 g P	6
142067.1211	1000 g P	6
142067.0914	5 kg PP	

D(-)-Mannitol (E-421, F.C.C.) ADITIO

$C_6H_{14}O_6$

M: 182,17 CAS: 69-65-8 EINECS: 200-711-8 NC: 2905 43 00
SPECIFICATIONS:
Assay (as $C_6H_{14}O_6$) a.d.s....98,0-101,5%
Arsenic (as As), not more than .... 3 ppm
Chloride, not more than.... 0,007 %
Nickel, not more than .... 1 ppm
Loss on drying, not more than .... 0,3 %
pH 10% solution.... 5-7,5
Residue on ignition, not more than .... 0,1 %
Melting range.... 164-169°C
D(-)-Arabitol, not more than.... 0,3 %
Reducing sugars (as Glucose), not more than .... 0,3 %
Total sugars (as Glucose), not more than.... 1,0 %
Specific rotation $[\alpha]^{20}$/D.....+23 a +25°
Sulphate, not more than.... 0,01 %
Lead, not more than .... 1 ppm
Microbial contamination:
Mosophilic aerobic bacterias .... 10^3cfu/g
Total coliforms ....absence/10 g
Salmonella....absence/10 g
Escherichia coli ....absence/10 g
Staphylococcus aureus....absence/10 g
Pseudomonas aeruginosa....absence/10 g
Fungi.... 100 cfu/g
Yeast.... 100 cfu/g
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
202067.0914	5 kg PP	
202067.0416	25 kg	

D(+)-Mannose PB

$C_6H_{12}O_6$

M: 180,16 CAS: 3458-28-4 EINECS: 222-392-4 NC: 2940 00 00
SPECIFICATIONS:
Minimum assay .... 99 %
Identity....IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying.... 0,3 %
Residue on ignition (as SO_4) .... 0,2 %

Order code	Package	Units/Box st.
373195.1206	25 g P	6
373195.1208	100 g P	6

MATRIX MODIFIERS FOR ATOMIC ABSORPTION

Lanthanum Matrix Modifier RE

(La_2O_3 in HCl) for atomic absorption
NC: 3822 00 00
1l~1,010kg 1kg~0,990l
SPECIFICATIONS:
Metals by ICP [mg/Kg (ppm)]

Al	1	Fe	1	Pb	1
Ca	1	Mg	1	Zn	1
Cd	1	Mn	1		
Cu	1	Ni	1		

Order code	Package	Units/Box st.
176166.1208	100 ml	6

Magnesium Matrix Modifier RE

[Mg=10±0,2 g/l ($Mg(NO_3)_2.6H_2O$ in HNO_3 17%)] for atomic absorption
NC: 3822 00 00 UN: 1760
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
C
R: 34 S: 26-36
1l~1,05kg 1kg~0,95l
SPECIFICATIONS:

Ag	0,002 ppm
As	0,01 ppm
Cd	0,001 ppm
Pb	0,02 ppm
Se	0,1 ppm
Tl	0,01 ppm

Order code	Package	Units/Box st.
176170.1208	100 ml	6

Phosphate Matrix Modifier RE

($NH_4H_2PO_4$ 100±2 g/l in H_2O) for atomic absorption
$(NH_4)H_2PO_4$
M: 115,03 CAS: 7722-76-1 EINECS: 231-764-5 NC: 3105 40 00
1l~1,052kg 1kg~0,951l
SPECIFICATIONS:
Assay (as $(NH_4)H_2PO_4$) (p/v) ..... 9,8-10,2 %

Order code	Package	Units/Box st.
176169.1208	100 ml	6

Mayer's Hematoxylin solution DC

for cytology
NC: 3822 00 00
HAZARDOUS:
Xn
R: 22 S: 45
1l~1,040kg 1kg~0,961l
Composition:

Hematoxylin	1,0 g
Aluminium Potassium Sulphate 12-hydrate.	50 g
Sodium Iodate	0,2 g
Chloral hydrate	50 g
Citric Acid anhydrous	1 g
Water	1000 ml

Order code	Package	Units/Box st.
254766.1610	500 ml	6
254766.1611	1000 ml	6

May Grünwald-Giemsa, Kit of

(see: Immersion Oil. Azur-Eosin-Methylene Blue solution according to Giemsa (slow). Eosin-Methylene Blue solution according to May-Grünwald. Buffer Solution pH 7,2)

May Grünwald's solution

(see Eosin-Methylene Blue solution according to May Grünwald)

May Grünwald's stain

(see Eosin-Methylene Blue dye according to May Grünwald)

MBTFA

(see N-Methyl-Bis (Trifluoroacetamide))

Meat Extract (Ingredient) CULTIMED

Nutrient base in culture media
NC: 3504 00 00
SPECIFICATIONS:

pH of 2% solution	6,5-7
Loss on drying at 105°C	6 %
Residue on ignition (as SO_4)	16 %
Nitrogen, total	≥10 %

Order code	Package	Units/Box st.
403692.1210	500 g	6
403692.0914	5 kg	
403692.0416	25 kg	

Meat Peptone (Ingredient) CULTIMED

Source of nitrogen for culture media
NC: 3504 00 00
SPECIFICATIONS:

pH of 2% solution	6,5-7,5
Loss on drying at 105°C	6 %
Residue on ignition (as SO_4)	15 %
Total Nitrogen	≥10 %

Order code	Package	Units/Box st.
403683.1210	500 g	6
403683.0914	5 kg	
403683.0416	25 kg	

Medium (prepared for Microbiology)

(see chapter CULTIMED products)

Melitose

(see D(+)-Raffinose 5-hydrate)

Menadione Sodium Disulphite 3-hydrate, 95% PS

$C_{11}H_8NaO_5S \cdot 3H_2O$
M: 330,28 CAS: 57414-02-5 NC: 2914 39 00
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
SPECIFICATIONS:

Assay	95 %
Identity	IR p/t.

Order code	Package	Units/Box st.
15B481.1208	100 g	6

L(-)-Menthol (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_{10}H_{20}O$
M: 156,27 CAS: 2216-51-5 EINECS: 218-690-9 NC: 2906 11 00
HAZARDOUS:
Xi
R: 36
SPECIFICATIONS:

Minimum assay (G.C.)	99,0 %
Identity according to Pharmacopoeias	p/t.
Melting range	41-44°C
Specific rotation $[\alpha]^{20}/D$ c=10 (in C_2H_5OH)	-48 to -51°

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution	p/t.
Insoluble matter in C_2H_5OH	p/t.
Non-volatile matter	0,05 %
Residual solvents (Ph.Eur./USP)	p/t.
Related substances	p/t.
Acidity or alkalinity	p/t.

Complies USP 29 specifications

Order code	Package	Units/Box st.
142961.1608	100 g	6
142961.1610	500 g	6

L(-)-Menthol, 99% PS

$C_{10}H_{20}O$
M: 156,27 CAS: 2216-51-5 EINECS: 218-690-9 NC: 2906 11 00
HAZARDOUS:
Xi
R: 36
SPECIFICATIONS:

Minimum assay (G.C.)	99 %
Identity	IR p/t.
Melting range	41-44°C

Order code	Package	Units/Box st.
152961.1608	100 g	6
152961.1610	500 g	6

Merbromin

(see Mercurydibromofluoroescein)

Mercaptoacetic Acid

(see Thioglycolic Acid 80%)

4-Mercaptofluorobenzene
(see 4-Fluorothiophenol)

Mercapturic Acid
(see N-Acetyl-L-Cysteine)

Mercuric
(see Mercury(II) compounds)

Mercurochrome
(see Mercurydibromofluoroescein)

Mercurous
(see Mercury(I) compounds)

Mercury metal tridistilled (Reag. Ph. Eur.) PA-ACS
for polarography
Hg
M: 200,59 CAS: 7439-97-6 EINECS: 231-106-7 NC: 2805 40 90 UN: 2809
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 803 CAO: 803
HAZARDOUS:
T N
R: 23-33-50/53 S: 7-45-60-61 CE: 080-001-00-0
1l~13,534kg 1kg~0,074l
SPECIFICATIONS:
Appearance ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in HNO_3 ..... 0,002 %
Residue after reduction ..... 0,002 %
Non-volatile matter ..... 0,0005 %
Metals by ICP [mg/Kg (ppm)]

Ag	0,5	Fe	0,5	Pt	0,1
Al	1	Ga	0,1	Sb	1
Au	0,1	Ge	0,1	Se	0,1
B	0,1	In	0,1	Sn	0,1
Ba	1	K	2	Sr	0,1
Be	0,1	Li	0,1	Ti	0,1
Bi	0,1	Mg	0,5	Tl	0,1
Ca	5	Mn	0,1	V	0,1
Cd	0,1	Mo	0,1	Zn	0,5
Co	0,1	Na	5	Zr	0,1
Cr	0,1	Ni	0,1		
Cu	0,1	Pb	0,1		

Order code	Package	Units/Box st.
131421.2209	250 g	6
131421.2211	1000 g	6

Mercury metal PRS
Hg
M: 200,59 CAS: 7439-97-6 EINECS: 231-106-7 NC: 2805 40 90 UN: 2809
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 803 CAO: 803
HAZARDOUS:
T N
R: 23-33-50/53 S: 7-45-60-61 CE: 080-001-00-0
1l~13,534kg 1kg~0,074l
SPECIFICATIONS:
Residue after reduction ..... 0,05 %

Order code	Package	Units/Box st.
141421.2208	100 g	6
141421.2209	250 g	6
141421.2211	1000 g	6
141421.2214	5 kg	4

MERCURY SOLUTIONS
(see Standards for Atomic Absorption and ICP)

Mercury Absorbent RE
NC: 3822 00 00 UN: 1759
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:
C N
R: 34-50/53 S: 26-45-60-61
SPECIFICATIONS:
Suitability as mercury absorbent ..... p/t.

Order code	Package	Units/Box st.
175126.1210	500 g	6

Mercury(II) Acetate (Reag. Ph. Eur.) PA-ACS
$Hg(CH_3COO)_2$
M: 318,68 CAS: 1600-27-7 EINECS: 216-491-1 NC: 2915 29 00 UN: 1629
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T+ N
R: 26/27/28-33-50/53 S: 13-28a-36-45-60-61
CE: 080-004-00-7
SPECIFICATIONS:
Minimum assay ..... 99,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,01 %
Residue after reduction ..... 0,02 %
Chloride (Cl) ..... 0,005 %
Nitrate (NO_3) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
Other heavy metals (as Pb) ..... 0,002 %
Ag ..... 0,0005 %
Cd ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
Hg (I) ..... 0,4 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,001 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131417.1208	100 g	6
131417.1209	250 g	6
131417.1211	1000 g	6
131417.1214	5 kg	4

Mercury(II) Acetate PRS
$Hg(CH_3COO)_2$
M: 318,68 CAS: 1600-27-7 EINECS: 216-491-1 NC: 2915 29 00 UN: 1629
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T+ N
R: 26/27/28-33-50/53 S: 13-28a-36-45-60-61
CE: 080-004-00-7
SPECIFICATIONS:
Assay (Compl.) ..... 98 %
Insoluble matter in H_2O ..... 0,05 %
Chloride (Cl) ..... 0,025 %
Sulphate (SO_4) ..... 0,02 %
Cu ..... 0,005 %
Fe ..... 0,005 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
141417.1208	100 g	6
141417.1209	250 g	6
141417.1211	1000 g	6
141417.1214	5 kg	4

Mercury(II) Bromide (Reag. Ph. Eur.) PA-ACS
$HgBr_2$
M: 360,41 CAS: 7789-47-1 EINECS: 232-169-3 NC: 2827 59 00 UN: 1634
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T+ N
R: 26/27/28-33-50/53 S: 13-28a-45-60-61
CE: 080-002-00-6
SPECIFICATIONS:
Minimum assay (Comp.) ..... 99,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in CH_3OH ..... 0,05 %
Residue after reduction ..... 0,02 %
Chloride (Cl) ..... 0,25 %

Order code	Package	Units/Box st.
131418.1208	100 g	6
131418.1209	250 g	6

Mercury(II) Bromide PRS
$HgBr_2$
M: 360,41 CAS: 7789-47-1 EINECS: 232-169-3 NC: 2827 59 00 UN: 1634
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T+ N
R: 26/27/28-33-50/53 S: 13-28a-45-60-61
CE: 080-002-00-6
SPECIFICATIONS:
Assay (Compl.) ..... 98 %
Insoluble matter in CH_3OH ..... 0,1 %
Residue on ignition (as SO_4) ..... 0,1 %

Order code	Package	Units/Box st.
141418.1208	100 g	6
141418.1209	250 g	6

Mercury(II) Chloride PA-ACS

$HgCl_2$

M: 271,50 CAS: 7487-94-7 EINECS: 231-299-8 NC: 2827 39 85 UN: 1624
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

R: 28-34-48/24/25-50/53 S: 36/37/39-45-60-61 CE: 080-010-00-X
SPECIFICATIONS:
Minimum assay (Compl.) ..... 99,5 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,01 %
Insoluble matter in $C_2H_5OC_2H_5$ ..... 0,01 %
Residue after reduction ..... 0,02 %
Nitrate (NO_3) ..... 0,0005 %
Cu ..... 0,001 %
Fe ..... 0,002 %
K ..... 0,005 %
Mg ..... 0,001 %
Na ..... 0,005 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
131419.1208	100 g	6
131419.1209	250 g	6
131419.1211	1000 g	6
131419.1214	5 kg	4

Mercury(II) Chloride PRS

$HgCl_2$

M: 271,50 CAS: 7487-94-7 EINECS: 231-299-8 NC: 2827 39 85 UN: 1624
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

R: 28-34-48/24/25-50/53 S: 36/37/39-45-60-61 CE: 080-010-00-X
SPECIFICATIONS:
Assay (Compl.) ..... 99 %
Insoluble matter in H_2O ..... 0,025 %
Residue after reduction ..... 0,2 %
Nitrate (NO_3) ..... 0,005 %
Cu ..... 0,002 %
Fe ..... 0,005 %
Mg ..... 0,005 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141419.1208	100 g	6
141419.1209	250 g	6
141419.1211	1000 g	6
141419.1214	5 kg	6

Mercurydibromofluoroescein PRS

$C_{20}H_8Br_2HgNa_2O_6$

M: 750,70 CAS: 129-16-8 EINECS: 204-933-6 NC: 3204 12 00 UN: 2811
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

R: 26/27/28-33-50/53 S: 13-28a-36-45-60-61
CE: 080-004-00-7
SPECIFICATIONS:
Insoluble matter in H_2O ..... 0,5 %
Chloride (Cl) ..... 0,1 %
Sulphate (SO_4) ..... 0,1 %
Cu ..... 0,005 %
Fe ..... 0,01 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
142395.1608	100 g	6
142395.1610	500 g	6
142395.1214	5 kg	4

Mercury(II) Iodide red (Reag. Ph. Eur.) PA-ACS

HgI_2

M: 454,40 CAS: 7774-29-0 EINECS: 231-873-8 NC: 2827 60 00 UN: 1638
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

R: 26/27/28-33-50/53 S: 13-28a-45-60-61
CE: 080-002-00-6
SPECIFICATIONS:
Minimum assay cal. a.d.s ..... 99,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in IK ..... p/t.
Residue on ignition (as SO_4) ..... 0,05 %
Soluble mercury salts (as Hg) ..... 0,05 %
Cu ..... 0,001 %
Hg(I) ..... 0,1 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
131428.1208	100 g	6

Mercury(II) Iodide red PA

HgI_2

M: 454,40 CAS: 7774-29-0 EINECS: 231-873-8 NC: 2827 60 00 UN: 1638
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

R: 26/27/28-33-50/53 S: 13-28a-45-60-61
CE: 080-002-00-6
SPECIFICATIONS:
Minimum assay (Arg.) ..... 99 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in IK ..... p/t.
Residue on ignition (as SO_4) ..... 0,05 %
Soluble mercury salts (as Hg) ..... 0,05 %
Cu ..... 0,001 %
Hg(I) ..... 0,1 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
121428.1208	100 g	6
121428.1209	250 g	6
121428.1211	1000 g	6
121428.1214	5 kg	6

Mercury(I) Nitrate 2-hydrate (ACS IX) PA-ACS

$Hg_2(NO_3)_2.2H_2O$

M: 561,22 CAS: 7782-86-7 EINECS: 233-886-4 NC: 2834 29 80 UN: 1627
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

R: 26/27/28-33-50/53 S: 13-28a-45-60-61
CE: 080-002-00-6
SPECIFICATIONS:
Minimum assay ..... 98,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in HNO_3 ..... 0,005 %
Residue after reduction ..... 0,01 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,002 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
Hg(II) ..... 0,5 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131423.1208	100 g	6
131423.1209	250 g	6
131423.1214	5 kg	6

Mercury(I) Nitrate 2-hydrate PRS

$Hg_2(NO_3)_2.2H_2O$

M: 561,22 CAS: 7782-86-7 EINECS: 233-886-4 NC: 2834 29 80 UN: 1627
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T+ N
R: 26/27/28-33-50/53 S: 13-28a-45-60-61
CE: 080-002-00-6
SPECIFICATIONS:

Assay	97 %
Residue after reduction	0,05 %
Chloride (Cl)	0,02 %
Sulphate (SO_4)	0,02 %
Cu	0,002 %
Fe	0,002 %
Hg(II)	2 %
Ni	0,002 %
Pb	0,002 %

Order code	Package	Units/Box st.
141423.1208	100 g	6
141423.1209	250 g	6
141423.1214	5 kg	6

MERCURY(II) NITRATE SOLUTIONS

Mercury(II) Nitrate solution 2% w/v RE

EINECS: 233-152-3 NC: 2834 29 80 UN: 2024
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 617 CAO: 612
HAZARDOUS:
T
R: 23/24/25-33-52/53 S: 13-28a-45-60-61 CE: 080-002-00-6
1l~1,016kg 1kg~0,984l
Composition:

Mercury(II) Oxide yellow	1,32 g
Nitric Acid 60%	1,5 ml
Water s.q.m	100 ml

Order code	Package	Units/Box st.
171422.1609	250 ml	6

Mercury(II) Nitrate 0,005 mol/l (0,01N) DC

for determination of chloride, according to Schales and Schales
$Hg(NO_3)_2$

M: 324,63 CAS: 10045-94-0 EINECS: 233-152-3 NC: 2834 29 80 UN: 2024
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 617 CAO: 612
HAZARDOUS:
Xn
R: 20/21/22-33 S: 13-28a-45-60-61 CE: 080-002-00-6
1l~1,001kg 1kg~0,999l
SPECIFICATIONS:

Titer	1,000 ±0,001

Order code	Package	Units/Box st.
252138.1611	1000 ml	6

Mercury(II) Nitrate 0,005 mol/l (0,01N) SV

Indicator: Diphenylcarbazone mixed
$Hg(NO_3)_2$

M: 324,63 CAS: 10045-94-0 EINECS: 233-152-3 NC: 2834 29 80 UN: 2024
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 617 CAO: 612
HAZARDOUS:
Xn
R: 20/21/22-33 S: 13-28a-45-60-61 CE: 080-002-00-6
1l~1,001kg 1kg~0,999l
SPECIFICATIONS:

Titer	1,000 ±0,001

Order code	Package	Units/Box st.
182138.1611	1000 ml	6

Mercury(II) Nitrate 0,01 mol/l (0,02N) SV

Indicator: Diphenylcarbazone mixed
$Hg(NO_3)_2$

M: 324,63 CAS: 10045-94-0 EINECS: 233-152-3 NC: 2834 29 80 UN: 2024
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 617 CAO: 612
HAZARDOUS:
Xn
R: 20/21/22-33-52/53 S: 13-28a-45-60-61 CE: 080-002-00-6
1l~1,007kg 1kg~0,993l
SPECIFICATIONS:

Titer	1,000 ±0,001

Order code	Package	Units/Box st.
181425.1611	1000 ml	6

Mercury(II) Nitrate 0,05 mol/l (0,1N) SV

Indicator: Diphenylcarbazone mixed
$Hg(NO_3)_2$

M: 324,63 CAS: 10045-94-0 EINECS: 233-152-3 NC: 2834 29 80 UN: 2024
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 617 CAO: 612
HAZARDOUS:
T
R: 23/24/25-33-52/53 S: 13-28a-45-60-61 CE: 080-002-00-6
1l~1,014kg 1kg~0,986l
SPECIFICATIONS:

Titer	1,000±0,001

Order code	Package	Units/Box st.
181424.1611	1000 ml	6

Mercury(II) Oxide yellow (Reag. Ph. Eur.) PA-ACS

HgO

M: 216,59 CAS: 21908-53-2 EINECS: 244-654-7 NC: 2825 90 80 UN: 1641
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T+ N
R: 26/27/28-33-50/53 S: 13-28a-45-60-61
CE: 080-002-00-6
SPECIFICATIONS:

Minimum assay (Compl.)	99,0 %
MAXIMUM LIMIT OF IMPURITIES	
Insoluble matter in HCl	0,03 %
Residue on ignition (as SO_4)	0,05 %
Residue after reduction	0,05 %
Nitrogen compounds (as N)	0,005 %
Chloride (Cl)	0,025 %
Sulphate (SO_4)	0,01 %
Cd	0,001 %
Cu	0,001 %
Fe	0,003 %
Ni	0,001 %
Pb	0,001 %
Zn	0,001 %

Order code	Package	Units/Box st.
131426.1208	100 g	6
131426.1209	250 g	6
131426.1214	5 kg	6

Mercury(II) Oxide yellow PRS

HgO

M: 216,59 CAS: 21908-53-2 EINECS: 244-654-7 NC: 2825 90 80 UN: 1641
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T+ N
R: 26/27/28-33-50/53 S: 13-28a-45-60-61
CE: 080-002-00-6
SPECIFICATIONS:

Assay (Compl.)	98,5 %
Insoluble matter in HCl	0,05 %
Nitrogen compounds (as N)	0,01 %
Chloride (Cl)	0,05 %
Sulphate (SO_4)	0,025 %
Cu	0,005 %
Fe	0,005 %
Ni	0,005 %
Pb	0,005 %

Order code	Package	Units/Box st.
141426.1208	100 g	6
141426.1209	250 g	6
141426.1211	1000 g	6

Mercury(II) Oxide red PRS

HgO

M: 216,59 CAS: 21908-53-2 EINECS: 244-654-7 NC: 2825 90 80 UN: 1641
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T+ N
R: 26/27/28-33-50/53 S: 13-28a-45-60-61
CE: 080-002-00-6
SPECIFICATIONS:

Assay (Compl.)	98,5 %
Insoluble matter in HCl	0,3 %
Nitrogen compounds (as N)	0,01 %
Chloride (Cl)	0,1 %
Sulphate (SO_4)	0,05 %
Cu	0,005 %
Fe	0,005 %
Ni	0,005 %
Pb	0,005 %

Order code	Package	Units/Box st.
141427.1208	100 g	6
141427.1209	250 g	6
141427.1211	1000 g	6
141427.1214	5 kg	6

Mercury(II) Rhodanide
(see Mercury(II) Thiocyanate)

Mercury Spillage Kit RE
NC: 3822 00 00 UN: 1759
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:
C N
R: 34-50/53 S: 26-45-60-61
Comprised of:
1x100g Mercury Absorbent
1 Cardboard box containing 6 plastic gloves
1 Instructions sheet
1x100ml Flask
1x60ml Flask
1 Shovel
1 Brush
3x3ml Pasteur pipettes

Order code	Package	Units/Box st.
175677.1122	pack	6

Mercury(II) Sulphate PA-ACS
for determination of COD
$HgSO_4$
M: 296,65 CAS: 7783-35-9 EINECS: 231-992-5 NC: 2833 29 90 UN: 1645
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T+ N
R: 26/27/28-33-50/53 S: 13-28a-45-60-61
CE: 080-002-00-6
SPECIFICATIONS:
Minimum assay ..... 99 %
MAXIMUM LIMIT OF IMPURITIES
Residue after reduction ..... 0,02 %
Suitability for determination of COD according to UNE 77-004-02 ..... p/t.
Chloride (Cl) ..... 0,003 %
Nitrate (NO_3) ..... p/t.
Cd ..... 0,001 %
Cu ..... 0,001 %
Fe ..... 0,003 %
Hg(I) ..... 0,15 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Zn ..... 0,001 %

Order code	Package	Units/Box st.
132166.1208	100 g	6
132166.1209	250 g	6
132166.1211	1000 g	6

Mercury(II) Sulphate PRS
$HgSO_4$
M: 296,65 CAS: 7783-35-9 EINECS: 231-992-5 NC: 2833 29 90 UN: 1645
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T+ N
R: 26/27/28-33-50/53 S: 13-28a-45-60-61 CE: 080-002-00-6
SPECIFICATIONS:
Assay (Compl.) ..... 98 %
Insoluble matter in H_2SO_4 ..... 0,01 %
Chloride (Cl) ..... 0,01 %
Cu ..... 0,005 %
Fe ..... 0,005 %
Hg(I) ..... 0,2 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
142166.1208	100 g	6
142166.1209	250 g	6
142166.1211	1000 g	6
142166.1214	5 kg	6

Mercury(II) Sulphate solution 80 g/l
(see Potassium Dichromate 0,04 mol/l with 80 g/l of Mercury(II) Sulphate)

Mercury(II) Sulphate sol. 200 g/l in diluted sulphuric acid RV
for determ. of COD acc. DIN 38 409-H
NC: 3822 00 00 UN: 2024
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 617 CAO: 612
HAZARDOUS:
T+ C N
R: 26/27/28-33-51-36/38 S: 13-28a-45-60-61-26
1l~1,295kg 1kg~0,772l
SPECIFICATIONS:
Suitability for determination of COD according to DIN 38 409-H ..... p/t.

Order code	Package	Units/Box st.
284289.1611	1000 ml	6

Mercury(II) Sulphocyanate
(see Mercury(II) Thiocyanate)

Mercury(II) Sulphocyanide
(see Mercury(II) Thiocyanate)

Mercury(II) Thiocyanate (Reag. USP, Ph. Eur.) PA
$Hg(SCN)_2$
M: 316,75 CAS: 592-85-8 EINECS: 209-773-0 NC: 2852 00 00 UN: 1646
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T+ N
R: 26/27/28-33-50/53 S: 13-28a-45-60-61
CE: 080-002-00-6
SPECIFICATIONS:
Minimum assay (Compl.) ..... 99,0 %
MAXIMUM LIMIT OF IMPURITIES
Residue on ignition ..... 0,05 %
Sulphate (SO_4) ..... 0,01 %

Order code	Package	Units/Box st.
121092.1208	100 g	6
121092.1209	250 g	6

MES
(see 2-Morpholinoethanesulphonic Acid 1-hydrate)

Metanil Yellow (C.I. 13065) PA
pH indicator 1,2 red; 2,8 yellow
$C_{18}H_{14}N_3NaO_3S$
M: 375,38 CAS: 587-98-4 EINECS: 209-608-2 NC: 3204 16 00
SPECIFICATIONS:
Identity ..... IR p/t.
λ of max. ABS in NaOH 0,1 mol/l ..... 433-439 nm
A 1%, 1 cm, λmax ..... >450
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
pH transition interval:
Red 1,2
Yellow 2,8
Insoluble matter in H_2O ..... p/t.
Loss on drying at 135°C ..... 5 %

Order code	Package	Units/Box st.
121107.1605	10 g	6

Methanamide
(see Formamide)

Methanesulphonic Acid 70% w/w PS
CH_4O_3S
M: 96,11 CAS: 75-75-2 EINECS: 200-898-6 NC: 2904 10 00 UN: 2586
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
C
R: 34 S: 26-36-45 CE: 607-145-00-4
1l~1,353kg 1kg~0,739l
SPECIFICATIONS:
Minimum assay (Acidim.) ..... 69 %
Density at 20/4 1,345-1,360

Order code	Package	Units/Box st.
15A687.1609	250 ml	6
15A687.1611	1000 ml	6

Methanol (HPLC-hypergradient grade) HIPERPUR

CH_3OH

M: 32,04 CAS: 67-56-1 EINECS: 200-659-6 NC: 2905 11 00 UN: 1230
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45
CE: 603-001-00-X
1l~0,792kg 1kg~1,263l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0001 %
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,02 %
Suitability for PAH analysis ..... p/t.
Gradient:

λ(nm)	220	235	254
A (mAU)	5	2	1

UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	210	220	230	260-400
A (AU)	0,456	0,155	0,081	0,009
T (%)	35	60	75	98

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.

Order code	Package	Units/Box st.
721091.1611	1000 ml	6
721091.1612	2,5 l	4

Methanol (HPLC-gradient grade) PAI-ACS

CH_3OH

M: 32,04 CAS: 67-56-1 EINECS: 200-659-6 NC: 2905 11 00 UN: 1230
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45
CE: 603-001-00-X
1l~0,792kg 1kg~1,263l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Identity ..... IR p/t.
Density at 20/4 0,791-0,792
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,0003 %
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,03 %
Reducing substances to $KMnO_4$ ..... p/t.
Darkened substances by H_2SO_4 ..... p/t.
Carbonyl compounds (as CH_3COCH_3) ..... 0,001 %
Suitability for gradient acc. to ACS ..... p/t.
Gradient:

λ(nm)	235	254
A (mAU)	2	1

UV Spectrum (1cm cell; Ref.: water)

λ (nm)	205 (Cut off)	220	235	240	260-400
A (AU)	1,000	0,260	0,081	0,046	0,009
T (%)	10	55	83	90	98

Fluorescence (as quinine):

λ (nm)	254	365
ppb	1,0	0,5

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider polarity 5,1
Eluotropic value E°(Al_2O_3) 0,95
Sol. H_2O in solv. at 20°C ..... miscible

Order code	Package	Units/Box st.
221091.1611	1000 ml	6
221091.1612	2,5 l	4
221091.1646	4 l	4
221091.0314	5 l	4
221091.0515	10 l	
221091.0516	25 l	
221091.0537	30 l	

Methanol (UV-IR-HPLC-HPLC isocratic) PAI-ACS

CH_3OH

M: 32,04 CAS: 67-56-1 EINECS: 200-659-6 NC: 2905 11 00 UN: 1230
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45
CE: 603-001-00-X
1l~0,792kg 1kg~1,263l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Density at 20/4 0,791-0,792
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,0003 %
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,03 %
Reducing substances to $KMnO_4$ ..... p/t.
Darkened substances by H_2SO_4 ..... p/t.
Carbonyl compounds (as CH_3COCH_3) ..... 0,001 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	205 (Cut off)	210	220	230	240	260-400
A (AU)	1,000	0,699	0,301	0,097	0,046	0,009
T (%)	10	20	50	80	90	98

Fluorescence (as quinine):

λ (nm)	254	365
ppb	1	1

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361091.1611	1000 ml	6
361091.1612	2,5 l	4
361091.1646	4 l	4
361091.0314	5 l	4
361091.0515	10 l	
361091.1616	25 l	
361091.0537	30 l	

Methanol (HPLC-preparative) PAI

CH_3OH

M: 32,04 CAS: 67-56-1 EINECS: 200-659-6 NC: 2905 11 00 UN: 1230
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45
CE: 603-001-00-X
1l~0,792kg 1kg~1,263l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,8 %
Identity ..... IR p/t.
Density at 20/4 0,791-0,792
MAXIMUM LIMIT OF IMPURITIES
Non-volatile matter ..... 0,0005 %
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,05 %
UV Spectrum (1cm cell; Ref.: water)

λ (nm)	205 (Cut off)	210	225	240	260-400
A (AU)	1,000	0,699	0,301	0,046	0,009
T (%)	10	20	50	90	98

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
261091.0314	5 l	4

Methanol (LC-MS) PAI

CH_3OH

M: 32,04 CAS: 67-56-1 EINECS: 200-659-6 NC: 2905 11 00 UN: 1230
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F T **R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45**
CE: 603-001-00-X
1l~0,792kg 1kg~1,263l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Identity ..... IR p/t.
Density at 20/4 0,791-0,792
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0003 %
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,02 %
Suitability for LC-MS ..... p/t.
Gradient:

λ(nm)	235	254
A (mAU)	2	1

UV Spectrum (1cm cell; Ref.: water)

λ (nm)	210	220	235	240	260-400
A (AU)	0,523	0,260	0,081	0,046	0,009
T (%)	30	55	83	90	98

Fluorescence (as quinine):

λ (nm)	254	365
ppb	1,0	0,5

Metals [in mg/Kg (ppm)]

Ag	0,05	Cr	0,02	Na	0,1
Al	0,5	Cu	0,01	Ni	0,02
Ba	0,1	Fe	0,1	Pb	0,02
Ca	0,01	K	0,1	Sn	0,1
Cd	0,05	Mg	0,1	Zn	0,1
Co	0,02	Mn	0,01		

Microfiltered product (0,2 µm) and bottled under argon atmosphere.

Order code	Package	Units/Box st.
701091.1611	1000 ml	6
701091.1612	2,5 l	4

Methanol (PAR) PAI

CH_3OH

M: 32,04 CAS: 67-56-1 EINECS: 200-659-6 NC: 2905 11 00 UN: 1230
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F T **R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45**
CE: 603-001-00-X
1l~0,792kg 1kg~1,263l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Identity ..... IR p/t.
Density at 20/4 0,791-0,792
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0005 %
Acidity ..... 0,0003 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,05 %
Signal ECD of pesticide (Lindane to DDT) (as Lindane) ..... 5 ng/l
Signal PND of pesticide (Ethylparathion to Coumaphos)
(as Ethylparathion) ..... 5 ng/l
Signal FID of 2-Octanol to Tetradecanol (as 2-Octanol) ..... p/t.

Order code	Package	Units/Box st.
321091.1611	1000 ml	6
321091.1612	2,5 l	4
321091.1646	4 l	4

Methanol dry (max. 0,005% water) DS-ACS-ISO

CH_3OH

M: 32,04 CAS: 67-56-1 EINECS: 200-659-6 NC: 2905 11 00 UN: 1230
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F T **R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45**
CE: 603-001-00-X
1l~0,792kg 1kg~1,263l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,8 %
Identity ..... IR p/t.
Density at 20/4 0,791-0,792
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,001 %
Acetone (G.C.) ..... 0,001 %
Ethanol (G.C.) ..... 0,05 %
2-Propanol (G.C.) ..... 0,01 %
Reducing substances to $KMnO_4$ (as O) ..... 0,00025 %
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,0003 meq/g
Alkalinity ..... 0,0002 meq/g
Carbonyl compounds (as CH_3COCH_3) ..... 0,005 %
Acetaldehyde (CH_3CHO) ..... 0,001 %
Formaldehyde (HCHO) ..... 0,001 %
Water (H_2O) ..... 0,005 %
Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
481091.1611	1000 ml	6

Aquametric

Reactivos de Karl Fischer exentos de piridina
Karl Fischer reagents pyridine free
Réactifs de Karl Fischer sans pyridine

Methanol (Reag. Ph. Eur.) PA-ACS-ISO

CH_3OH

M: 32,04 CAS: 67-56-1 EINECS: 200-659-6 NC: 2905 11 00 UN: 1230
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F T **R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45**
CE: 603-001-00-X
1l~0,792kg 1kg~1,263l
SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,8 %
Identity ..... IR p/t.
Density at 20/4 0,791-0,792

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,001 %
Acetone (G.C.) ..... 0,001 %
Ethanol (G.C.) ..... 0,005 %
2-Propanol (G.C.) ..... 0,01 %
Reducing substances to $KMnO_4$ (as O) ..... 0,00025 %
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,0003 meq/g
Alkalinity ..... 0,0002 meq/g
Carbonyl compounds (as CH_3COCH_3) ..... 0,005 %
Acetaldehyde (CH_3CHO) ..... 0,001 %
Formaldehyde (HCHO) ..... 0,001 %
Water (H_2O) ..... 0,05 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131091.1611	1000 ml	6
131091.1211	1000 ml	6
131091.1612	2,5 l	4
131091.1212	2,5 l	4
131091.1214	5 l	4
131091.0716	25 l	
131091.0718	60 l	
131091.0719	200 l	

Methanol (USP-NF, BP, Ph. Eur.) PRS-CODEX

CH_3OH

M: 32,04 CAS: 67-56-1 EINECS: 200-659-6 NC: 2905 11 00 UN: 1230
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F T **R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45**
CE: 603-001-00-X
1l~0,792kg 1kg~1,263l
SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity according to Pharmacopoeias ..... p/t.
Density at 20/20 0,791-0,793
Refractive index n^{20}/D 1,328-1,330

MAXIMUM LIMIT OF IMPURITIES

Clarity and colour ..... p/t.
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,001 %
Acetone (G.C.) ..... 0,002 %
Benzene (G.C.) (v/v) ..... 0,0002 %
Ethanol (G.C.) ..... 0,1 %
Reducing substances to $KMnO_4$ (as O) ..... 0,0005 %
Darkened substances by H_2SO_4 ..... p/t.
Related substances (G.C.):
Individual impurity ..... 0,1 %
Total impurities ..... 0,3 %
Acidity (as CH_3COOH) ..... 0,003 %
Alkalinity (as NH_3) ..... 0,0003 %
Acetone and aldehydes (as CH_3COCH_3) ..... 0,002 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Water (H_2O) ..... 0,1 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %
UV Spectrum:

λ (nm)	230	250	270	290
A (AU)	0,15	0,05	0,02	0,01

Complies USP 29 specifications

Order code	Package	Units/Box st.
141091.1211	1000 ml	6
141091.1212	2,5 l	4
141091.1214	5 l	4
141091.0716	25 l	
141091.0718	60 l	
141091.0719	200 l	

Methanol (F.C.C.) ADITIO

extraction solvent for industrial food use
CH_3OH

M: 32,04 CAS: 67-56-1 EINECS: 200-659-6 NC: 2905 11 00 UN: 1230
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F T **R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45**
CE: 603-001-00-X
1l~0,792kg 1kg~1,263l
SPECIFICATIONS:

Assay (in CH_3OH), not less than ..... 99,85 %
Acetone and aldehydes, not more than ..... 0,003 %
Acidity (as formic acid), not more than ..... 0,0015 %
Alkalinity (as NH_3), not more than ..... 3 ppm
Distillation range (including 64,6° +/-0,1°C) ..... 1°C
Non-volatile residue, not more than ..... 10 ppm
Solubility in water ..... p/t.
Easily carbonizable substances ..... p/t.
Substances reducing to $KMnO_4$ ..... p/t.
Water, not more than ..... 0,1 %
Arsenic, not more than ..... 1 ppm
Lead, not more than ..... 1 ppm
Specifications Dir. 92/115/CEE, F.C.C. 6

Order code	Package	Units/Box st.
201091.1214	5 l	4
201091.0716	25 l	

PAI
PAR

Disolventes de alta pureza para el análisis de residuos de pesticidas
High purity solvents for pesticide residues analysis
Solvants de grande pureté pour l'analyse de résidus de pesticides

Methanol BS

for synthesis of peptides
CH_3OH
M: 32,04 CAS: 67-56-1 EINECS: 200-659-6 NC: 2905 11 00 UN: 1230
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45
CE: 603-001-00-X
1l~0,792kg 1kg~1,263l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,791-0,792
Non-volatile matter ..... 0,002 %
Amines (as CH_3HN_2) ..... 0,0001 %
Formaldehyde ..... 0,0001 %
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
731091.1611	1000 ml	6
731091.1612	2,5 l	4

Methanol, 99,5% PS

CH_3OH
M: 32,04 CAS: 67-56-1 EINECS: 200-659-6 NC: 2905 11 00 UN: 1230
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45
CE: 603-001-00-X
1l~0,792kg 1kg~1,263l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,791-0,792
Non-volatile matter ..... 0,002 %
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
161091.1211	1000 ml	6
161091.1212	2,5 l	4
161091.1714	5 l	4
161091.0616	25 l	
161091.0619	200 l	

Methanol according to Karl Fischer RE

for aquametry
CH_3OH
M: 32,04 CAS: 67-56-1 EINECS: 200-659-6 NC: 2905 11 00 UN: 1230
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45
CE: 603-001-00-X
1l~0,792kg 1kg~1,263l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Density at 20/4 0,791-0,792
MAXIMUM LIMIT OF IMPURITIES
Water (H_2O) ..... 0,01 %

Order code	Package	Units/Box st.
171091.1611	1000 ml	6
171091.1612	2,5 l	4
171091.0616	25 l	

Methanol-D4 deuteration degree min. 99,95% (NMR) PAI

CD_3OD
M: 36,07 CAS: 811-98-3 EINECS: 212-378-6 NC: 2845 90 10 UN: 1230
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45
1l~0,89kg 1kg~1,12l
SPECIFICATIONS:
Deuteration degree min. ..... 99,95 %
NMR suitability ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Water (H_2O+D_2O) ..... 0,02 %

Order code	Package	Units/Box st.
745858.02130	10 x 0,75 ml	6
745858.1605	10 ml	6

Methanol-D4 deuteration degree min. 99,8% (NMR) PAI

CD_3OD
M: 36,07 CAS: 811-98-3 EINECS: 212-378-6 NC: 2845 90 10 UN: 1230
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45
1l~0,89kg 1kg~1,12l
SPECIFICATIONS:
Deuteration degree min. ..... 99,8 %
NMR suitability ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Water (H_2O+D_2O) ..... 0,03 %

Order code	Package	Units/Box st.
745857.02130	10 x 0,75 ml	6
745857.1905	vial with septum 10 ml	6
745857.1606	25 ml	6

Methanol-D4 deuteration degree min. 99,5% (NMR) PAI

CD_3OD
M: 36,07 CAS: 811-98-3 EINECS: 212-378-6 NC: 2845 90 10 UN: 1230
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45
1l~0,89kg 1kg~1,12l
SPECIFICATIONS:
Deuteration degree min. ..... 99,5 %
NMR suitability ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Water (H_2O+D_2O) ..... 0,05 %

Order code	Package	Units/Box st.
745856.1905	vial with septum 10 ml	6

Methenamine

(see Hexamethylenetetramine)

DL-Methionine (BP, Ph. Eur.) PRS-CODEX

$C_5H_{11}NO_2S$
M: 149,21 CAS: 59-51-8 EINECS: 200-432-1 NC: 2930 40 90
SPECIFICATIONS:
Assay calc. a.d.s. ..... 99,0-101,0 %
Identity according to Pharmacopoeias ..... p/t.
pH sol. 2% 5,4-6,1
Specific rotation ..... -0,05 to +0,05°
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Loss on drying at 105°C ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,1 %
Chloride (Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,02 %
Related substances ..... p/t.
Heavy metals (as Pb) ..... 0,002 %

Order code	Package	Units/Box st.
145827.1211	1000 g	6

L-Methionine (USP, BP, Ph. Eur.) PRS-CODEX

$C_5H_{11}NO_2S$
M: 149,21 CAS: 63-68-3 EINECS: 200-562-9 NC: 2930 40 10
SPECIFICATIONS:
Assay (Perchl. Ac.) calc. a.d.s. ..... 99,0-101,0 %
Identity according to Pharmacopoeias ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=2 (in HCl) calc. a.d.s. ..... +22,5 to +24,0°
Specific rotation $[\alpha]^{25}$/D c=2 (in HCl) calc. a.d.s. ..... +22,4 to +24,7°
pH 2,5% solution 5,5-6,5
pH 1% solution 5,6-6,1
T.L.C. ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Loss on drying at 105°C ..... 0,3 %
Residue on ignition (as SO_4) ..... 0,1 %
Organic volatile impurities ..... p/t.
Ammonium (NH_4) ..... 0,02 %
Chloride (Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,03 %
Heavy metals (as Pb) ..... 0,001 %
Fe ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142882.1208	100 g	6
142882.1211	1000 g	6

L-Methionine (F.C.C.) ADITIO

$C_5H_{11}NO_2S$

M: 149,21 CAS: 63-68-3 EINECS: 200-562-9 NC: 2930 40 10

SPECIFICATIONS:

Assay (Perchl. Ac.) calc. a.d.s. ..... 98,5-101,5 %
Identification ..... IR p/t.
Lead, not more than ..... 5 ppm
Loss on drying, not more than ..... 0,5 %
Specific rotation $[\alpha]^{20}$/D calc. a.d.s. ..... +21,0 to +25,0°
Residue on ignition, not more than ..... 0,1 %
Specifications F.C.C. 6

Order code	Package	Units/Box st.
202882.1208	100 g	6
202882.1211	1 kg	6

L-Methionine, 99% PS

$C_5H_{11}NO_2S$

M: 149,21 CAS: 63-68-3 EINECS: 200-562-9 NC: 2930 40 10

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
152882.1606	25 g	6
152882.1608	100 g	6

6-Methoxy-2-Acetonaphthone

(see 2-Acetyl-6-Methoxynaphthalene)

Methoxyamine Hydrochloride

(see O-Methylhidroxylammonium Chloride)

4-Methoxybenzaldehyde, 98% PS

$C_8H_8O_2$

M: 136,15 CAS: 123-11-5 EINECS: 204-602-6 NC: 2912 49 00

1l~1,122kg 1kg~0,891l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,120-1,124

Order code	Package	Units/Box st.
15A649.1608	100 ml	6
15A649.1610	500 ml	6

Methoxybenzene

(see Anisole)

4-Methoxybenzoic Acid, 99% PS

$C_8H_8O_3$

M: 152,15 CAS: 100-09-4 EINECS: 202-818-5 NC: 2916 39 00

SPECIFICATIONS:

Assay (a.d.s.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 181-183°C

Order code	Package	Units/Box st.
15B501.1208	100 g	6
15B501.1209	250 g	6

2-Methoxyethanol

(see Ethylene Glycol mono-Methyl Ether)

2-(2-Methoxyethoxy) Ethanol

(see Diethylene Glycol mono-Methyl Ether)

3-Methoxy-4-Methylbenzoic Acid, 96% PS

$C_9H_{10}O_3$

M: 166,17 CAS: 7151-68-0 EINECS: 230-486-1 NC: 2916 39 00

SPECIFICATIONS:

Assay ..... 96 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C061.1603	1 g	6
15C061.1604	5 g	6

4-Methoxyphenol, 98% PS

$C_7H_8O_2$

M: 124,14 CAS: 150-76-5 EINECS: 205-769-8 NC: 2909 50 90

HAZARDOUS:

Xn

R: 22 S: 24/25

SPECIFICATIONS:

Minimum assay ..... 98 %
Identity ..... IR p/t.
Melting range ..... 54-56°C

Order code	Package	Units/Box st.
15A135.1608	100 g	6
15A135.1610	500 g	6

1-Methoxy-2-Propanol PRS

$C_4H_{10}O_2$

M: 90,12 CAS: 107-98-2 EINECS: 203-539-1 NC: 2909 44 00 UN: 3092

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

R: 10 S: 24 CE: 603-064-00-3

1l~0,924kg 1kg~1,082l

SPECIFICATIONS:

Assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,921-0,927
2-Methoxy-1-Propanol (G.C.) ..... 0,5 %
Acidity (as C_2H_5COOH) ..... 0,01 %
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
145398.1611	1000 ml	6

1-Methoxy-2-Propanol, 99% PS

$C_4H_{10}O_2$

M: 90,12 CAS: 107-98-2 EINECS: 203-539-1 NC: 2909 44 00 UN: 3092

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

R: 10 S: 24 CE: 603-064-00-3

1l~0,924kg 1kg~1,082l

SPECIFICATIONS:

Assay (G.C.) ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
155398.1611	1000 ml	6

1-Methoxy-4-(2-Propenyl) Benzene

(see 4-Allylanisole)

3-Methoxy-p-Toluic Acid

(see 3-Methoxy-4-Methylbenzoic Acid)

4'-Methylacetanilide, 98% PS

$C_9H_{11}NO$

M: 149,21 CAS: 103-89-9 EINECS: 203-155-4 NC: 2924 29 95

HAZARDOUS:

Xn

R: 22 S: 46

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C060.1608	100 g	6

Methyl Acetate PRS

CH_3COOCH_3

M: 74,08 CAS: 79-20-9 EINECS: 201-185-2 NC: 2915 39 30 UN: 1231

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xi

R: 11-36-66-67 S: 16-26-29-33 CE: 607-021-00-X

1l~0,936kg 1kg~1,068l

SPECIFICATIONS:

Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,934-0,938
Non-volatile matter ..... 0,01 %
Methanol (G.C.) ..... 0,2 %
Acidity (as CH_3COOH) ..... 0,005 %
Water (H_2O) ..... 0,3 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
142023.1611	1000 ml	6
142023.1612	2,5 l	4
142023.0716	25 l	

Methyl Acetate, 99% PS

CH_3COOCH_3

M: 74,08 CAS: 79-20-9 EINECS: 201-185-2 NC: 2915 39 30 UN: 1231
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-66-67 S: 16-26-29-33 CE: 607-021-00-X**
1l~0,936kg 1kg~1,068l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,934-0,938
Non-volatile matter ..... 0,001 %
Acidity (as CH_3COOH) ..... 0,005 %
Water (H_2O) ..... 0,02 %

Order code	Package	Units/Box st.
162023.1611	1000 ml	6
162023.1612	2,5 l	4

Methyl Acrylate, 99% stabilized with ~50 ppm of M.E.H.Q. PS

$CH_2=CHCOOCH_3$

M: 86,09 CAS: 96-33-3 EINECS: 202-500-6 NC: 2916 12 10 UN: 1919
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn **R: 11-20/22-36/37/38 S: 9-16-33 CE: 607-034-00-0**
1l~0,956kg 1kg~1,046l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,954-0,956
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
15A826.1611	1000 ml	6

Methylal

(see Formaldehyde Dimethylacetal)

Methyl Alcohol

(see Methanol)

Methylamine solution 40% w/w PS

CH_5N

M: 31,06 CAS: 74-89-5 EINECS: 200-820-0 NC: 2921 11 10 UN: 1235
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F C **R: 11-20/22-34 S: 3-16-26-29-36/37/39-45**
CE: 612-001-00-9
1l~0,900kg 1kg~1,111l
SPECIFICATIONS:
Minimum assay (Acidim.) ..... 40 %
Density at 20/4 0,895-0,900

Order code	Package	Units/Box st.
15A825.1609	250 ml	6
15A825.1611	1000 ml	6

Methyl 2-Aminobenzoate, 99% PS

$C_8H_9NO_2$

M: 151,17 CAS: 134-20-3 EINECS: 205-132-4 NC: 2922 49 95
1l~1,168kg 1kg~0,856l
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C201.1609	250 ml	6
15C201.1611	1000 ml	6

Methyl 3-Aminobenzoate, 98% PS

$C_8H_9NO_2$

M: 151,16 CAS: 4518-10-9 EINECS: 224-842-5 NC: 2922 50 00
HAZARDOUS:

Xi **R: 36/37/38 S: 26-37/39**
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C004.1604	5 g	6
15C004.1606	25 g	6

4-Methylaminophenol Sulphate PA-ACS

$(CH_3NHC_6H_4OH)_2.H_2SO_4$

M: 344,39 CAS: 55-55-0 EINECS: 200-237-1 NC: 2922 29 00
HAZARDOUS:

Xn **R: 20/21/22 S: 36/37**
SPECIFICATIONS:
Assay (Cerim.) 99,0-101,5%
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in HCl ..... p/t.
Residue on ignition (as SO_4) ..... 0,1 %
2-Aminophenol ..... p/t.
Sensitivity to phosphates ..... p/t.

Order code	Package	Units/Box st.
131798.1207	50 g	6
131798.1209	250 g	6

4-Methylaminophenol Sulphate PRS

$(CH_3NHC_6H_4OH)_2.H_2SO_4$

M: 344,39 CAS: 55-55-0 EINECS: 200-237-1 NC: 2922 29 00
HAZARDOUS:

Xn **R: 20/21/22 S: 36/37**
SPECIFICATIONS:
Assay (Cerim.) ..... 98,0 %
Identity ..... IR p/t.
Residue on ignition (as SO_4) ..... 0,5 %

Order code	Package	Units/Box st.
141798.1207	50 g	6
141798.1209	250 g	6

2-Methylaniline

(see o-Toluidine)

4-Methylaniline

(see p-Toluidine)

Methyl p-Anisate

(see Methyl 4-Methoxybenzoate)

4-Methyl-m-Anisic Acid

(see 3-Methoxy-4-Methylbenzoic Acid)

Methyl Anthranilate

(see Methyl 2-Aminobenzoate)

Methylbenzene

(see Toluene)

4-Methylbenzenesulphonic Acid

(see Toluene-4-Sulphonic Acid 1-hydrate)

Methyl Benzoate PRS

$C_6H_5COOCH_3$

M: 136,15 CAS: 93-58-3 EINECS: 202-259-7 NC: 2916 31 00
HAZARDOUS:

Xn **R: 22**
1l~1,088kg 1kg~0,919l
SPECIFICATIONS:
Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,086-1,090
Non-volatile matter ..... 0,01 %
Acidity (as $C_7H_6O_2$) ..... 0,12 %
Water (H_2O) ..... 0,1 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141949.1611	1000 ml	6
141949.1612	2,5 l	4
141949.1214	5 l	4

Methyl Benzoate, 99% PS

$C_6H_5COOCH_3$

M: 136,15 CAS: 93-58-3 EINECS: 202-259-7 NC: 2916 31 00

HAZARDOUS:

Xn **R: 22**

1l~1,088kg 1kg~0,919l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,086-1,090
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
151949.1606	25 ml	6
151949.1610	500 ml	6

N-Methyl-Bis (Trifluoroacetamide) CG

for derivatization (GC)

$C_5H_3F_6NO_2$

M: 223,07 CAS: 685-27-8 EINECS: 211-680-5 NC: 2924 19 00 UN: 1993

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xi **R: 10-36/37/38 S: 26-36/37/39**

1l~1,547kg 1kg~0,646l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 97 %
Identity ..... IR p/t.
Product bottled under nitrogen atmosphere.

Order code	Package	Units/Box st.
355590.0922	20 x 1 ml	6
355590.1905	10 ml	6
355590.2522	10 x 10 ml	6

N-Methyl-Bis (Trifluoroacetamide), 97% PS

$C_5H_3F_6NO_2$

M: 223,07 CAS: 685-27-8 EINECS: 211-680-5 NC: 2924 19 00 UN: 1993

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xi **R: 10-36/37/38 S: 26-36/37/39**

1l~1,547kg 1kg~0,646l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
155590.1604	5 ml	6
155590.1606	25 ml	6

Methyl Borate

(see Trimethyl Borate azeotrope with methanol 70:30)

2-Methylbutane

(see Isopentane)

3-Methyl-1-Butanol (Reag. Ph. Eur.) PA-ACS

$C_5H_{11}OH$

M: 88,15 CAS: 123-51-3 EINECS: 204-633-5 NC: 2905 19 00 UN: 1105

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xn **R: 10-20 S: 24/25 CE: 603-006-00-7**

1l~0,810kg 1kg~1,235l

SPECIFICATIONS:

Minimum assay (as $C_5H_{12}O$) (G.C.) ..... 98,5 %
Identity ..... IR p/t.
Density at 20/4 0,809-0,812

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter ..... 0,003 %
1-Pentanol (G.C.) ..... 0,5 %
Acidity ..... 0,002 meq/g
Acids and esters (as Pentyl acetate) ..... 0,2 %
Carbonyl compounds (as HCHO) ..... 0,1 %
Water (H_2O) ..... 0,15 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,01
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131079.1611	1000 ml	6
131079.1612	2,5 l	4
131079.1214	5 l	4
131079.0716	25 l	

3-Methyl-1-Butanol according to Gerber PA

for determination of fat in milk

$C_5H_{11}OH$

M: 88,15 CAS: 123-51-3 EINECS: 204-633-5 NC: 2905 19 00 UN: 1105

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xn **R: 10-20 S: 24/25 CE: 603-006-00-7**

1l~0,810kg 1kg~1,235l

SPECIFICATIONS:

Assay (as $C_5H_{12}O$) (G.C.) ..... 98,5 %

MAXIMUM LIMIT OF IMPURITIES

Organic impurities ..... p/t.
Water (H_2O) ..... 0,3 %
Suitability for fats determ. acc. to Gerber ..... p/t.

Order code	Package	Units/Box st.
121079.1211	1000 ml	6
121079.1212	2,5 l	4
121079.1214	5 l	4
121079.0716	25 l	
121079.0718	60 l	

3-Methyl-1-Butanol PRS

$C_5H_{11}OH$

M: 88,15 CAS: 123-51-3 EINECS: 204-633-5 NC: 2905 19 00 UN: 1105

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xn **R: 10-20 S: 24/25 CE: 603-006-00-7**

1l~0,810kg 1kg~1,235l

SPECIFICATIONS:

Assay (as $C_5H_{12}O$) (G.C.) ..... 98,0 %
Identity ..... IR p/t.
Density at 20/4 0,809-0,812
Non-volatile matter ..... 0,01 %
1-Pentanol (G.C.) ..... 1 %
Acidity ..... 0,006 meq/g
Water (H_2O) ..... 0,5 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141079.1211	1000 ml	6
141079.1212	2,5 l	4
141079.1214	5 l	4
141079.0716	25 l	

3-Methyl-1-Butanol, 98% PS

$C_5H_{11}OH$

M: 88,15 CAS: 123-51-3 EINECS: 204-633-5 NC: 2905 19 00 UN: 1105
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn R: 10-20 S: 24/25 CE: 603-006-00-7

1l~0,810kg 1kg~1,235l
SPECIFICATIONS:
Minimum assay (as $C_5H_{12}O$) (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,809-0,812
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
151079.1611	1000 ml	6
151079.1612	2,5 l	4

Methyl iso-Butyl Ketone

(see 4-Methyl-2-Pentanone)

2-Methylbutyric Acid, 98% PS

$C_5H_{10}O_2$

M: 102,13 CAS: 116-53-0 EINECS: 204-145-2 NC: 2915 60 90 UN: 3265
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:

C R: 34 S: 26-36/37/39-45

1l~0,935kg 1kg~1,069l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,935-0,937
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
15A665.1608	100 ml	6

D-2-Methylbutyric Acid, 98% PS

$C_5H_{10}O_2$

M: 102,13 CAS: 1730-91-2 NC: 2915 60 11 UN: 3265
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C R: 34 S: 26-36/37/39-45

1l~0,930kg 1kg~1,075l
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A066.1603	1 ml	6
15A066.1604	5 ml	6

2-Methylbutyric Acid Chloride

(see 2-Methylbutyryl Chloride)

2-Methylbutyryl Chloride, 99% PS

$CH_3CH_2CH(CH_3)COCl$

M: 120,58 CAS: 57526-28-0 EINECS: 260-787-3 NC: 2812 90 00 UN: 1993
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xi R: 10-36/37/38 S: 16-26-37/39

1l~0,990kg 1kg~1,010l
SPECIFICATIONS:
Minimum assay (Acidim.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,985-0,995

Order code	Package	Units/Box st.
15A633.1608	100 ml	6

Methyl Caprate

(see Methyl Decanoate)

Methyl Caproate

(see Methyl Hexanoate)

Methyl Caprylate

(see Methyl Octanoate)

Methyl Cellosolve

(see Ethylene Glycol mono-Methyl Ether)

Methylchloroform

(see 1,1,1-Trichloroethane)

Methyl Cyanide

(see Acetonitrile)

Methylcyclohexane dry (max. 0,005% water) DS

$C_6H_{11}CH_3$

M: 98,19 CAS: 108-87-2 EINECS: 203-624-3 NC: 2902 19 80 UN: 2296
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N R: 11-38-65-67-51/53 S: 9-16-33-61-62

CE: 601-018-00-7
1l~0,769kg 1kg~1,300l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 20/4 0,768-0,770
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,001 %
Darkened substances by H_2SO_4 ..... p/t.
Sulphur compounds (as S) ..... 0,005 %
Acidity ..... 0,001 meq/g
Water (H_2O) ..... 0,005 %
Thiophene ..... p/t.
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

Order code	Package	Units/Box st.
482802.1611	1000 ml	6

Methylcyclohexane, 99% PS

$C_6H_{11}CH_3$

M: 98,19 CAS: 108-87-2 EINECS: 203-624-3 NC: 2902 19 80 UN: 2296
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N R: 11-38-65-67-51/53 S: 9-16-33-61-62

CE: 601-018-00-7
1l~0,769kg 1kg~1,300l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,768-0,770
Non-volatile matter ..... 0,003 %
Water (H_2O) ..... 0,03 %

Order code	Package	Units/Box st.
162802.1611	1000 ml	6
162802.1714	5 l	4
162802.0616	25 l	

4-Methylcyclohexanone, 98% PS

$C_7H_{12}O$

M: 112,17 CAS: 589-92-4 EINECS: 209-665-3 NC: 2914 22 00 UN: 2297
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 316
HAZARDOUS:

Xn R: 10-22 S: 16-36

1l~0,914kg 1kg~1,094l
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A030.1606	25 ml	6
15A030.1608	100 ml	6

trans-4-Methylcyclohexylammonium Chloride, 98% PS

$C_7H_{15}N.HCl$

M: 149,66 CAS: 33483-65-7 NC: 2921 30 99
HAZARDOUS:

Xn R: 22-36/37/38 S: 26-37/39

SPECIFICATIONS:
Minimum Assay ..... 98 %

Order code	Package	Units/Box st.
15A031.1603	1 g	6
15A031.1605	10 g	6

trans-4-Methylcyclohexyl Isocyanate, 98% PS

$C_8H_{13}NO$

M: 139,20 CAS: 32175-00-1 NC: 2929 10 90 UN: 2810
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:

T **R: 23/24/25-36/37/38 S: 26-28a-36/37/39-45**

SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A222.1604	5 g	6

Methyl Cyclopropanecarboxilate, 98% PS

$C_5H_8O_2$

M: 100,12 CAS: 2868-37-3 EINECS: 220-690-9 NC: 2916 20 00 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F **R: 11 S: 9-16**

1l~0,985kg 1kg~1,015l
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A047.1606	25 ml	6
15A047.1609	250 ml	6

Methyl Decanoate, 98% PS

$C_{11}H_{22}O_2$

M: 186,30 CAS: 110-42-9 EINECS: 203-766-6 NC: 2915 90 80
1l~0,87kg 1kg~1,15l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
152757.1604	5 ml	6
152757.1608	100 ml	6

4-Methyl-1,3-Dioxolane-2-one

(see Propylene Carbonate)

Methyl Dodecanoate

(see Methyl Laurate)

2,2'-Methylenebiphenyl

(see Fluorene)

Methylene Blue (C.I. 52015) PA

$C_{16}H_{18}ClN_3S.xH_2O$

M: 319,85+H_2O CAS: 61-73-4 EINECS: 200-515-2 NC: 3204 13 00
HAZARDOUS:

Xn **R: 22**

SPECIFICATIONS:
Assay (Spectrophotometric) ..... 82 %
Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 663-667 nm
A 1%, 1 cm, λmax. (calc. a.d.s.) ..... >2200
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C ..... 8-16 %

Order code	Package	Units/Box st.
121170.1606	25 g	6
121170.1608	100 g	6

Methylene Blue (C.I. 52015) (USP) CODEX

$C_{16}H_{18}ClN_3S.xH_2O$

M: 319,85+H_2O CAS: 61-73-4 EINECS: 200-515-2 NC: 3204 13 00
HAZARDOUS:

Xn **R: 22**

SPECIFICATIONS:
Assay (calc. a.d.s.) ..... 98,0-103,0 %
Identity according to Pharmacopoeias ..... p/t.
T.L.C. ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying ..... 8,0-18,0 %
Residue on ignition ..... 1,2 %
Organic volatile impurities ..... p/t.
As ..... 0,0008 %
Cu ..... 0,02 %
Zn ..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
191170.1608	100 g	6
191170.1611	1000 g	6

Methylene Blue (C.I. 52015) DC

for microscopy, bacteriology and cytology
$C_{16}H_{18}ClN_3S.xH_2O$

M: 319,85+H2O CAS: 61-73-4 EINECS: 200-515-2 NC: 3204 13 00
HAZARDOUS:

Xn **R: 22**

SPECIFICATIONS:
Assay (Spectrophotometric) ..... 82 %
Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 663-667 nm
A 1%, 1 cm, λmax. (calc. a.d.s.) ..... >2200
Ratio λmax. P ± 15 nm 1,21-1,70
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C ..... 8-16 %

Order code	Package	Units/Box st.
251170.1606	25 g	6
251170.1608	100 g	6
251170.1609	250 g	6
251170.0914	5 kg	

Methylene Blue Alkali DC

for microscopy, solution according to Loeffler

NC: 3822 00 00
1l~0,987kg 1kg~1,013l
Composition:
Methylene Blue ..... 0,365 g
Potassium Hydroxide 0,1 mol/l ..... 1,62 ml
Ethanol absolute ..... 9,1 ml
Water ..... 91 ml

Order code	Package	Units/Box st.
251171.1208	100 ml	6
251171.1209	250 ml	6

Methylene Blue Phenicated DC

for microscopy, solution according to Kühne

NC: 3822 00 00
HAZARDOUS:

Xn **R: 21/22 S: 46**

1l~0,995kg 1kg~1,005l
Composition:
Methylene Blue ..... 9 g
Ethanol absolute ..... 90 ml
Phenol ..... 26 ml
Water ..... 1000 ml

Order code	Package	Units/Box st.
251172.1208	100 ml	6
251172.1209	250 ml	6
251172.1211	1000 ml	6

Methylene Dichloride

(see Dichloromethane)

Methylene Iodide

(see Diiodomethane)

Methylethylketone

(see Butanone)

Methyl Formate, 97% PS

$C_2H_4O_2$

M: 60,05 CAS: 107-31-3 EINECS: 203-481-7 NC: 2915 13 00 UN: 1243
IMDG: 3/I ADR: 3/I IATA: 3/I PAX: 302 CAO: 303
HAZARDOUS:

F+ Xn **R: 12-20/22-36/37 S: 9-16-24-26-33 CE: 607-014-00-1**

1l~0,970kg 1kg~1,031l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 97 %
Identity ..... IR p/t.
Density at 20/4 0,974-0,977

Order code	Package	Units/Box st.
164541.1611	1000 ml	6

2-Methylfuran, 99% PS

C_5H_6O

M: 82,10 CAS: 534-22-5 EINECS: 208-594-5 NC: 2932 19 00 UN: 2301
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F T **R: 11-23/24/25 S: 16-24/25-33-37-45**

1l~0,913kg 1kg~1,095l
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,913-0,916
Furfural ..... < 0,5 %
Peroxides (as O_2) ..... < 0,2 mol/Kg
Water (H_2O) ..... < 0,1 %

Order code	Package	Units/Box st.
15C074.1608	100 ml	6
15C074.1610	500 ml	6

Methylglycol

(see Ethylene Glycol mono-Methyl Ether)

Methyl Green (C.I. 42585) DC

for microscopy, bacteria staining
$(C_{26}H_{33}Cl_2N_3)_n+ZnCl_2$

M: (458,5)n+136,3 CAS: 7114-03-6 EINECS: 230-415-4 NC: 3204 13 00
SPECIFICATIONS:
Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 630-635 nm
A 1%, 1 cm, λmax ..... >400
Ratio λmax. P ± 15 nm 0,86-1,11
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 135°C ..... 10 %

Order code	Package	Units/Box st.
251704.1604	5 g	6
251704.1606	25 g	6

Methyl Hexadecanoate

(see Methyl Palmitate)

Methyl Hexanoate, 98% PS

$C_7H_{14}O_2$

M: 130,19 CAS: 106-70-7 EINECS: 203-425-1 NC: 2915 90 80
1l~0,88kg 1kg~1,13l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
152759.1608	100 ml	6
152759.1610	500 ml	6

Methyl 2-Hydroxybenzoate

(see Methyl Salicylate)

Methyl 4-Hydroxybenzoate (RFE, USP-NF, BP, Ph. Eur., JP) PRS-CODEX

$C_8H_8O_3$

M: 152,15 CAS: 99-76-3 EINECS: 202-785-7 NC: 2918 29 30
SPECIFICATIONS:
Assay (Acidim.) 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
Melting range ..... 125-128°C
A 1%; 1 cm; λ258 nm 1040-1120
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Appearance and colour of solution ..... p/t.
Insoluble matter in C_2H_5OH 96% ..... p/t.
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Acidity ..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
143332.1208	100 g	6
143332.1210	500 g	6
143332.0914	5 kg	

Methyl 4-Hydroxybenzoate (E-218, F.C.C.) ADITIO

$C_8H_8O_3$

M: 152,15 CAS: 99-76-3 EINECS: 202-785-7 NC: 2918 29 30
SPECIFICATIONS:
Assay (in $C_8H_8O_3$) calc. on the anh. basis 99,0-100,5%
Acidity ..... p/t.
Salicylic + 4-Hydroxybenzoic Acid (in $C_7H_6O_3$), not more than ..... 0,35 %
Arsenic (as As), not more than ..... 3 ppm
Residue on ignition, not more than ..... 0,05 %
Loss on drying, not more than ..... 0,5 %
Heavy metals (as Pb), not more than ..... 10 ppm
Lead, not more than ..... 2 ppm
Melting range ..... 125-128°C
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
203332.0914	5 kg	

O-Methylhydroxylamine Hydrochloride

(see O-Methylhydroxylammonium Chloride)

O-Methylhydroxylammonium Chloride PA

for derivatization (GC)
CH_6ClNO

M: 83,52 CAS: 593-56-6 EINECS: 209-798-7 NC: 2928 00 90
HAZARDOUS:

Xn **R: 36/37/38-40 S: 26-36/37/39**

SPECIFICATIONS:
Assay (Arg.) ..... 99 %

Order code	Package	Units/Box st.
122706.1605	10 g	6

Methyl 4-Hydroxyphenylacetate, 98% PS

$C_9H_{10}O_3$

M: 166,18 CAS: 14199-15-6 EINECS: 238-050-2 NC: 2918 99 90
HAZARDOUS:

Xi **R: 36/37/38 S: 26-37/39**

SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A007.1606	25 g	6
15A007.1608	100 g	6

Methyl Iodide

(see Iodomethane)

Methyl Isobutylketone

(see 4-Methyl-2-Pentanone)

2-Methyl-5-Isopropylphenol

(see 5-Isopropyl-2-Methylphenol)

2-Methyllactic Acid

(see 2-Hydroxyisobutyric Acid)

Methyl Laurate, 98% PS

$C_{13}H_{26}O_2$

M: 214,35 CAS: 111-82-0 EINECS: 203-911-3 NC: 2915 90 80
1l~0,86kg 1kg~1,16l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
152761.1604	5 ml	6

Methyl 4-Methoxybenzoate, 98% PS

$C_9H_{10}O_3$

M: 166,18 CAS: 121-98-2 EINECS: 204-513-2 NC: 2909 49 90
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A204.1606	25 g	6
15A204.1608	100 g	6

2-Methyl-5-(1-Methylethyl) Phenol

(see 5-Isopropyl-2-Methylphenol)

N-Methylmorpholine, 98% PS

$C_5H_{11}NO$

M: 101,15 CAS: 109-02-4 EINECS: 203-640-0 NC: 2934 99 90 UN: 2535
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

R: 11-21/22-34 S: 16-23c-26-36/37/39-45
1l~0,917kg 1kg~1,091l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,917-0,918
Water (H_2O) ..... 0,3 %

Order code	Package	Units/Box st.
15A841.1610	500 ml	6

Methyl Myristate, 98% PS

$C_{15}H_{30}O_2$

M: 242,41 CAS: 124-10-7 EINECS: 204-680-1 NC: 2915 90 80
1l~0,86kg 1kg~1,15l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
152762.1608	100 ml	6
152762.1610	500 ml	6

2-Methyl-1,4-Naphtoquinone Sodium Disulphite

(see Menadione Sodium Disulphite 3-hydrate)

Methyl Nicotinate, 99% PS

$C_7H_7NO_2$

M: 137,14 CAS: 93-60-7 EINECS: 202-261-8 NC: 2933 39 99
HAZARDOUS:

R: 36/38 S: 24-26-37/39
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B183.1208	100 g	6
15B183.1210	500 g	6

2-Methyl-4-Nitroaniline, 98% PS

$C_7H_8N_2O_2$

M: 152,15 CAS: 99-52-5 EINECS: 202-762-1 NC: 2921 43 00 UN: 2660
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

R: 23/24/25-33-51/53 S: 28a-36/37-45-61 CE: 612-025-00-X
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A068.1608	100 g	6
15A068.1610	500 g	6

Methyl Octadecanoate

(see Methyl Stearate)

Methyl Octanoate, 98% PS

$C_9H_{18}O_2$

M: 158,24 CAS: 111-11-5 EINECS: 203-835-0 NC: 2915 90 80
1l~0,87kg 1kg~1,15l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
152758.1606	25 ml	6
152758.1608	100 ml	6

Methyl Orange (C.I. 13025) PA-ACS

pH indicator 3,2 red; 4,4 yellow
$C_{14}H_{14}N_3NaO_3S$

M: 327,34 CAS: 547-58-0 EINECS: 208-925-3 NC: 3204 12 00
SPECIFICATIONS:
Identity ..... IR p/t.
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
pH transition interval:
pink or red 3,2
yellow 4,4
Transition interval according to ACS ..... p/t.
Insoluble matter in H_2O ..... p/t.
Loss on drying at 135°C ..... 10 %

Order code	Package	Units/Box st.
131431.1606	25 g	6
131431.1607	50 g	6
131431.1608	100 g	6
131431.1610	500 g	6

METHYL ORANGE SOLUTIONS

Methyl Orange solution 0,04% RV

pH indicator 3,2 red; 4,4 yellow
$C_{14}H_{14}N_3NaO_3S$

M: 327,34 CAS: 547-58-0 NC: 3822 00 00
1l~0,981kg 1kg~1,019l
Composition:
Methyl Orange ..... 40 mg
Ethanol absolute ..... 15 ml
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
281433.1208	100 ml	6
281433.1209	250 ml	6

Methyl Orange solution 0,1% RV

pH indicator 3,2 red; 4,4 yellow
$C_{14}H_{14}N_3NaO_3S$

M: 327,34 CAS: 547-58-0 NC: 3822 00 00
1l~0,974kg 1kg~1,027l
Composition:
Methyl Orange ..... 0,1 g
Ethanol absolute ..... 20 ml
Water ..... 82,5 ml

Order code	Package	Units/Box st.
281432.1208	100 ml	6
281432.1209	250 ml	6

Methyl Palmitate, 98% PS

$C_{17}H_{34}O_2$

M: 270,46 CAS: 112-39-0 EINECS: 203-966-3 NC: 2915 70 20
SPECIFICATIONS:
1l~0,86kg 1kg~1,16l
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
152763.1608	100 ml	6

Methyl Paraben

(see Methyl 4-Hydroxybenzoate)

2-Methyl-2,4-Pentanediol (USP-NF) PRS-CODEX

$C_6H_{14}O_2$

M: 118,18 CAS: 107-41-5 EINECS: 203-489-0 NC: 2905 39 10
HAZARDOUS:

R: 36/38 CE: 603-053-00-3
1l~0,920kg 1kg~1,087l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98,0 %
Identity according to Pharmacopoeias ..... p/t.
Density at 25/25 0,917-0,923
Refractive index n^{25}/D 1,424-1,430
MAXIMUM LIMIT OF IMPURITIES
Residual solvents (Ph.Eur./USP) ..... p/t
Acidity (as CH_3COOH) ..... 0,013 %
Water (H_2O) ..... 0,5 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141348.1211	1000 ml	6
141348.1214	5 l	4
141348.0716	25 l	

4-Methyl-2-Pentanol, 97% PS

$C_6H_{14}O$

M: 102,18 CAS: 108-11-2 EINECS: 203-551-7 NC: 2905 19 00 UN: 2053
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn **R: 10-37 S: 24/25 CE: 603-008-00-8**
1l~0,81kg 1kg~1,23l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 97 %
Identity ..... IR p/t.
Density at 20/4 0,806-0,808

Order code	Package	Units/Box st.
15A647.1211	1000 ml	6
15A647.1214	5 l	4

4-Methyl-2-Pentanone (Reag. Ph. Eur.) PA-ACS

$C_6H_{12}O$

M: 100,16 CAS: 108-10-1 EINECS: 203-550-1 NC: 2914 13 00 UN: 1245
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn **R: 11-20-36/37-66 S: 9-16-29 CE: 606-004-00-4**
1l~0,799kg 1kg~1,252l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 20/4 0,798-0,802
Distillation range ..... <4,0°C
MAXIMUM LIMIT OF IMPURITIES
APHA colour 15
Non-volatile matter ..... 0,005 %
Acidity ..... 0,0004 meq/g
Water (H_2O) ..... 0,1 %
Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131430.1611	1000 ml	6
131430.1612	2,5 l	4
131430.1214	5 l	4
131430.0716	25 l	

4-Methyl-2-Pentanone (USP-NF) PRS-CODEX

$C_6H_{12}O$

M: 100,16 CAS: 108-10-1 EINECS: 203-550-1 NC: 2914 13 00 UN: 1245
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn **R: 11-20-36/37-66 S: 9-16-29 CE: 606-004-00-4**
1l~0,799kg 1kg~1,252l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 25/25 ..... ≤0,799
Distillation range ..... 114-117°C
MAXIMUM LIMIT OF IMPURITIES
Non-volatile matter ..... 0,008 %
Residual solvents (Ph.Eur./USP) ..... p/t
Acidity ..... 0,0015 meq/g
Water (H_2O) ..... 0,3 %
Cu ..... 0,00002 %
Fe ..... 0,00002 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141430.1611	1000 ml	6
141430.1612	2,5 l	4
141430.1214	5 l	4
141430.0716	25 l	

4-Methyl-2-Pentanone, 99% PS

$C_6H_{12}O$

M: 100,16 CAS: 108-10-1 EINECS: 203-550-1 NC: 2914 13 00 UN: 1245
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn **R: 11-20-36/37-66 S: 9-16-29 CE: 606-004-00-4**
1l~0,799kg 1kg~1,252l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,798-0,802
Non-volatile matter ..... 0,005 %
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
161430.1211	1000 ml	6
161430.1212	2,5 l	4
161430.1214	5 l	4
161430.0716	25 l	

2-Methylphenol

(see o-Cresol)

4-Methylphenol

(see p-Cresol)

Methyl Phenyl Ether

(see Anisole)

Methyl Phenyl Ketone

(see Acetophenone)

1-Methylpiperazine, 98% PS

$C_5H_{12}N_2$

M: 100,16 CAS: 109-01-3 EINECS: 203-639-5 NC: 2933 59 95 UN: 2734
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C **R: 10-21-34 S: 16-26-36/37/39-45**
1l~0,903kg 1kg~1,107l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B718.1610	500 ml	6

2-Methyl-1-Propanol

(see Isobutanol)

SV

Soluciones valoradas
Volumetric solutions
Solutions volumétriques

2-Methyl-2-Propanol (Reag. Ph. Eur.) PA-ACS

$(CH_3)_3COH$

M: 74,12 CAS: 75-65-0 EINECS: 200-889-7 NC: 2905 14 10 UN: 1120
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn **R: 11-20 S: 9-16 CE: 603-005-00-1**

1l~0,78kg 1kg~1,28l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Freezing point ..... >25°C
Distillation range (>95% dist.) ..... 81-83°C

MAXIMUM LIMIT OF IMPURITIES

APHA colour 20
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,003 %
1-Butanol (G.C.) ..... 0,05 %
2-Butanol (G.C.) ..... 0,2 %
Isobutanol (G.C.) ..... 0,05 %
Acidity ..... 0,001 meq/g
Alkalinity ..... 0,0005 meq/g
Carbonyl compounds (as HCHO) ..... 0,01 %
Water (H_2O) ..... 0,1 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Cu	0,02	P	0,2
Al	0,5	Fe	0,1	Pb	0,1
As	0,05	Ge	0,05	Pt	0,1
Au	0,1	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,05
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02

Order code	Package	Units/Box st.
131903.1611	1000 ml	6
131903.1214	5 l	4
131903.0716	25 l	

2-Methyl-2-Propanol PRS

$(CH_3)_3COH$

M: 74,12 CAS: 75-65-0 EINECS: 200-889-7 NC: 2905 14 10 UN: 1120
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn **R: 11-20 S: 9-16 CE: 603-005-00-1**

1l~0,78kg 1kg~1,28l

SPECIFICATIONS:

Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Non-volatile matter ..... 0,01 %
1-Butanol (G.C.) ..... 0,1 %
2-Butanol (G.C.) ..... 0,5 %
Isobutanol (G.C.) ..... 0,1 %
Acidity ..... 0,005 meq/g
Alkalinity ..... 0,003 meq/g
Water (H_2O) ..... 0,3 %
Cu ..... 0,00002 %
Fe ..... 0,00002 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141903.1611	1000 ml	6
141903.1214	5 l	4
141903.0716	25 l	

2-Methyl-2-Propanol, 99,7% PS

$(CH_3)_3COH$

M: 74,12 CAS: 75-65-0 EINECS: 200-889-7 NC: 2905 14 10 UN: 1120
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn **R: 11-20 S: 9-16 CE: 603-005-00-1**

1l~0,78kg 1kg~1,28l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,7 %
Identity ..... IR p/t.
Non-volatile matter ..... 0,003 %
Water (H_2O) ..... 0,08 %

Order code	Package	Units/Box st.
161903.1611	1000 ml	6
161903.1714	5 l	4
161903.0616	25 l	

2-Methylpyridine, 98% PS

C_6H_7N

M: 93,12 CAS: 109-06-8 EINECS: 203-643-7 NC: 2933 39 99 UN: 2313
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn **R: 10-20/21/22-36/37 S: 26-36 CE: 613-036-00-2**

1l~0,943kg 1kg~1,06l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,942-0,945

Order code	Package	Units/Box st.
15A634.1611	1000 ml	6
15A634.1214	5 l	4
15A634.0716	25 l	

1-Methyl-2-Pyrrolidone (VLSI) EG

C_5H_9NO

M: 99,13 CAS: 872-50-4 EINECS: 212-828-1 NC: 2933 79 00
HAZARDOUS:

Xi **R: 36/38 S: 41 CE: 606-021-00-7**

1l~1,033kg 1kg~0,968l

SPECIFICATIONS:

Assay ..... 99,8 %

MAXIMUM LIMIT OF IMPURITIES

APHA colour 25
Non-volatile matter ..... 0,001 %
Chloride (Cl) ..... 0,0001 %
Phosphate (PO_4) ..... 0,0005 %
Free amines ..... 0,01 %
Water (H_2O) ..... 0,05 %
0,5 µm particles ..... 250 /ml

Metals by ICP [µg/Kg (ppb)]

Ag	50	Cr	50	Ni	50
Al	100	Cu	50	Pb	50
As	50	Fe	100	Sb	50
Au	50	Ga	50	Sn	50
B	50	K	50	Sr	50
Ba	50	Li	50	Ti	50
Be	50	Mg	50	V	50
Ca	50	Mn	50	Zn	50
Cd	50	Mo	50		
Co	50	Na	50		

Order code	Package	Units/Box st.
873080.1212	2,5 l	4

1-Methyl-2-Pyrrolidone (UV-IR-HPLC-GPC) PAI

C_5H_9NO

M: 99,13 CAS: 872-50-4 EINECS: 212-828-1 NC: 2933 79 00
HAZARDOUS:

Xi **R: 36/38 S: 41 CE: 606-021-00-7**

1l~1,033kg 1kg~0,968l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Density at 20/4 1,031-1,034

MAXIMUM LIMIT OF IMPURITIES

APHA colour 50
Water (H_2O) ..... 0,05 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	262 (Cut off)	270	300	320	340-450
A (AU)	1,000	0,553	0,102	0,041	0,009
T (%)	10	28	79	91	98

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 6,7
Sol. H_2O in solv. at 20°C ..... miscible
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
363080.1611	1000 ml	6

1-Methyl-2-Pyrrolidone PA-ACS

C_5H_9NO

M: 99,13 CAS: 872-50-4 EINECS: 212-828-1 NC: 2933 79 00

HAZARDOUS:

Xi R: 36/38 S: 41 CE: 606-021-00-7

1l~1,033kg 1kg~0,968l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %

MAXIMUM LIMIT OF IMPURITIES

APHA colour 50
Free amines (as CH_3NH_2) ..... 0,01 %
Chloride (Cl) ..... 0,0001 %
Water(H_2O) ..... 0,05 %
Al ..... 0,00001 %
Au ..... 0,00001 %
Cr ..... 0,00001 %
Cu ..... 0,00001 %
Fe ..... 0,00001 %
K ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,00001 %
Na ..... 0,00003 %
Ni ..... 0,00001 %
Pb ..... 0,00001 %
Sb ..... 0,000005 %
Sn ..... 0,00001 %
Ti ..... 0,00001 %
Zn ..... 0,000005 %

Microfiltered product (0,2 um) and bottled under nitrogen atmosphere.

Order code	Package	Units/Box st.
133080.1611	1000 ml	6

1-Methyl-2-Pyrrolidone (BP, Ph. Eur.) PRS-CODEX

C_5H_9NO

M: 99,13 CAS: 872-50-4 EINECS: 212-828-1 NC: 2933 79 00

HAZARDOUS:

Xi R: 36/38 S: 41 CE: 606-021-00-7

1l~1,033kg 1kg~0,968l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,0 %
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance ..... p/t.
Alkalinity ..... p/t.
Related substances ..... p/t.
Water (H_2O) ..... 0,1 %
Heavy metals (as Pb) ..... 0,001 %
Residual solvents (Ph.Eur./USP) ..... p/t.

Order code	Package	Units/Box st.
143080.1611	1000 ml	6
143080.1214	5 l	4
143080.0716	25 l	

1-Methyl-2-Pyrrolidone BS

for synthesis of peptides

C_5H_9NO

M: 99,13 CAS: 872-50-4 EINECS: 212-828-1 NC: 2933 79 00

HAZARDOUS:

Xi R: 36/38 S: 41 CE: 606-021-00-7

1l~1,033kg 1kg~0,968l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 20/4 1,031-1,034
Free amines (as CH_3NH_2) ..... 0,0005 %
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
733080.1611	1000 ml	6
733080.1612	2,5 l	4

1-Methyl-2-Pyrrolidone, 99% PS

C_5H_9NO

M: 99,13 CAS: 872-50-4 EINECS: 212-828-1 NC: 2933 79 00

HAZARDOUS:

Xi R: 36/38 S: 41 CE: 606-021-00-7

1l~1,033kg 1kg~0,968l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,031-1,034
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
163080.1611	1000 ml	6
163080.1612	2,5 l	4
163080.1214	5 l	4
163080.0716	25 l	

N-Methylpyrrolidone

(see 1-Methyl-2-Pyrrolidone)

Methyl Red (C.I. 13020) PA-ACS

pH indicator 4,2 red; 6,2 yellow

$C_{15}H_{15}N_3O_2$

M: 269,31 CAS: 493-52-7 EINECS: 207-776-1 NC: 2927 00 00

SPECIFICATIONS:

Identity ..... IR p/t.
Melting range ..... 179-182°C
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

pH transition interval:
red 4,2
yellow 6,2
Transition interval according to ACS ..... p/t.
Insoluble matter in C_2H_5OH ..... p/t.
Loss on drying at 110°C ..... 5 %
Residue on ignition (as SO_4) ..... 2 %

Order code	Package	Units/Box st.
131617.1605	10 g	6
131617.1606	25 g	6
131617.1608	100 g	6
131617.1211	1000 g	6

Methyl Red solution 0,1% DC

$C_{15}H_{15}N_3O_2$

M: 269,31 NC: 3822 00 00 UN: 1993

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

F R: 10 S: 7-16

1l~0,870kg 1kg~1,149l

Composition:
Methyl red ..... 1 g
Ethanol 70% ..... 1000 ml

Order code	Package	Units/Box st.
251618.1208	100 ml	6

Methyl Red solution 0,1% RV

pH indicator 4,2 red; 6,2 yellow

$C_{15}H_{15}N_3O_2$

M: 269,31 NC: 3822 00 00 UN: 1993

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

F R: 10 S: 7-16

1l~0,870kg 1kg~1,149l

Composition:
Methyl red ..... 1 g
Ethanol 70% ..... 1000 ml

Order code	Package	Units/Box st.
281618.1208	100 ml	6

Methyl Red Sodium Salt (C.I. 13020) PA-ACS

pH indicator 4,2 red; 6,2 yellow

$C_{15}H_{14}N_3NaO_2$

M: 291,29 CAS: 845-10-3 EINECS: 212-682-9 NC: 2927 00 00

SPECIFICATIONS:

Identity ..... IR p/t.
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

pH transition interval:
red 4,2
yellow 6,2
Transition interval according to ACS ..... p/t.
Insoluble matter in H_2O ..... p/t.
Insoluble matter in C_2H_5OH ..... p/t.
Loss on drying at 110°C ..... 5 %

Order code	Package	Units/Box st.
133234.1606	25 g	6

5-Methylresorcinol

(see 3,5-Dihydroxytoluene 1-hydrate)

Methyl Salicylate synthetic (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

$C_8H_8O_3$

M: 152,15 CAS: 119-36-8 EINECS: 204-317-7 NC: 2918 23 10 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 914 CAO: 914
HAZARDOUS:

Xn **R: 22-36 S: 24-26**
1l~1,180kg 1kg~0,847l
SPECIFICATIONS:
Assay (G.C.).....99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
Density at 20/4 1,180-1,185
Refractive index n ^{20}/D 1,535-1,538
Angular rotation ..... inactive
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in C_2H_5OH 70% ..... p/t.
Acidity (as salicilic acid).....0,05 %
Residual solvents (Ph.Eur./USP)..... p/t.
Water (H_2O).....0,3 %
Heavy metals (as Pb).....0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142963.1611	1000 ml	6

Methyl Salicylate, 99% PS

$C_8H_8O_3$

M: 152,15 CAS: 119-36-8 EINECS: 204-317-7 NC: 2918 23 10 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 914 CAO: 914
HAZARDOUS:

Xn **R: 22-36 S: 24-26**
1l~1,180kg 1kg~0,847l
SPECIFICATIONS:
Minimum assay .....99 %

Order code	Package	Units/Box st.
152963.1608	100 ml	6
152963.1611	1000 ml	6

Methyl Stearate, 98% PS

$C_{19}H_{38}O_2$

M: 298,51 CAS: 112-61-8 EINECS: 203-990-4 NC: 2915 70 80
SPECIFICATIONS:
Minimum assay (G.C.) .....98 %
Identity.....IR p/t.

Order code	Package	Units/Box st.
152760.1604	5 g	6
152760.1607	50 g	6

Methylsulphonic Acid

(see Methanesulphonic Acid)

Methylsulphoxide

(see Dimethyl Sulphoxide)

Methyl Tetradecanoate

(see Methyl Myristate)

N 2-Methyltetrahydrofuran stabilized with ~300 ppm of BHT PS

$C_5H_{10}O$

M: 86,13 CAS: 96-47-9 EINECS: 202-507-4 NC: 2932 19 00 UN: 2536
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 36/37-11-19 S: 16-29-33**
1l~0,86kg 1kg~1,16l
SPECIFICATIONS:
Minimum assay (G.C.) .....99,5 %
Identity.....IR p/t.
Non-volatile matter.....0,03 %
Water (H_2O).....0,03 %

Order code	Package	Units/Box st.
156416.1611	1000 ml	6

Methylthymol Blue Sodium Salt PA-ACS

for complexometry
$C_{37}H_{40}N_2Na_4O_{13}S$

M: 844,76 CAS: 1945-77-3 EINECS: 217-743-3 NC: 2932 99 85
SPECIFICATIONS:
Identity.....IR p/t.
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Transition interval:
yellow 6,5
blue.....8,5
Transition interval according to ACS ..... p/t.
Insoluble matter in H_2O..... p/t.
Loss on drying at 135°C.....10 %
Suitability as metal indicator ..... p/t.

Order code	Package	Units/Box st.
132618.1603	1 g	6
132618.1604	5 g	6

Methyltrichloromethane

(see 1,1,1-Trichloroethane)

N-Methyltrifluoroacetamide, 98% PS

$C_3H_4F_3NO$

M: 127,07 CAS: 815-06-5 EINECS: 212-417-7 NC: 2924 19 00
HAZARDOUS:

Xi **R: 36/37/38 S: 22-28a**
SPECIFICATIONS:
Minimum assay (G.C.) .....98 %
Identity.....IR p/t.
Melting range..... 49-51°C

Order code	Package	Units/Box st.
15A842.1604	5 g	6

N-Methyl-N-(Trimethylsilyl) Trifluoroacetamide CG

for derivatization (GC)
$CF_3CON(CH_3)Si(CH_3)_3$

M: 199,25 CAS: 24589-78-4 EINECS: 246-331-6 NC: 2924 19 00 UN: 1993
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xi **R: 10-36/37/38 S: 7/8-16-24/25**
1l~1,076kg 1kg~0,929l
SPECIFICATIONS:
Minimum assay (G.C.) .....95,0 %
Identity.....IR p/t.
Product bottled under nitrogen atmosphere.

Order code	Package	Units/Box st.
355587.0922	20 x 1 ml	6
355587.1905	10 ml	6
355587.2522	10 x 10 ml	6
355587.1608	100 ml	6

N-Methyl-N-(Trimethylsilyl) Trifluoroacetamide, 95% PS

$CF_3CON(CH_3)Si(CH_3)_3$

M: 199,25 CAS: 24589-78-4 EINECS: 246-331-6 NC: 2924 19 00 UN: 1993
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xi **R: 10-36/37/38 S: 7/8-16-24/25**
1l~1,076kg 1kg~0,929l
Minimum assay (G.C.) ..... 95 %
Identity.....IR p/t.

Order code	Package	Units/Box st.
155587.1606	25 ml	6

4-Methylumbelliferyl-β-D-Glucuronide 3-hydrate PB

$C_{16}H_{16}O_9.3H_2O$

M: 406,33 CAS: 6160-80-1 EINECS: 228-186-0 NC: 2932 29 85
SPECIFICATIONS:
Minimum assay .....99 %
Identity.....IR p/t.

Order code	Package	Units/Box st.
376104.1603	1 g	6
376104.1604	5 g	6

Methyl Violet (C.I. 42535) DC

for microscopy, diptherial bacteria staining

CAS: 8004-87-3 EINECS: 210-042-3 NC: 3204 16 00

HAZARDOUS:

Xn

R: 22

SPECIFICATIONS:

Identity.....IR p/t.
λ of max. ABS in C_2H_5OH 50%..... 583-587 nm
A 1%, 1cm, λmax.....>1600
Ratio λmax. P ± 15 nm..... 1,06-1,19
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C.....10 %

Order code	Package	Units/Box st.
252079.1606	25 g	6
252079.1608	100 g	6

Methyl Violet 2B

(see Methyl Violet)

Methyl Yellow

(see 4-(Dimethylamino) Azobenzene)

Methyl Yellow solution 0,5% RV

pH indicator 2,9 red; 4,0 yellow

$C_{14}H_{15}N_3$

M: 225,30 CAS: 60-11-7 NC: 3822 00 00 UN: 1993

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F

R: 10 S: 16

1l~0,828kg 1kg~1,208l

Composition:
p-(Dimethylamino) Azobenzene .....0,5 g
Ethanol absolute.....90 ml
Water s.q.m .....100 ml

Order code	Package	Units/Box st.
281109.1208	100 ml	6

Metol

(see 4-Methylaminophenol Sulphate)

Meyer's Reagent DC

for hematology, blood (hemoglobin) in faeces, urine, duodenal liquid and gastric juice

NC: 3822 00 00 UN: 1760

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

C

R: 35 S: 26-37/39-45

1l~1,200kg 1kg~0,833l

Composition:
Potassium Hydroxide 85% pellets .....20 g
Zinc metal.....15 g
Phenolphthalein.....2 g
Water s.q.m .....100 ml

Order code	Package	Units/Box st.
251579.1608	100 ml	6

MIBK

(see 4-Methyl-2-Pentanone)

Microbiology

(see chapter CULTIMED products)

Micropowder Wax (Licowax C®) PA

(® Registered trade-mark of Clariant)for X-ray fluorescence

CAS: 110-30-5 EINECS: 203-755-6 NC: 2712 90 99

SPECIFICATIONS:

Metals by ICP [mg/Kg (ppm)]

Bi 10	Fe.....5	Sr 5
Co.....5	Mn 5	Tl.....10
Cr.....5	Ni 5	Zn 5
Cu.....5	Pb 10	

Order code	Package	Units/Box st.
126150.1211	1000 g	6

Millon's Reagent DC

for determination of phenols, tyrosine and albuminoids

NC: 3822 00 00 UN: 2024

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 617 CAO: 612

HAZARDOUS:

T+ N

R: 26/27/28-33-36/38-51 S: 26-36/37-45-61

1l~1,358kg 1kg~0,736l

Composition:
Mercury metal.....23 g
Nitric Acid 60% .....33,3 ml
Water .....68 ml

Order code	Package	Units/Box st.
251580.1608	100 ml	6

Minium

(see Lead tetra-Oxide)

Mixture Cyclohexane/Ethyl Acetate 1:1 v/v (PAR) PAI

NC: 3822 00 00 UN: 1993

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xi N

R: 11-36/38-50/53-65-66-67 S: 9-16-26-33-60-61-62

1l~0,832kg 1kg~1,202l

SPECIFICATIONS:

MAXIMUM LIMIT OF IMPURITIES

APHA colour.....10
Non-volatile matter..... 0,0005 %
Acidity..... 0,0008 meq/g
Water (H_2O) ..... 0,02 %
Signal ECD of pesticide (Lindane to DDT) (as Lindane) .....5 ng/l
Signal PND of pesticide (Ethylparathion to Coumaphos)
(as Ethylparathion).....5 ng/l

Order code	Package	Units/Box st.
326165.0515	10 l	

Mixture TAN PA

NC: 3822 00 00 UN: 1993

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn

R: 11-20-36-67 S: 7-16-24/25-26

1l~0,822kg 1kg~1,216l

SPECIFICATIONS:

Composition according to ASTM D 664-07 ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Acidity value 0,005

Order code	Package	Units/Box st.
124860.1611	1000 ml	6
124860.1612	2,5 l	4

Mixture TBN PA

NC: 3822 00 00 UN: 2924

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

C Xn

R: 10-34-20 S: 24/25-23c-26-45

1l~1,078kg 1kg~0,927l

Composition:
Chlorobenzene .....667 ml
Acetic Acid .....333 ml

Order code	Package	Units/Box st.
124856.1611	1000 ml	6
124856.1612	2,5 l	4

Modifiers for AA

(see Matrix Modifiers for Atomic Absorption)

Mohr's Salt

(see Ammonium Iron(II) Sulphate 6-hydrate)

Molecular Sieve 3Å (2 mm diameter particle) RE

$Al_{12}K_{12}O_{48}Si_{12}.xH_2O$

CAS: 1318-02-1 EINECS: 215-283-8 NC: 3824 90 15

SPECIFICATIONS:

Water adsorption capacity ..... 20 %

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 950°C..... 1,5 %

Order code	Package	Units/Box st.
175349.1609	250 g	6
175349.1611	1000 g	6

Molecular Sieve 4Å RE

$Al_{12}Na_{12}O_{48}Si_{12}.H_2O$

CAS: 1318-02-1 EINECS: 215-283-8 NC: 3824 90 15

SPECIFICATIONS:

Water adsorption capacity ..... 17,5 %

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 950°C ..... 2,5 %

Order code	Package	Units/Box st.
175350.1609	250 g	6
175350.1611	1000 g	6

Molecular Sieve 5Å (2 mm diameter particle) RE

$Al_{12}Ca_4,5Na_3O_{48}Si_{12}.xH_2O$

CAS: 1318-02-1 EINECS: 215-283-8 NC: 3824 90 15

SPECIFICATIONS:

Water adsorption capacity ..... 21,5 %

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 950°C ..... 1,5 %

Order code	Package	Units/Box st.
175351.1609	250 g	6
175351.1611	1000 g	6

Molecular Sieve 10Å (2 mm diameter particle) RE

CAS: 1318-02-1 EINECS: 215-283-8 NC: 3824 90 15

SPECIFICATIONS:

Water adsorption capacity ..... 18,5 %

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 950°C ..... 3,5 %

Order code	Package	Units/Box st.
175352.1609	250 g	6
175352.1611	1000 g	6

MOLYBDENUM SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Molybdenum(VI) Oxide PRS

MoO_3

M: 143,94 CAS: 1313-27-5 EINECS: 215-204-7 NC: 2825 70 00 UN: 3288

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn

R: 36/37-40 S: 22-36/37 CE: 042-001-00-9

SPECIFICATIONS:

Assay (as MoO_3) (Compl.) ..... 99 %
Insoluble matter in NH_4OH ..... 0,05 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,5 %
Cu ..... 0,002 %
Fe ..... 0,001 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
142791.1209	250 g	6
142791.1211	1000 g	6
142791.1214	5 kg	4

Molybdenum Trioxide

(see Molybdenum(VI) Oxide)

Molybdic Acid (contains ammonium molybdate) PA-ACS

$\sim MoO_4H_2+Mo_7O_{24}(NH_4)_6$

CAS: 7782-91-4 EINECS: 231-970-5 NC: 2825 70 00

SPECIFICATIONS:

Minimum assay (as MoO_3) ..... 85,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in NH_4OH ..... 0,01 %
Arsenate, phosphate and silicate (as SiO_2) ..... 0,001 %
Chloride (Cl) ..... 0,002 %
Phosphate (PO_4) ..... 0,0005 %
Sulphate (SO_4) ..... 0,2 %
Heavy metals (as Pb) ..... 0,003 %
Cu ..... 0,001 %
Fe ..... 0,0005 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
131035.1208	100 g	6
131035.1209	250 g	6
131035.1211	1000 g	6
131035.1214	5 kg	4

Molybdic Acid (contains ammonium molybdate) PRS

$\sim MoO_4H_2+Mo_7O_{24}(NH_4)_6$

CAS: 7782-91-4 EINECS: 231-970-5 NC: 2825 70 00

SPECIFICATIONS:

Assay (as MoO_3)(Compl.) ..... 85 %
Insoluble matter in NH_4OH ..... 0,05 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,5 %
Cu ..... 0,002 %
Fe ..... 0,001 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141035.1208	100 g	6
141035.1209	250 g	6
141035.1211	1000 g	6

Molybdic Anhydride

(see Molybdenum(VI) Oxide)

Molybdophosphoric Acid

(see Phosphomolybdic Acid x-hydrate)

Monoacetin

(see Glycerol mono-Acetate)

Monochlorobenzene

(see Chlorobenzene)

Monomethylamine

(see Methylamine)

MOPS

(see 3-Morpholinopropanesulfonic Acid)

MOPSO

(see 2-Hydroxy-3-Morpholinopropanesulphonic Acid)

Mordant Black 11

(see Eriochrome Black T)

Mordant Blue 3

(see Eriochromecyanine R)

Mordant Orange 1

(see Alizarin Yellow R)

Mordant Red 3

(see Alizarin Red S)

Mordant Red 11

(see Alizarin)

Mordant Yellow 1

(see Alizarin Yellow GG)

Morpholine (Reag. Ph. Eur.) PA-ACS

C_4H_8NO

M: 87,12 CAS: 110-91-8 EINECS: 203-815-1 NC: 2934 99 90 UN: 2054

IMDG: 8/I ADR: 8/I IATA: 8/I PAX: 807 CAO: 809

HAZARDOUS:

C

R: 10-20/21/22-34 S: 23c-36-45 CE: 613-028-00-9

1l~1,002kg 1kg~0,998l

SPECIFICATIONS:

Minimum assay ..... 99,0 %
Identity ..... IR p/t.
Boiling range ..... 126,0-130,0°C

MAXIMUM LIMIT OF IMPURITIES

APHA colour 15
Water (H_2O) ..... 0,3 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

Order code	Package	Units/Box st.
131435.1610	500 ml	6

Morpholine, 98% PS

C_4H_9NO

M: 87,12 CAS: 110-91-8 EINECS: 203-815-1 NC: 2934 99 90 UN: 2054
IMDG: 8/I ADR: 8/I IATA: 8/I PAX: 807 CAO: 809
HAZARDOUS:

C

R: 10-20/21/22-34 S: 23c-36-45 CE: 613-028-00-9
1l~1,002kg 1kg~0,998l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 25/4 0,994-0,997
Water (H_2O) ..... 0,3 %

Order code	Package	Units/Box st.
161435.1611	1000 ml	6
161435.1612	2,5 l	4
161435.0716	25 l	

Morpholinium Iodide, 99% PS

$C_4H_{10}INO$

M: 215,03 CAS: 58464-45-2 NC: 2934 99 90
SPECIFICATIONS:
Minimum assay (Arg.) ..... 99 %
Identity ..... IR p/t.
Water (H_2O) ..... 0,5 %

Order code	Package	Units/Box st.
15A828.1209	250 g	6
15A828.0914	5 kg	

1-Morpholinocyclohexene

(see 1-(4-Morpholino) Cyclohexene)

1-(4-Morpholino) Cyclohexene, 98% PS

$C_{10}H_{17}NO$

M: 167,25 CAS: 670-80-4 EINECS: 211-579-6 NC: 2934 99 90
HAZARDOUS:

Xi

R: 36/37/38 S: 26-37/39
1l~0,995kg 1kg~1,005l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C006.1606	25 ml	6
15C006.1608	100 ml	6

N-Morpholino-1-Cyclohexene

(see 1-(4-Morpholino) Cyclohexene)

2-Morpholinoethanesulphonic Acid 1-hydrate PB

$C_6H_{13}NO_4S.H_2O$

M: 213,25 CAS: 145224-94-8 EINECS: 224-632-3 NC: 2934 99 90
SPECIFICATIONS:
Minimum assay (Acidim.) ..... 99 %
Identity ..... IR p/t.
pH of 0,5M solution 2,5-4,0
MAXIMUM LIMIT OF IMPURITIES
ABS at λ250 nm 5% sol. in H_2O 0,05
Sulphate (SO_4) ..... 0,005 %
Water (H_2O) ..... 5 - 10 %
Heavy metals (as Pb) ..... 0,05 %

Order code	Package	Units/Box st.
376021.1606	25 g	6
376021.1609	250 g	6

3-Morpholinopropanesulphonic Acid PB

$C_7H_{15}NO_4S$

M: 209,26 CAS: 1132-61-2 EINECS: 214-478-5 NC: 2934 99 90
SPECIFICATIONS:
Minimum assay ..... 99 %
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 105°C ..... 1,0 %
ABS at λ260 nm of 0,1 mol/l sol. in H_2O 0,02
Sulphate (SO_4) ..... 0,05 %
Heavy metals (as Pb) ..... 0,001 %

Order code	Package	Units/Box st.
375230.1206	25 g	6
375230.1208	100 g	6
375230.1209	250 g	6

Mounting mediums

(see DPX, Eukitt ®, Histofluid ® and Mounting Medium for substitutes of xylene)

Mounting Medium for substitutes of xylene DC

for microscopy
NC: 3822 00 00
1l~0,820kg 1kg~1,220l
SPECIFICATIONS:
Density at 25°C 0,815-0,825

Order code	Package	Units/Box st.
255811.0008	100 ml	6

MSTFA

(see N-Methyl-N-(Trimethylsilyl) Trifluoroacetamide)

MTBE

(see tert-Butyl Methyl Ether)

MUG

(see 4-Methylumbelliferyl-β-D-Glucuronide)

Murexide (C.I. 56085) (Reag. Ph. Eur.) PA-ACS

for complexometry
$C_8H_8N_6O_6$

M: 284,19 CAS: 3051-09-0 EINECS: 221-266-6 NC: 2933 53 90
SPECIFICATIONS:
Identity ..... IR p/t.
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 135°C ..... 10 %
Suitability as complexometric indicator ..... p/t.

Order code	Package	Units/Box st.
131436.1604	5 g	6
131436.1606	25 g	6

Murexide 1% in Sodium Chloride RV

for complexometry
NC: 3822 00 00
Composition:
Murexide ..... 1 g
Sodium Chloride ..... 99 g

Order code	Package	Units/Box st.
281437.1607	50 g	6
281437.1608	100 g	6

Muthmann's Liquid

(see 1,1,2,2-Tetrabromoethane)

Mycological Peptone (Ingredient) CULTIMED

Nutritional ingredient to prepare culture media
NC: 3504 00 00
SPECIFICATIONS:
pH of 2% solution 6-7,5
Loss on drying at 105°C ..... 6 %
Residue on ignition (as SO_4) ..... 15 %
Total Nitrogen ..... ≥10 %

Order code	Package	Units/Box st.
404140.1210	500 g	6
404140.0914	5 kg	
404140.0416	25 kg	

Myristic Acid, 98% PS

$CH_3(CH_2)_{12}COOH$

M: 228,38 CAS: 544-63-8 EINECS: 208-875-2 NC: 2915 90 80
SPECIFICATIONS:
Minimum assay (G.C. as methyl ester) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 52-55°C

Order code	Package	Units/Box st.
162591.1209	250 g	6
162591.1211	1000 g	6

Myristic Acid Methyl Ester

(see Methyl Myristate)

Nalidixic Acid PB

$C_{12}H_{12}N_2O_3$

M: 232,24 CAS: 389-08-2 EINECS: 206-864-7 NC: 2933 91 90 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn **R: 22**

SPECIFICATIONS:
Minimum assay calc. a.a.s. ..... 99,0 %
Identity ..... IR p/t.
Melting range ..... 225-231°C

MAXIMUM LIMIT OF IMPURITIES
Loss on drying ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,1 %
ABS at λ 420 nm 3% sol. in $CHCl_3$ 0,10
Heavy metals (as Pb) ..... 0,002 %

Order code	Package	Units/Box st.
375545.1604	5 g	6
375545.1606	25 g	6

Naphta

(see Petroleum Ether)

Naphthalene PRS

$C_{10}H_8$

M: 128,16 CAS: 91-20-3 EINECS: 202-049-5 NC: 2902 90 10 UN: 1334
IMDG: 4.1/III ADR: 4.1/III IATA: 4.1/III PAX: 419 CAO: 420
HAZARDOUS:

Xn N **R: 22-40-50/53 S: 36/37-46-60-61 CE: 601-052-00-2**

SPECIFICATIONS:
Assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 79-81°C
Non-volatile matter ..... 0,02 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141438.1210	500 g	6
141438.1211	1000 g	6
141438.0914	5 kg	
141438.0416	25 kg	

Naphthalene, 98% PS

$C_{10}H_8$

M: 128,16 CAS: 91-20-3 EINECS: 202-049-5 NC: 2902 90 10 UN: 1334
IMDG: 4.1/III ADR: 4.1/III IATA: 4.1/III PAX: 419 CAO: 420
HAZARDOUS:

Xn N **R: 22-40-50/53 S: 36/37-46-60-61 CE: 601-052-00-2**

SPECIFICATIONS:
Assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 79-81°C

Order code	Package	Units/Box st.
151438.1209	250 g	6
151438.1211	1000 g	6

1-Naphthaleneacetic Acid, 97% PS

$C_{12}H_{10}O_2$

M: 186,21 CAS: 86-87-3 EINECS: 201-705-8 NC: 2916 39 00
HAZARDOUS:

Xn **R: 22-36/37 S: 26-36/39**

SPECIFICATIONS:
Assay ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A428.1206	25 g	6
15A428.1208	100 g	6

Naphthalene Black 10 B

(see Amido Black 10B)

1,4-Naphthalenedione

(see 1,4-Naphthoquinone)

Naphthalidine

(see 1-Naphthylamine)

1-Naphthol (Reag. USP, Ph. Eur.) PA

$C_{10}H_8O$

M: 144,17 CAS: 90-15-3 EINECS: 201-969-4 NC: 2907 15 10
HAZARDOUS:

Xn **R: 21/22-37/38-41 S: 22-26-37/39 CE: 604-029-00-5**

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Melting range ..... 95-97°C

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in CH_3OH ..... 0,01 %
Residue on ignition (as SO_4) ..... 0,01 %
Acidity ..... p/t.
Naphthalene (G.C.) ..... 0,2 %
2-Naphthol (G.C.) ..... 0,2 %
Water (H_2O) ..... 0,2 %
Chloride (Cl) ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
122855.1607	50 g	6
122855.1609	250 g	6

1-Naphthol, 99% PS

$C_{10}H_8O$

M: 144,17 CAS: 90-15-3 EINECS: 201-969-4 NC: 2907 15 10
HAZARDOUS:

Xn **R: 21/22-37/38-41 S: 22-26-37/39 CE: 604-029-00-5**

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 94-97°C
Water (H_2O) ..... 0,5 %

Order code	Package	Units/Box st.
162855.1610	500 g	6
162855.0914	5 kg	

2-Naphthol PRS

$C_{10}H_7OH$

M: 144,17 CAS: 135-19-3 EINECS: 205-182-7 NC: 2907 15 90 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911
HAZARDOUS:

Xn N **R: 20/22-50 S: 24/25-61 CE: 604-007-00-5**

SPECIFICATIONS:
Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 121-123°C
Insoluble matter in CH_3OH ..... 0,02 %
Residue on ignition (as SO_4) ..... 0,1 %
Acidity ..... p/t.
Chloride (Cl) ..... 0,02 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141194.1208	100 g	6
141194.1210	500 g	6
141194.0914	5 kg	

2-Naphthol, 99% PS

$C_{10}H_7OH$

M: 144,17 CAS: 135-19-3 EINECS: 205-182-7 NC: 2907 15 90 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911
HAZARDOUS:

Xn N **R: 20/22-50 S: 24/25-61 CE: 604-007-00-5**

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 121-123°C

Order code	Package	Units/Box st.
161194.1210	500 g	6

β-Naphthol

(see 2-Naphthol)

Naphtol Blue Black

(see Amido Black 10B)

Naphthol Green B (C.I. 10020) PA-ACS

$C_{30}H_{15}FeN_3Na_3O_{15}S_3$

M: 878,47 CAS: 19381-50-1 EINECS: 243-010-2 NC: 3204 12 00

SPECIFICATIONS:

Identity.....IR p/t.
T.L.C .....p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O.....p/t.
Loss on drying at 110°C.....10 %
Suitability as a mixed indicator for compexometry according to ACS.....p/t.

Order code	Package	Units/Box st.
133066.1606	25 g	6

1,4-Naphthoquinone, 97% PS

$C_{10}H_6O_2$

M: 158,16 CAS: 130-15-4 EINECS: 204-977-6 NC: 2914 69 10 UN: 2811

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T+ **R: 25-26-36/37/38-43 S: 26-28a-36/37-45**

SPECIFICATIONS:

Minimum assay .....97 %
Identity.....IR p/t.
Melting range.....120-124°C

Order code	Package	Units/Box st.
15A599.1209	250 g	6
15A599.1211	1000 g	6

1-Naphthylacetic Acid

(see 1-Naphthaleneacetic Acid)

1-Naphthylamine, 99% PS

$C_{10}H_9N$

M: 143,19 CAS: 134-32-7 EINECS: 205-138-7 NC: 2921 45 00 UN: 2077

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn N **R: 22-51/53 S: 24-61 CE: 612-020-00-2**

SPECIFICATIONS:

Minimum assay (G.C.) .....99 %
Identity.....IR p/t.
Melting range.....48-50°C

Order code	Package	Units/Box st.
15A612.1608	100 g	6
15A612.1610	500 g	6

1-Naphthyl Bromide

(see 1-Bromonaphthalene)

2-Naphthyl Bromide

(see 2-Bromonaphthalene)

N-(1-Naphthyl) Ethylenediamine Dihydrochloride PA-ACS

$C_{12}H_{16}Cl_2N_2$

M: 259,18 CAS: 1465-25-4 EINECS: 215-981-2 NC: 2921 59 90

SPECIFICATIONS:

Minimum assay (Arg.) calc. a.d.s.....98,0 %
Identity.....IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O.....p/t.
Sensitivity to sulphanilamide.....p/t.
Water (H_2O).....5 %

Order code	Package	Units/Box st.
132751.1604	5 g	6
132751.1606	25 g	6

Natural Black 1

(see Hematoxylin)

Natural Carminic Acid

(see Cochineal)

Natural Red 4

(see Cochineal)

Natural Red 28

(see Orcein)

Natural Yellow 3

(see Curcumin)

NBS

(see N-Bromosuccinimide)

Neocuproin PA

for determination of copper

$C_{14}H_{12}N_2$

M: 208,26 CAS: 484-11-7 EINECS: 207-601-9 NC: 2933 99 90

SPECIFICATIONS:

Identity.....IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O.....0,2 %
Loss on drying at 120°C.....5 %
Residue on ignition (as SO_4).....0,2 %
Sensitivity to Cu .....p/t.

Order code	Package	Units/Box st.
121662.1603	1 g	6
121662.1604	5 g	6

NEODYMIUM SOLUTIONS

(see Standards for ICP)

Nessler's Reagent RE

for determination of ammonia and ammonia salts

NC: 3822 00 00 UN: 3287

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618

HAZARDOUS:

T+ **R: 28-34-48/24/25-52 S: 36/37/39-45**

1l~1,272kg 1kg~0,786l

Composition:
Mercury(II) Iodide.....100 g
Potassium Iodide.....70 g
Sodium Hydroxide.....160 g
Water s.q.m .....1 l

Order code	Package	Units/Box st.
171581.1209	250 ml	6

Nessler's Reagent A RE

for determination of ammonia and ammonia salts

NC: 3822 00 00 UN: 3287

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 603 CAO: 604

HAZARDOUS:

T+ N **R: 26/27/28-33-51 S: 13-28a-45-61**

1l~1,25kg 1kg~0,80l

Composition:
Mercury(II) Iodide.....150 g
Potassium Iodide.....110 g
Water s.q.m .....1 l

Order code	Package	Units/Box st.
174230.1608	100 ml	6

Nessler's Reagent B RE

for determination of ammonia and ammonia salts

NC: 3822 00 00 UN: 1719

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813

HAZARDOUS:

C **R: 35 S: 26-37/39-45**

1l~1,30kg 1kg~0,77l

Composition:
Sodium Hydroxide.....250 g
Water s.q.m .....1 l

Order code	Package	Units/Box st.
174231.1208	100 ml	6

Neutral Red (C.I. 50040) PA

pH indicator 6,8 red; 8,0 yellow orange

$C_{15}H_{17}ClN_4$

M: 288,78 CAS: 553-24-2 EINECS: 209-035-8 NC: 3204 13 00

HAZARDOUS:

Xn **R: 22**

SPECIFICATIONS:

Identity.....IR p/t.
λ of max. ABS in ethanol 50% .....538-544 nm
A 1%, 1cm, λmax (calc. a.d.s.) 900
T.L.C. .....p/t.

MAXIMUM LIMIT OF IMPURITIES

pH transition interval:
red 6,8
yellow-orange.....8,0
Loss on drying at 135°C.....12 %

Order code	Package	Units/Box st.
121619.1605	10 g	6
121619.1606	25 g	6

Neutral Red (C.I. 50040) DC

for microscopy, Koch's bacilli staining
$C_{15}H_{17}ClN_4$
M: 288,78 CAS: 553-24-2 EINECS: 209-035-8 NC: 3204 13 00
HAZARDOUS:
Xn
R: 22
SPECIFICATIONS:
Identity ..... IR p/t.
λ of max. ABS in ethanol 50% ..... 538-544 nm
A 1%, 1cm, λmax (calc. a.d.s.) 900
Ratio λmax. P ± 15 nm 1,00-1,12
T.L.C. ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 135°C ..... 12 %

Order code	Package	Units/Box st.
251619.1605	10 g	6
251619.1606	25 g	6

Neutral Red solution 0,1% RV

pH indicator 6,8 red; 8,0 yellow orange
$C_{15}H_{17}ClN_4$
M: 288,78 NC: 3822 00 00
1l~0,982kg 1kg~1,018l
Composition:
Neutral red ..... 1 g
Ethanol absolute ..... 150 ml
Water ..... 950 ml

Order code	Package	Units/Box st.
281620.1208	100 ml	6

Niacin

(see Nicotinic Acid)

Nickel metal, balls (Reag. USP) PA

Ni
M: 58,71 CAS: 7440-02-0 EINECS: 231-111-4 NC: 7508 90 00
HAZARDOUS:
T
R: 40-43-48/23 S: 36/37/39-45 CE: 028-002-00-7
SPECIFICATIONS:
Minimum assay ..... 99,5 %
MAXIMUM LIMIT OF IMPURITIES
Co ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
124280.1208	100 g	6

NICKEL SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Nickel(II) Acetate 4-hydrate PA

$Ni(CH_3COO)_2.4H_2O$
M: 248,86 CAS: 6018-89-9 EINECS: 206-761-7 NC: 2915 29 00
HAZARDOUS:
T
R: 49-43 S: 53-36/37/39-45
SPECIFICATIONS:
Minimum assay (Compl.) ..... 99,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,01 %
Chloride (Cl) ..... 0,002 %
Sulphate (SO_4) ..... 0,02 %
Ca ..... 0,01 %
Co ..... 0,1 %
Cu ..... 0,005 %
Fe ..... 0,002 %
K ..... 0,05 %
Mg ..... 0,005 %
Na ..... 0,05 %
Pb ..... 0,003 %
Zn ..... 0,005 %

Order code	Package	Units/Box st.
121441.1209	250 g	6
121441.1211	1000 g	6

Nickel(II) Acetate 4-hydrate PRS

$Ni(CH_3COO)_2.4H_2O$
M: 248,86 CAS: 6018-89-9 EINECS: 206-761-7 NC: 2915 29 00
HAZARDOUS:
T
R: 49-43 S: 53-36/37/39-45
SPECIFICATIONS:
Assay(Compl.) ..... 98 %
Insoluble matter in H_2O ..... 0,025 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,05 %
Fe ..... 0,005 %
Pb ..... 0,005 %
Zn ..... 0,1 %

Order code	Package	Units/Box st.
141441.1209	250 g	6
141441.0914	5 kg	

Nickel-Aluminium alloy according to Raney PS

CAS: 12003-78-0 EINECS: 234-439-6 NC: 7601 20 99 UN: 3089
IMDG: 4.1/II ADR: 4.1/II IATA: 4.1/II PAX: 415 CAO: 417
HAZARDOUS:
F Xn
R: 15-40-43 S: 7/8-22-36-43h
SPECIFICATIONS:
Assay (Al) ..... ~50 %
Assay (Ni) ..... ~50 %

Order code	Package	Units/Box st.
15A707.1209	250 g	6
15A707.1211	1000 g	6

Nickel(II) Carbonate Basic

(see Nickel(II) Hydroxide Carbonate x-hydrate)

Nickel(II) Chloride 6-hydrate PA

$NiCl_2.6H_2O$
M: 237,71 CAS: 7791-20-0 EINECS: 231-743-0 NC: 2827 35 00 UN: 3288
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:
T N
R: 49-61-23/25-38-42/43-48/23-68-50/53 S: 53-45-60-61
SPECIFICATIONS:
Minimum assay (Compl.) ..... 98,0 %
pH of 5% solution ..... ≥3
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Sulphate (SO_4) ..... 0,02 %
Ca ..... 0,005 %
Cd ..... 0,002 %
Co ..... 0,01 %
Cu ..... 0,005 %
Fe ..... 0,001 %
K ..... 0,01 %
Na ..... 0,05 %
Pb ..... 0,003 %
Zn ..... 0,005 %

Order code	Package	Units/Box st.
121443.1209	250 g	6
121443.1211	1000 g	6
121443.0416	25 kg	

Nickel(II) Chloride 6-hydrate PRS

$NiCl_2.6H_2O$
M: 237,71 CAS: 7791-20-0 EINECS: 231-743-0 NC: 2827 35 00 UN: 3288
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:
T N
R: 49-61-23/25-38-42/43-48/23-68-50/53 S: 53-45-60-61
SPECIFICATIONS:
Assay (Compl.) ..... 98 %
pH of 5% solution ..... ≥3
Insoluble matter in H_2O ..... 0,025 %
Sulphate (SO_4) ..... 0,05 %
Ca ..... 0,03 %
Cu ..... 0,01 %
Fe ..... 0,005 %
Pb ..... 0,005 %
Zn ..... 0,05 %

Order code	Package	Units/Box st.
141443.1209	250 g	6
141443.1211	1000 g	6
141443.1214	5 kg	4
141443.0416	25 kg	

Nickel(II) Hydroxide Carbonate x-hydrate PRS

$NiCO_3.2Ni(OH)_2.xH_2O$

M: 304,15(anh) CAS: 39430-27-8 EINECS: 235-715-9 NC: 2836 99 17

HAZARDOUS:

R: 49-61-20/22-38-42/43-48/23-68-50/53 S: 53-45-60-61

SPECIFICATIONS:

Assay (as Ni)(Compl.) ..... 47-51 %
Insoluble matter in HCl ..... 0,05 %
Chloride (Cl) ..... 0,1 %
Co ..... 0,1 %
Cu ..... 0,005 %
Fe ..... 0,01 %
Pb ..... 0,005 %
Zn ..... 0,005 %

Order code	Package	Units/Box st.
141442.1209	250 g	6
141442.0914	5 kg	
141442.0416	25 kg	

Nickel(II) Nitrate 6-hydrate PA

$Ni(NO_3)_2.6H_2O$

M: 290,81 CAS: 13478-00-7 EINECS: 236-068-5 NC: 2834 29 20 UN: 2725
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

HAZARDOUS:

R: 49-61-8-20/22-38-41-42/43-48/23-68-50/53
S: 53-45-60-61

SPECIFICATIONS:

Minimum assay (Compl.) ..... 99 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,002 %
Sulphate (SO_4) ..... 0,01 %
Ammonium (NH_4) ..... 0,05 %
Ca ..... 0,1 %
Cd ..... 0,002 %
Co ..... 0,2 %
Cu ..... 0,005 %
Fe ..... 0,002 %
K ..... 0,01 %
Na ..... 0,05 %
Pb ..... 0,003 %
Zn ..... 0,03 %

Order code	Package	Units/Box st.
121444.1209	250 g	6
121444.1211	1000 g	6
121444.1214	5 kg	4

Nickel(II) Nitrate 6-hydrate PRS

$Ni(NO_3)_2.6H_2O$

M: 290,81 CAS: 13478-00-7 EINECS: 236-068-5 NC: 2834 29 20 UN: 2725
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

HAZARDOUS:

R: 49-61-8-20/22-38-41-42/43-48/23-68-50/53
S: 53-45-60-61

SPECIFICATIONS:

Assay (Compl.) ..... 98 %
Insoluble matter in H_2O ..... 0,025 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,03 %
Ca ..... 0,2 %
Fe ..... 0,005 %
Pb ..... 0,005 %
Zn ..... 0,05 %

Order code	Package	Units/Box st.
141444.1209	250 g	6
141444.1211	1000 g	6
141444.1214	5 kg	4
141444.0416	25 kg	

Nickelous

(see Nickel(II) compounds)

Nickel Oxide black PRS

CAS: 1313-99-1 EINECS: 215-215-7 NC: 2825 40 00

HAZARDOUS:

R: 49-43-53 S: 53-45-61 CE: 028-003-00-2

SPECIFICATIONS:

Assay (as Ni)(Compl.) ..... 75 %
Insoluble matter in HCl ..... 0,05 %
Chloride (Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,02 %
Co ..... 0,1 %
Cu ..... 0,01 %
Fe ..... 0,01 %
Pb ..... 0,01 %
Zn ..... 0,05 %

Mixture of aprox. 50% Ni_2O_3 + 50% NiO.

Order code	Package	Units/Box st.
142730.1209	250 g	6
142730.1211	1000 g	6

Nickel-Raney Catalyst

(see Nickel-Aluminium alloy according to Raney)

Nickel(II) Sulphate 6-hydrate PA-ACS

$NiSO_4.6H_2O$

M: 262,86 CAS: 10101-97-0 EINECS: 232-104-9 NC: 2833 24 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

R: 49-61-20/22-38-42/43-48/23-68-50/53 S: 53-45-60-61

CE: 028-009-00-5

SPECIFICATIONS:

Assay (Compl.) 99,0-102,0%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Nitrogen compounds (as N) ..... 0,002 %
Chloride (Cl) ..... 0,001 %
Ca ..... 0,005 %
Cd ..... 0,001 %
Co ..... 0,002 %
Cu ..... 0,002 %
Fe ..... 0,001 %
K ..... 0,01 %
Mg ..... 0,005 %
Mn ..... 0,002 %
Na ..... 0,05 %
Pb ..... 0,002 %
Zn ..... 0,002 %

Order code	Package	Units/Box st.
131445.1209	250 g	6
131445.1211	1000 g	6
131445.1214	5 kg	4
131445.0416	25 kg	

Nickel(II) Sulphate 6-hydrate PRS

$NiSO_4.6H_2O$

M: 262,86 CAS: 10101-97-0 EINECS: 232-104-9 NC: 2833 24 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

R: 49-61-20/22-38-42/43-48/23-68-50/53 S: 53-45-60-61

CE: 028-009-00-5

SPECIFICATIONS:

Assay (Compl.) ..... 99-102 %
Insoluble matter in H_2O ..... 0,025 %
Nitrogen compounds (as N) ..... 0,005 %
Chloride (Cl) ..... 0,02 %
Co ..... 0,05 %
Cu ..... 0,01 %
Fe ..... 0,005 %
Zn ..... 0,006 %

Order code	Package	Units/Box st.
141445.1209	250 g	6
141445.1211	1000 g	6
141445.1214	5 kg	4
141445.0416	25 kg	

PANREAC SINTESIS

Intermedios para síntesis
Synthesis intermediates
Intermédiaires de synthèse

Nicotinic Acid (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_6H_5NO_2$

M: 123,11 CAS: 59-67-6 EINECS: 200-441-0 NC: 2936 29 90

HAZARDOUS:

Xi R: 36 S: 26

SPECIFICATIONS:

Assay (Acidim.) calc. a.d.s. 99,5-100,5%
Identity according to Pharmacopoeias ..... p/t.
Melting range ..... 234-238°C

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 1,0 %
Residue on ignition (as SO_4) ..... 0,1 %
Organic volatile impurities ..... p/t.
Related substances ..... p/t.
Chloride (Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,02 %
Heavy metals (as Pb) ..... 0,002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
143389.1209	250 g	6
143389.1214	5 kg	4

Nicotinic Acid, 99% PS

$C_6H_5NO_2$

M: 123,11 CAS: 59-67-6 EINECS: 200-441-0 NC: 2936 29 90

HAZARDOUS:

Xi R: 36 S: 26

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 234-238°C

Order code	Package	Units/Box st.
163389.1209	250 g	6

Nicotinic Acid Methyl Ester

(see Methyl Nicotinate)

Nigrosine water soluble (C.I. 50420) DC

for microscopy

CAS: 8005-03-6 NC: 3204 12 00

SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS in C_2H_5OH 50% ..... 570-580 nm
A 1%, 1 cm, λmax ..... >200
Ratio λmax. P ±15 nm 0,93-1,00
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C ..... 15 %

Order code	Package	Units/Box st.
254419.1606	25 g	6

Nile Blue A Chloride (C.I. 51180) DC

$C_{20}H_{20}ClN_3O$

M: 353,85 CAS: 2381-85-3 EINECS: 219-181-4 NC: 3204 16 00

SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS in ethanol 50% ..... 635-645 nm
A 1%; 1 cm; λmax ..... >1800
Ratio λmax. P± 15 nm 0,98-1,10
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 5 %

Order code	Package	Units/Box st.
254968.1606	25 g	6

Ninhydrin PA-ACS

$C_9H_6O_4$

M: 178,15 CAS: 485-47-2 EINECS: 207-618-1 NC: 2914 40 90

HAZARDOUS:

Xn R: 22-36/37/38

SPECIFICATIONS:

Identity ..... IR p/t.
Identification and melting point ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... p/t.
Residue on ignition (as SO_4) ..... 0,1 %
Sensitivity to aminoacids ..... p/t.

Order code	Package	Units/Box st.
132362.1605	10 g	6
132362.1608	100 g	6
132362.1611	1000 g	6

Ninhydrin in 2-propanol, TLC developer RE

$C_9H_6O_4$

M: 178,15 NC: 3822 00 00 UN: 1993

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xi R: 11-36-67 S: 7-16-24/25-26

1l~0,785kg 1kg~1,274l

Composition:
Ninhydrin ..... 0,2 g
2-Propanol ..... 100 ml

Order code	Package	Units/Box st.
174255.1608	100 ml	6

NIOBIUM SOLUTIONS

(see Standards for ICP)

NITRATE SOLUTION

(see Standards for Ionic Chromatography)

Nitric Acid fuming (Reag. Ph. Eur.) PA

HNO_3

M: 63,01 CAS: 7697-37-2 EINECS: 231-714-2 NC: 2808 00 00 UN: 2032

IMDG: 8/I ADR: 8/I IATA: 8/- PAX: P CAO: P

HAZARDOUS:

O C R: 8-35 S: 23c-26-36-45 CE: 007-004-00-1

1l~1,502kg 1kg~0,666l

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 90,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... p/t.
Residue on ignition (as SO_4) ..... 0,002 %
Chloride (Cl) ..... 0,00007 %
Sulphate (SO_4) ..... 0,0005 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00003 %
Fe ..... 0,0002 %

Order code	Package	Units/Box st.
121038.2411	1000 ml	6

Nitric Acid fuming PS

HNO_3

M: 63,01 CAS: 7697-37-2 EINECS: 231-714-2 NC: 2808 00 00 UN: 2032

IMDG: 8/I ADR: 8/I IATA: 8/- PAX: P CAO: P

HAZARDOUS:

O C R: 8-35 S: 23c-26-36-45 CE: 007-004-00-1

1l~1,502kg 1kg~0,666l

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99,5 %

Order code	Package	Units/Box st.
161038.2411	1000 ml	6

VINIKIT

Análisis de vinos
Wine analysis
Analyse des vins

Nitric Acid 69% (TMA) HIPERPUR-PLUS

HNO_3

M: 63,01 CAS: 7697-37-2 EINECS: 231-714-2 NC: 2808 00 00 UN: 2031
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: P CAO: 813
HAZARDOUS:

R: 35 S: 23c-26-36-45 CE: 007-004-00-1
1l~1,411kg 1kg~0,709l

SPECIFICATIONS:
Assay (Acidim.) ..... 67-69 %

MAXIMUM LIMIT OF IMPURITIES
Metals by ICP (ppt)

Ag	10	Ge	10	Re	10
Al	20	Hf	10	Rh	10
As	20	Hg	50	Ru	20
Au	20	Ho	1	Sb	10
B	10	In	1	Sc	10
Ba	10	K	10	Sm	1
Be	10	La	1	Sn	20
Bi	10	Li	10	Sr	10
Ca	10	Lu	1	Tb	1
Cd	10	Mg	10	Te	1
Ce	10	Mn	10	Th	1
Co	10	Mo	10	Ti	10
Cr	10	Na	10	Tl	10
Cs	10	Nb	1	Tm	1
Cu	10	Nd	1	U	1
Dy	1	Ni	20	V	10
Er	1	Pb	10	W	10
Eu	1	Pd	20	Y	1
Fe	10	Pr	1	Yb	1
Ga	10	Pt	20	Zn	10
Gd	1	Rb	10	Zr	10

Analysis Type:

Ag	2	Hf	0,05	Ru	10
Al	10	Hg	20	Sb	10
As	10	Ho	0,01	Sc	1
Au	10	In	1	Se	20
B	10	K	5	Sm	0,01
Ba	1	La	0,05	Sn	10
Be	5	Li	1	Sr	1
Bi	0,1	Lu	0,01	Ta	10
Ca	10	Mg	5	Tb	0,01
Cd	1	Mn	2	Te	1
Ce	0,05	Mo	1	Th	0,05
Co	1	Na	5	Ti	10
Cr	10	Nb	1	Tl	0,1
Cs	0,05	Nd	0,05	Tm	0,01
Cu	3	Ni	10	U	0,01
Dy	0,01	Pb	1	V	1
Er	0,01	Pd	10	W	5
Eu	0,01	Pr	0,05	Y	1
Fe	10	Pt	1	Yb	0,01
Ga	1	Rb	1	Zn	5
Gd	0,01	Re	1	Zr	1
Ge	1	Rh	1		

Order code	Package	Units/Box st.
711037.0009	250 ml	6
711037.0010	500 ml	6

Nitric Acid 69% (TMA) HIPERPUR

HNO_3

M: 63,01 CAS: 7697-37-2 EINECS: 231-714-2 NC: 2808 00 00 UN: 2031
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: P CAO: 813
HAZARDOUS:

R: 35 S: 23c-26-36-45 CE: 007-004-00-1
1l~1,411kg 1kg~0,709l

SPECIFICATIONS:
Assay (Acidim.) ..... 67-69 %

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Chloride (Cl) ..... 0,00002 %
Total sulphur ..... 0,00003 %
Total phosphorus ..... 0,000001 %

Metals by ICP (ppb)

Ag	0,1	Hf	0,1	Ru	0,5
Al	1	Hg	0,1	Sb	0,5
As	0,5	Ho	0,1	Sc	0,1
Au	0,1	In	0,1	Se	1
B	1	K	1	Sm	0,1
Ba	0,1	La	0,1	Sn	0,5
Be	0,1	Li	0,1	Sr	0,1
Bi	0,1	Lu	0,1	Tb	0,1
Ca	1	Mg	1	Te	0,1
Cd	0,5	Mn	0,1	Th	0,1
Ce	0,1	Mo	0,1	Ti	0,5
Co	0,5	Na	1	Tl	0,1
Cr	1	Nb	0,1	Tm	0,1
Cs	0,1	Nd	0,1	U	0,1
Cu	0,5	Ni	0,5	V	0,5
Dy	0,1	Pb	0,1	W	0,1
Er	0,1	Pd	0,5	Y	0,1
Eu	0,1	Pr	0,1	Yb	0,1
Fe	1	Pt	0,5	Zn	0,5
Ga	0,1	Rb	0,1	Zr	0,1
Gd	0,1	Re	0,1		
Ge	0,1	Rh	0,5		

Analysis Type:

Ag	0,1	Hf	0,1	Ru	0,1
Al	0,5	Hg	0,02	Sb	0,1
As	0,1	Ho	0,1	Sc	0,1
Au	0,1	In	0,1	Se	0,1
B	0,5	K	0,2	Sm	0,1
Ba	0,1	La	0,1	Sn	0,1
Be	0,1	Li	0,1	Sr	0,1
Bi	0,1	Lu	0,1	Ta	0,1
Ca	0,5	Mg	0,2	Tb	0,1
Cd	0,1	Mn	0,1	Te	0,1
Ce	0,1	Mo	0,1	Th	0,1
Co	0,1	Na	0,2	Ti	0,1
Cr	0,5	Nb	0,1	Tl	0,1
Cs	0,1	Nd	0,1	Tm	0,1
Cu	0,1	Ni	0,1	U	0,1
Dy	0,1	Pb	0,1	V	0,1
Er	0,1	Pd	0,1	W	0,1
Eu	0,1	Pr	0,1	Y	0,1
Fe	0,5	Pt	0,1	Yb	0,1
Ga	0,1	Rb	0,1	Zn	0,2
Gd	0,1	Re	0,1	Zr	0,1
Ge	0,1	Rh	0,1		

Order code	Package	Units/Box st.
721037.0010	500 ml	6
721037.0011	1000 ml	6
721037.0012	2,5 l	4

HIPERPUR

Reactivos para análisis de trazas metálicas.
Rango: PPB. Para AAS e ICP-OES
Reagents for analysis of metallic traces.
Range: PPB. For AAS and ICP-OES
Réactifs pour analyse des traces metalliques.
Range: PPB. Pour AAS et ICP-OES

Nitric Acid 69% (VLSI) EG

HNO_3

M: 63,01 CAS: 7697-37-2 EINECS: 231-714-2 NC: 2808 00 00 UN: 2031
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: P CAO: 813
HAZARDOUS:

C

R: 35 S: 23c-26-36-45 CE: 007-004-00-1

1l~1,411kg 1kg~0,709l

SPECIFICATIONS:

Assay ..... 69,0-70,0 %

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,0005 %
Chloride (Cl) ..... 0,00005 %
Phosphate (PO_4) ..... 0,00005 %
Sulphate (SO_4) ..... 0,00005 %
0,5 µm particles ..... 250 /ml

Metals by ICP [µ g/Kg (ppb)]

Ag	10	Cr	20	Ni	10
Al	20	Cu	10	Pb	20
As	5	Fe	100	Sb	5
Au	10	Ga	20	Sn	20
B	10	K	50	Sr	20
Ba	10	Li	10	Ti	20
Bi	20	Mg	50	V	10
Ca	100	Mn	10	Zn	50
Cd	10	Mo	20		
Co	10	Na	100		

Order code	Package	Units/Box st.
871037.1212	2,5 l P	4

Nitric Acid 69% (MOS) EG

HNO_3

M: 63,01 CAS: 7697-37-2 EINECS: 231-714-2 NC: 2808 00 00 UN: 2031
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: P CAO: 813
HAZARDOUS:

C

R: 35 S: 23c-26-36-45 CE: 007-004-00-1

1l~1,411kg 1kg~0,709l

SPECIFICATIONS:

Assay ..... 69,0-70,0 %

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,0005 %
Chloride (Cl) ..... 0,00005 %
Phosphate (PO_4) ..... 0,00005 %
Sulphate (SO_4) ..... 0,00005 %
0,5 µm particles* ..... 1000 /ml

Metals by ICP [µg/Kg (ppb)]

Ag	20	Cr	50	Ni	50
Al	50	Cu	20	Pb	50
As	10	Fe	200	Sb	20
Au	50	Ga	20	Sn	20
B	50	K	50	Sr	50
Ba	50	Li	10	Ti	50
Bi	20	Mg	50	V	50
Ca	200	Mn	20	Zn	100
Cd	20	Mo	20		
Co	20	Na	200		

*Indicative value

Order code	Package	Units/Box st.
861037.1212	2,5 l P	4

Nitric Acid 69% PA-ACS-ISO

HNO_3

M: 63,01 CAS: 7697-37-2 EINECS: 231-714-2 NC: 2808 00 00 UN: 2031
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: P CAO: 813
HAZARDOUS:

C

R: 35 S: 23c-26-36-45 CE: 007-004-00-1

1l~1,411kg 1kg~0,709l

SPECIFICATIONS:

Assay (Acidim.) ..... 68,0-70,0 %
Density at 20/4 1,410-1,420

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Residue on ignition (as SO_4) ..... 0,0005 %
Reducing substances to $KMnO_4$ ..... p/t.
Chloride (Cl) ..... 0,00005 %
Phosphate (PO_4) ..... 0,0001 %
Nitrite (NO_2) ..... 0,0005 %
Sulphate (SO_4) ..... 0,0001 %
Heavy metals (as Pb) ..... 0,00002 %
As ..... 0,000001 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,02	Fe	0,2	Pb	0,02
Al	0,1	Ga	0,05	Pt	0,1
Au	0,1	Ge	0,02	Sb	0,02
B	0,05	Hg	0,1	Si	0,1
Ba	0,02	In	0,05	Sn	0,05
Be	0,02	K	0,1	Sr	0,02
Bi	0,05	Li	0,02	Ti	0,05
Ca	0,5	Mg	0,1	Tl	0,02
Cd	0,01	Mn	0,01	V	0,02
Co	0,02	Mo	0,02	Zn	0,05
Cr	0,1	Na	0,5	Zr	0,05
Cu	0,01	Ni	0,05		

Order code	Package	Units/Box st.
131037.1611	1000 ml	6
131037.2211	1000 ml	6
131037.1612	2,5 l	4
131037.2212	2,5 l	4
131037.1214	5 l P	4
131037.0816	25 l P	
131037.0817	50 l P	

Nitric Acid 69% (USP-NF, BP, Ph. Eur.) PRS-CODEX

HNO_3

M: 63,01 CAS: 7697-37-2 EINECS: 231-714-2 NC: 2808 00 00 UN: 2031
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: P CAO: 813
HAZARDOUS:

C

R: 35 S: 23c-26-36-45 CE: 007-004-00-1

1l~1,411kg 1kg~0,709l

SPECIFICATIONS:

Assay (Acidim.) ..... 69,0-70,0 %
Identity according to Pharmacopoeias ..... p/t.
Density at 20/4 ..... 1,410 - 1,420

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Clarity and colour ..... p/t.
Residue on ignition (as SO_4) ..... 0,0005 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Chloride (Cl) ..... 0,00005 %
Sulphate (SO_4) ..... 0,0001 %
Heavy metals (as Pb) ..... 0,00002 %
As ..... 0,000001 %
Cu ..... 0,00002 %
Fe ..... 0,00002 %
Pb ..... 0,00002 %
Zn ..... 0,00002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141037.1611	1000 ml	6
141037.1612	2,5 l	4
141037.1214	5 l P	4
141037.0816	25 l P	
141037.0817	50 l P	

aditio

Aditivos alimentarios
Food chemicals
Additifs alimentaires

Nitric Acid 65% (TMA) ANALPUR

HNO_3

M: 63,01 CAS: 7697-37-2 EINECS: 231-714-2 NC: 2808 00 00 UN: 2031
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: P CAO: 813
HAZARDOUS:

R: 35 S: 23c-26-36-45 CE: 007-004-00-1
1l~1,395kg 1kg~0,717l
SPECIFICATIONS:

Assay (Acidim.)	62-65 %
MAXIMUM LIMIT OF IMPURITIES	
Residue on ignition (as SO_4)	0,0002 %
Chloride (Cl)	0,00005 %
Phosphate (PO_4)	0,000001 %
Sulphate (SO_4)	0,00002 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,001	Cu	0,005	Na	0,3
Al	0,02	Fe	0,1	Ni	0,01
As	0,001	Ga	0,005	Pb	0,005
Au	0,005	Ge	0,005	Sn	0,02
Ba	0,005	Hg	0,002	Sr	0,001
Be	0,001	In	0,002	Ti	0,001
Bi	0,005	K	0,05	Tl	0,001
Ca	0,1	Li	0,001	V	0,001
Cd	0,001	Mg	0,02	Zn	0,01
Co	0,001	Mn	0,002	Zr	0,001
Cr	0,02	Mo	0,001		

Order code	Package	Units/Box st.
383255.1609	250 ml	6

Nitric Acid 65% (max. 0,0000005% Hg) PA-ISO

HNO_3

M: 63,01 CAS: 7697-37-2 EINECS: 231-714-2 NC: 2808 00 00 UN: 2031
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: P CAO: 813
HAZARDOUS:

R: 35 S: 23c-26-36-45 CE: 007-004-00-1
1l~1,395kg 1kg~0,717l
SPECIFICATIONS:

Minimum assay (Acidim.)	65 %
Density at 20/4	≥1,395
MAXIMUM LIMIT OF IMPURITIES	
APHA colour	10
Residue on ignition (as SO_4)	0,0005 %
Reducing substances to $KMnO_4$	p/t.
Chloride (Cl)	0,00005 %
Phosphate (PO_4)	0,0001 %
Nitrite (NO_2)	0,0005 %
Sulphate (SO_4)	0,0002 %
Heavy metals (as Pb)	0,00002 %
Hg	0,0000005%

Metals by ICP [mg/Kg (ppm)]

Ag	0,02	Cu	0,01	Pb	0,02
Al	0,05	Fe	0,2	Pt	0,1
As	0,01	Ga	0,05	Sb	0,02
Au	0,1	Ge	0,02	Si	0,1
B	0,05	In	0,05	Sn	0,05
Ba	0,02	K	0,1	Sr	0,02
Be	0,02	Li	0,02	Ti	0,05
Bi	0,05	Mg	0,1	Tl	0,02
Ca	0,5	Mn	0,01	V	0,02
Cd	0,01	Mo	0,02	Zn	0,05
Co	0,02	Na	0,5	Zr	0,05
Cr	0,1	Ni	0,05		

Order code	Package	Units/Box st.
473255.1611	1000 ml	6
473255.1612	2,5 l	4

Nitric Acid 65% PA-ISO

HNO_3

M: 63,01 CAS: 7697-37-2 EINECS: 231-714-2 NC: 2808 00 00 UN: 2031
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: P CAO: 813
HAZARDOUS:

R: 35 S: 23c-26-36-45 CE: 007-004-00-1
1l~1,395kg 1kg~0,717l
SPECIFICATIONS:

Minimum assay (Acidim.)	65 %
Density at 20/4	≥1,395
MAXIMUM LIMIT OF IMPURITIES	
APHA colour	10
Residue on ignition (as SO_4)	0,0005 %
Reducing substances to $KMnO_4$	p/t.
Chloride (Cl)	0,00005 %
Phosphate (PO_4)	0,0001 %
Nitrite (NO_2)	0,0005 %
Sulphate (SO_4)	0,0002 %
Heavy metals (as Pb)	0,00002 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,02	Cu	0,01	Ni	0,05
Al	0,1	Fe	0,2	Pb	0,02
As	0,01	Ga	0,05	Pt	0,1
Au	0,1	Ge	0,02	Sb	0,02
B	0,05	Hg	0,1	Si	0,1
Ba	0,02	In	0,05	Sn	0,05
Be	0,02	K	0,1	Sr	0,02
Bi	0,05	Li	0,02	Ti	0,05
Ca	0,5	Mg	0,1	Tl	0,02
Cd	0,01	Mn	0,01	V	0,02
Co	0,02	Mo	0,02	Zn	0,05
Cr	0,1	Na	0,5	Zr	0,05

Order code	Package	Units/Box st.
133255.1611	1000 ml	6
133255.2211	1000 ml	6
133255.1612	2,5 l	4
133255.2212	2,5 l	4
133255.0816	25 l	

Nitric Acid 65% PRS

HNO_3

M: 63,01 CAS: 7697-37-2 EINECS: 231-714-2 NC: 2808 00 00 UN: 2031
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: P CAO: 813
HAZARDOUS:

R: 35 S: 23c-26-36-45 CE: 007-004-00-1
1l~1,395kg 1kg~0,717l
SPECIFICATIONS:

Assay (Acidim.)	65 %
Residue on ignition (as SO_4)	0,005 %
Chloride (Cl)	0,0005 %
Sulphate (SO_4)	0,001 %
As	0,000005 %
Cu	0,00005 %
Fe	0,0001 %
Pb	0,00005 %

Order code	Package	Units/Box st.
143255.1611	1000 ml	6
143255.1612	2,5 l	4
143255.1214	5 l	4
143255.0816	25 l	

Nitric Acid 65% QP

HNO_3

M: 63,01 CAS: 7697-37-2 EINECS: 231-714-2 NC: 2808 00 00 UN: 2031
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: P CAO: 813
HAZARDOUS:

R: 35 S: 23c-26-36-45 CE: 007-004-00-1
1l~1,395kg 1kg~0,717l
SPECIFICATIONS:

Assay (Acidim.)	65 %
Chloride (Cl)	0,005 %
Sulphate (SO_4)	0,005 %

Order code	Package	Units/Box st.
213255.1611	1000 ml	6
213255.1214	5 l	4
213255.0716	25 l	
213255.0718	60 l	

Nitric Acid 53% PA

HNO_3

M: 63,01 CAS: 7697-37-2 EINECS: 231-714-2 NC: 2808 00 00 UN: 2031
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: P CAO: 813
HAZARDOUS:

C

R: 35 S: 23c-26-36-45 CE: 007-004-00-1
1l~1,333kg 1kg~0,750l
SPECIFICATIONS:

Assay (Acidim.) ..... 53-54 %
Density at 20/4 1,330-1,335

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Residue on ignition (as SO_4) ..... 0,0005 %
Reducing substances to $KMnO_4$ ..... p/t.
Chloride (Cl) ..... 0,00005 %
Phosphate (PO_4) ..... 0,0001 %
Nitrite (NO_2) ..... 0,0005 %
Sulphate (SO_4) ..... 0,0002 %
Heavy metals (as Pb) ..... 0,00002 %
As ..... 0,000001 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,02	Fe	0,2	Pb	0,02
Al	0,05	Ga	0,05	Pt	0,1
Au	0,1	Ge	0,02	Sb	0,02
B	0,05	Hg	0,1	Si	0,1
Ba	0,02	In	0,05	Sn	0,05
Be	0,02	K	0,1	Sr	0,02
Bi	0,05	Li	0,02	Ti	0,05
Ca	0,5	Mg	0,1	Tl	0,02
Cd	0,01	Mn	0,01	V	0,02
Co	0,02	Mo	0,02	Zn	0,05
Cr	0,1	Na	0,5	Zr	0,05
Cu	0,01	Ni	0,05		

Order code	Package	Units/Box st.
121737.1611	1000 ml	6
121737.1612	2,5 l	4
121737.1214	5 l	4
121737.0816	25 l	
121737.0817	50 l	

NITRIC ACID VOLUMETRIC SOLUTIONS

Nitric Acid 0,1 mol/l (0,1N) SV

Indicator: Methyl Red
HNO_3

M: 63,01 CAS: 7697-37-2 EINECS: 231-714-2 NC: 2808 00 00 UN: 2031
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 807 CAO: 813
1l~1,002kg 1kg~0,998l
SPECIFICATIONS:

Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
181040.1611	1000 ml	6

Nitric Acid 0,5 mol/l (0,5N) SV

Indicator: Methyl Red
HNO_3

M: 63,01 CAS: 7697-37-2 EINECS: 231-714-2 NC: 2808 00 00 UN: 2031
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 807 CAO: 813
HAZARDOUS:

Xi

R: 36/38 S: 26
1l~1,019kg 1kg~0,981l
SPECIFICATIONS:

Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
182111.1611	1000 ml	6

Nitric Acid 1 mol/l (1N) SV

Indicator: Methyl Red
HNO_3

M: 63,01 CAS: 7697-37-2 EINECS: 231-714-2 NC: 2808 00 00 UN: 2031
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 807 CAO: 813
HAZARDOUS:

C

R: 34 S: 26-36 CE: 007-004-00-1
1l~1,036kg 1kg~0,965l
SPECIFICATIONS:

Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
181039.1611	1000 ml	6

Nitric Acid 2 mol/l (2N) SV

Indicator: Methyl Red
HNO_3

M: 63,01 CAS: 7697-37-2 EINECS: 231-714-2 NC: 2808 00 00 UN: 2031
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 807 CAO: 813
HAZARDOUS:

C

R: 34 S: 26-36 CE: 007-004-00-1
1l~1,07kg 1kg~0,93l
SPECIFICATIONS:

Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
182112.1611	1000 ml	6

Nitric Acid 4 mol/l (4N) RV

for the chloride content determination in cheese and processed cheese products by potentiometric titration method according to ISO 5943:2004
HNO_3

M: 63,01 CAS: 7697-37-2 EINECS: 231-714-2 NC: 2808 00 00 UN: 2031
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: P CAO: 813
HAZARDOUS:

C

R: 35 S: 23c-26-36-45 CE: 007-004-00-1
1l~1,140kg 1kg~0,877l
SPECIFICATIONS:

Titer ..... 1,00±0,01

Order code	Package	Units/Box st.
286195.1611	1000 ml	6

Nitrile tri-Acetic Acid (Reag. Ph. Eur.) PA-ACS

$C_6H_9NO_6$

M: 191,14 CAS: 139-13-9 EINECS: 205-355-7 NC: 2926 90 95
HAZARDOUS:

Xn

R: 22
SPECIFICATIONS:

Minimum assay (Acidim.) ..... 98,0 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... p/t.
Insoluble matter in NH_4OH ..... 0,005 %
Residue on ignition (as SO_4) ..... 0,1 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Cu	10	Pb	10
Al	10	Fe	50	Sb	5
Ba	5	Ga	5	Sn	5
Be	5	In	5	Sr	5
Bi	5	Li	5	Ti	5
Ca	100	Mg	50	V	5
Cd	5	Mn	5	Zn	5
Co	5	Mo	5		
Cr	5	Ni	10		

Order code	Package	Units/Box st.
132346.1209	250 g	6

Nitrile tri-Acetic Acid PRS

$C_6H_9NO_6$

M: 191,14 CAS: 139-13-9 EINECS: 205-355-7 NC: 2926 90 95
HAZARDOUS:

Xn

R: 22
SPECIFICATIONS:

Assay (Acidim.) ..... 98 %
Identity ..... IR p/t.
Insoluble matter in NH_4OH ..... 0,025 %
Residue on ignition (as SO_4) ..... 0,2 %
Cu ..... 0,002 %
Fe ..... 0,01 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
142346.1208	100 g	6
142346.1209	250 g	6
142346.0914	5 kg	

Nitrile tri-Acetic Acid, 98% PS

$C_6H_9NO_6$

M: 191,14 CAS: 139-13-9 EINECS: 205-355-7 NC: 2926 90 95

HAZARDOUS:

Xn

R: 22

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
152346.1208	100 g	6
152346.1210	500 g	6

2,2',2"-Nitrilotriethanol

(see Triethanolamine)

NITRITE SOLUTION

(see Standards for Ionic Chromatography)

3-Nitroaniline, 98% PS

$NO_2C_6H_4NH_2$

M: 138,12 CAS: 99-09-2 EINECS: 202-729-1 NC: 2921 42 10 UN: 1661

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T

R: 23/24/25-33-52/53 S: 28a-36/37-45-61 CE: 612-012-00-9

SPECIFICATIONS:

Minimum assay ..... 98 %
Identity ..... IR p/t.
Melting range ..... 112-115°C

Order code	Package	Units/Box st.
15A921.1608	100 g	6
15A921.1610	500 g	6

4-Nitroaniline, 98% PS

$O_2NC_6H_4NH_2$

M: 138.13 CAS: 100-01-6 EINECS: 202-810-1 NC: 2921 42 10 UN: 1661

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T

R: 23/24/25-33-52/53 S: 28a-36/37-45-61 CE: 612-012-00-9

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A922.1608	100 g	6
15A922.1610	500 g	6

5-Nitroanthranilic Acid

(see 2-Amino-5-Nitrobenzoic Acid)

2-Nitrobenzaldehyde, 99% PS

$C_7H_5NO_3$

M: 151,12 CAS: 552-89-6 EINECS: 209-025-3 NC: 2913 00 00

HAZARDOUS:

Xi

R: 36/37/38 S: 24/25

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
15A127.1606	25 g	6
15A127.1608	100 g	6

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Nitrobenzene (Reag. Ph. Eur.) PA-ACS

$C_6H_5NO_2$

M: 123,11 CAS: 98-95-3 EINECS: 202-716-0 NC: 2904 20 00 UN: 1662

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611

HAZARDOUS:

T N

R: 23/24/25-40-48/23/24-51/53-62 S: 28b-36/37-45-61

CE: 609-003-00-7

1l~1,203kg 1kg~0,831l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t
Density at 20/4 1,201-1,205
Freezing point ..... 5-6°C

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter ..... 0,005 %
1,2-Dinitrobenzene (G.C.) ..... 0,005 %
1,3-Dinitrobenzene (G.C.) ..... 0,005 %
1,4-Dinitrobenzene (G.C.) ..... 0,005 %
Acidity ..... 0,0004 meq/g
Water (H_2O) ..... 0,05 %
Chloride (Cl) ..... 0,0005 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

Order code	Package	Units/Box st.
131447.1611	1000 ml	6
131447.1612	2,5 l	4
131447.1214	5 l	4

Nitrobenzene, 99% PS

$C_6H_5NO_2$

M: 123,11 CAS: 98-95-3 EINECS: 202-716-0 NC: 2904 20 00 UN: 1662

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611

HAZARDOUS:

T N

R: 23/24/25-40-48/23/24-51/53-62 S: 28b-36/37-45-61

CE: 609-003-00-7

1l~1,203kg 1kg~0,831l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,201-1,205
Freezing point ..... 5-6°C
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
161447.1211	1000 ml	6
161447.1212	2,5 l	4
161447.1214	5 l	4

2-Nitrobenzyl Alcohol, 99% PS

$C_7H_7NO_3$

M: 153,14 CAS: 612-25-9 EINECS: 210-302-6 NC: 2906 29 00

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
15A145.1606	25 g	6
15A145.1608	100 g	6

4-Nitrobenzyl Bromide, 98% PS

$C_7H_6BrNO_2$

M: 216,04 CAS: 100-11-8 EINECS: 202-820-6 NC: 2904 90 40 UN: 2811

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

Xi

R: 36/38-43 S: 26-27-28a

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 98-100°C

Order code	Package	Units/Box st.
15A650.1606	25 g	6
15A650.1608	100 g	6

2-Nitrocinnamic Acid, 98% PS

$C_9H_7NO_4$

M: 193,16 CAS: 612-41-9 EINECS: 210-309-4 NC: 2916 39 00

HAZARDOUS:

Xi **R: 36/37/38 S: 24/25**

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C137.1606	25 g	6
15C137.1608	100 g	6

3-Nitrocinnamic Acid, 99% PS

$C_9H_7NO_4$

M: 193,16 CAS: 555-68-0 EINECS: 209-104-2 NC: 2916 39 00

HAZARDOUS:

Xi **R: 36/37/38 S: 24/25**

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C142.1606	25 g	6
15C142.1608	100 g	6

4-Nitrocinnamic Acid, 97% PS

$C_9H_7NO_4$

M: 193,16 CAS: 619-89-6 EINECS: 210-617-9 NC: 2916 39 00

HAZARDOUS:

Xi **R: 36/37/38 S: 24/25**

SPECIFICATIONS:

Assay ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C147.1606	25 g	6
15C147.1608	100 g	6

Nitroethane PRS

$CH_3CH_2NO_2$

M: 75,07 CAS: 79-24-3 EINECS: 201-188-9 NC: 2904 20 00 UN: 2842

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xn **R: 10-20/22 S: 9-25-41 CE: 609-035-00-1**

1l~1,046kg 1kg~0,956l

SPECIFICATIONS:

Assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,046-1,050
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
146340.1611	1000 ml	6

NITROGEN SOLUTIONS

(see Standards for ICP and Ionic Chromatography)

5-Nitroindole, 98% PS

$C_8H_6N_2O_2$

M: 162,15 CAS: 6146-52-7 EINECS: 228-153-0 NC: 2933 99 90

HAZARDOUS:

Xn **R: 40 S: 36/37-45**

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A327.1604	5 g	6
15A327.1606	25 g	6

Nitromethane (Reag. USP, Ph. Eur.) PA-ACS

CH_3NO_2

M: 61,04 CAS: 75-52-5 EINECS: 200-876-6 NC: 2904 20 00 UN: 1261

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: P CAO: P

HAZARDOUS:

Xn **R: 5-10-22 S: 41 CE: 609-036-00-7**

1l~1,138kg 1kg~0,879l

SPECIFICATIONS:

Minimum assay (G.C) ..... 98,0 %
Identity ..... IR p/t.
Density at 20/20 1,132-1,134
Refractive Index n^{20}/D 1,381-1,383
Boiling range (>95% dist.) ..... 100-103°C

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... p/t.
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
131970.1611	1000 ml	6
131970.1214	5 l	4
131970.0716	25 l	

Nitromethane, 98% PS

CH_3NO_2

M: 61,04 CAS: 75-52-5 EINECS: 200-876-6 NC: 2904 20 00 UN: 1261

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: P CAO: P

HAZARDOUS:

Xn **R: 5-10-22 S: 41 CE: 609-036-00-7**

1l~1,138kg 1kg~0,879l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,135-1,140
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
161970.1609	250 ml	6
161970.1611	1000 ml	6

2-Nitrophenol, 98% PS

$C_6H_5NO_3$

M: 139,11 CAS: 88-75-5 EINECS: 201-857-5 NC: 2908 99 90 UN: 1663

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn **R: 20/21/22-33 S: 28a**

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 43-45°C

Order code	Package	Units/Box st.
15A636.1609	250 g	6

3-Nitrophenol, 98% PS

$C_6H_5NO_3$

M: 139,11 CAS: 554-84-7 EINECS: 209-073-5 NC: 2908 99 90 UN: 1663

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn **R: 20/21/22-33 S: 36/37-45**

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A406.1605	10 g	6
15A406.1607	50 g	6

4-Nitrophenol PA

pH indicator 5,0 colourless; 7,6 yellow

$C_6H_5NO_3$

M: 139,11 CAS: 100-02-7 EINECS: 202-811-7 NC: 2908 99 90 UN: 1663

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn **R: 20/21/22-33 S: 28a CE: 609-015-00-2**

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Melting range ..... 112-115°C

MAXIMUM LIMIT OF IMPURITIES

pH transition interval:
colourless 5,0
yellow 7,6
Insoluble matter in C_2H_5OH ..... p/t.
Residue on ignition (as SO_4) ..... 0,05 %

Order code	Package	Units/Box st.
122031.1606	25 g	6
122031.1608	100 g	6

4-Nitrophenol, 98% PS

$C_6H_5NO_3$

M: 139,11 CAS: 100-02-7 EINECS: 202-811-7 NC: 2908 99 90 UN: 1663
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn **R: 20/21/22-33 S: 28a CE: 609-015-00-2**

SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 112-115°C

Order code	Package	Units/Box st.
162031.1609	250 g	6

4-(4-Nitrophenylazo)-Resorcinol

(see Magneson I)

4-Nitrophenyl Chloroformate, 95% PS

$C_7H_4ClNO_4$

M: 201,57 CAS: 7693-46-1 EINECS: 231-706-9 NC: 2915 90 20 UN: 3261
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C **R: 34 S: 26-36/37/39-45**

SPECIFICATIONS:
Minimum assay ..... 95 %

Order code	Package	Units/Box st.
15A136.1604	5 g	6
15A136.1608	100 g	6

5-Nitrosalicylaldehyde, 98% PS

$C_7H_5NO_4$

M: 167,12 CAS: 97-51-8 EINECS: 202-587-0 NC: 2913 00 00
HAZARDOUS:

Xn **R: 22-36/37/38 S: 26-37/39**

SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C007.1604	5 g	6
15C007.1606	25 g	6

1-Nitroso-2-Naphthol (C.I. 10005) PA

Co reagent
$C_{10}H_6(OH)NO$

M: 173,17 CAS: 131-91-9 EINECS: 205-043-0 NC: 2908 99 90

SPECIFICATIONS:
Minimum assay (HPLC) ..... 98 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in CH_3COOH ..... p/t.
Sensitivity to Co ..... p/t.

Order code	Package	Units/Box st.
121093.1606	25 g	6

α-Nitroso-β-Naphthol

(see 1-Nitroso-2-Naphthol)

1-Nitroso-2-Naphthol-3,6-Disulphonic Acid Disodium Salt

(see Nitroso R Salt)

Nitroso R Salt PA

Co reagent
$C_{10}H_5NNa_2O_8S_2$

M: 377,26 CAS: 525-05-3 EINECS: 208-369-1 NC: 2908 99 90
HAZARDOUS:

Xn **R: 20/21/22 S: 22-24/25**

SPECIFICATIONS:
Minimum assay (HPLC) ..... 95,0 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... p/t.
Loss on drying at 105°C ..... 1 %
Sensitivity to Co ..... p/t.

Order code	Package	Units/Box st.
122753.1606	25 g	6
122753.1608	100 g	6

N-Nitrosophenylhydroxylamine Ammonium Salt

(see Cupferron)

4-Nitro-o-Toluidine

(see 2-Methyl-4-Nitroaniline)

Nitrous Acid Ethyl Ester

(see Ethyl Nitrite)

Nitrous Acid Isobutyl Ester

(see Isobutyl Nitrite)

Nitrous R Salt

(see Nitroso R Salt)

NMM

(see N-Methylmorpholine)

NMP

(see 1-Methyl-2-Pyrrolidone)

NMR, Tubes

(see Tubes NMR)

Nonyl Bromide

(see 1-Bromononane)

NTA

(see Nitrile tri-Acetic Acid)

Octadecanoic Acid

(see Stearic Acid)

Octadecanoic Acid Magnesium Salt

(see Magnesium Stearate)

Octadecanoic Acid Methyl Ester

(see Methyl Stearate)

1-Octadecanol

(see Stearyl Alcohol)

Octadecyl Alcohol

(see Stearyl Alcohol)

n-Octane, 99% PS

C_8H_{18}

M: 114,23 CAS: 111-65-9 EINECS: 203-892-1 NC: 2901 10 00 UN: 1262
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N **R: 11-38-65-67-50/53 S: 9-16-29-33-60-61-62**

CE: 601-009-00-8
1l~0,703kg 1kg~1,422l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,701-0,705
Water (H_2O) ..... 0,02 %

Order code	Package	Units/Box st.
163520.1609	250 ml	6
163520.1611	1000 ml	6
163520.1714	5 l	4

iso-Octane

(see Isooctane)

1-Octane Sulphonic Acid Sodium Salt (HPLC) PAI

for ion pair chromatography
$C_8H_{17}NaO_3S$
M: 216,28 CAS: 5324-84-5 EINECS: 226-195-4 NC: 2904 10 00
HAZARDOUS:
Xi
R: 36/38
SPECIFICATIONS:
Minimum assay (Acidim.) calc. a.d.s ..... 99,0 %
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Water (H_2O) ..... 2 %
UV Spectrum 0,005 mol/l solution
UV Spectrum (1 cm cell. Ref.: water)

λ (nm)	200	220	250
A (AU)	0,155	0,046	0,009
T (%)	70	90	98

Order code	Package	Units/Box st.
363995.1604	5 g	6
363995.1605	10 g	6

Octanoic Acid (RFE, BP, Ph. Eur.) PRS-CODEX

CH_3-$(CH_2)_6$-COOH
M: 144,21 CAS: 124-07-2 EINECS: 204-677-5 NC: 2915 90 80 UN: 3265
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
C
R: 34 S: 26-36/37/39-45
1l~0,910kg 1kg~1,099l
SPECIFICATIONS:
Assay (Acidim.) calc. a.d.s. 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
Density at 20/20 0,909-0,912
MAXIMUM LIMIT OF IMPURITIES
Appearance ..... p/t.
Residue on ignition (as SO_4) ..... 0,05 %
Related substances (G.C.)
Individual peak ..... 0,3 %
Total ..... 0,5 %
Iodine value 2
Residual solvents (Ph.Eur. 6.0): excluded by manufacturing process.
Water (H_2O) ..... 0,3 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
142786.1611	1000 ml	6
142786.1214	5 l	4

Octanoic Acid (E-570, F.C.C.) ADITIO

CH_3-$(CH_2)_6$-COOH
M: 144,21 CAS: 124-07-2 EINECS: 204-677-5 NC: 2915 90 80 UN: 3265
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
C
R: 34 S: 26-36/37/39-45
1l~0,910kg 1kg~1,099l
SPECIFICATIONS:
Assay (G.C.), not less than ..... 98 %
Solidification point ..... 8-15°C
Residue on ignition, not more than ..... 0,1 %
Unsaponifiable matter, not more than ..... 0,2 %
Acidity value 366-396
Saponification value 366-398
Iodine value, not more than 2,0
Water, not more than ..... 0,2 %
Arsenic, not more than ..... 3 ppm
Mercury, not more than ..... 1 ppm
Lead, not more than ..... 0,1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
202786.1214	5 l	4

Octanoic Acid, 99% PS

CH_3-$(CH_2)_6$-COOH
M: 144,21 CAS: 124-07-2 EINECS: 204-677-5 NC: 2915 90 80 UN: 3265
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
C
R: 34 S: 26-36/37/39-45
1l~0,910kg 1kg~1,099l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,909-0,911

Order code	Package	Units/Box st.
162786.1611	1000 ml	6
162786.1214	5 l	4
162786.0716	25 l	

Octanoic Acid Chloride

(see Octanoyl Chloride)

Octanoic Acid Methyl Ester

(see Methyl Octanoate)

1-Octanol (Reag. USP) PA-ACS

$C_8H_{18}O$
M: 130,23 CAS: 111-87-5 EINECS: 203-917-6 NC: 2905 16 80 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 914 CAO: 914
HAZARDOUS:
Xi
R: 36/38 S: 23c
1l~0,825kg 1kg~1,212l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 20/4 0,824-0,826
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,004 %
Acidity ..... 0,0002 meq/g
Water (H_2O) ..... 0,1 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

Order code	Package	Units/Box st.
133386.1610	500 ml	6

1-Octanol, 99% PS

$C_8H_{18}O$
M: 130,23 CAS: 111-87-5 EINECS: 203-917-6 NC: 2905 16 80 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 914 CAO: 914
HAZARDOUS:
Xi
R: 36/38 S: 23c
1l~0,825kg 1kg~1,212l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,824-0,826
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
163386.1611	1000 ml	6
163386.1612	2,5 l	4
163386.1214	5 l	4

Octanoyl Chloride, 98% PS

$C_8H_{15}ClO$
M: 162,66 CAS: 111-64-8 EINECS: 203-891-6 NC: 2915 90 80 UN: 3265
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
C
R: 14-34-22-37 S: 26-36/37/39-45
1l~0,951kg 1kg~1,051l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,946-0,951

Order code	Package	Units/Box st.
15A844.1608	100 ml	6
15A844.1610	500 ml	6

1-Octene, 97% PS

C_8H_{16}

M: 112,22 CAS: 111-66-0 EINECS: 203-893-7 NC: 2901 29 00 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F **R: 11 S: 9-16-29-33**
1l~0,715kg 1kg~1,398l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 97 %
Identity ..... IR p/t.
Density at 20/4 0,714-0,716
Water (H_2O) ..... 0,02 %

Order code	Package	Units/Box st.
15A614.1609	250 ml	6
15A614.1611	1000 ml	6

iso-Octyl Alcohol

(see 2-Ethyl-1-Hexanol)

Oenanthic Acid

(see Heptanoic Acid)

OIL STANDARD

(see Standard for Oils)

Oleic Acid (USP) PRS-CODEX

$C_{18}H_{34}O_2$

M: 282,47 CAS: 112-80-1 EINECS: 204-007-1 NC: 3823 12 00
HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**
1l~0,890kg 1kg~1,123l
SPECIFICATIONS:
Density at 25/25 0,889-0,895
Identity ..... IR p/t.
Freezing point ..... 3-10°C
Acidity value 196-204
Iodine value 85-95
MAXIMUM LIMIT OF IMPURITIES
Residue on ignition (as SO_4) ..... 0,01 %
Mineral acids ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t.
Neutral fats or mineral oil ..... p/t.
Animal origin.
Non-added stabilizers.
Complies USP 29 specifications

Order code	Package	Units/Box st.
142659.1611	1000 ml	6
142659.1214	5 l	4
142659.0716	25 l	

Orange II (C.I. 15510) PA

$C_{16}H_{11}N_2NaO_4S$

M: 350,33 CAS: 633-96-5 EINECS: 211-199-0 NC: 3204 16 00
SPECIFICATIONS:
Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 484-487 nm
A 1%, 1cm, λmax ..... >450
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C ..... 5 %
Cu ..... 0,005 %
Fe ..... 0,01 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
121814.1606	25 g	6
121814.1608	100 g	6

Orange II (C.I. 15510) DC

for microscopy and histology
$C_{16}H_{11}N_2NaO_4S$

M: 350,33 CAS: 633-96-5 EINECS: 211-199-0 NC: 3204 16 00
SPECIFICATIONS:
Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 484-487 nm
A 1%, 1cm, λmax ..... >450
Ratio λmax. P± 15 nm 0,93-0,98
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C ..... 5 %

Order code	Package	Units/Box st.
251814.1606	25 g	6

Orange G (C.I. 16230) PA

for microscopy
$C_{16}H_{10}N_2Na_2O_7S_2$

M: 452,36 CAS: 1936-15-8 EINECS: 217-705-6 NC: 3204 12 00
SPECIFICATIONS:
Identity ..... IR p/t.
λ of max. ABS in H_2O 476-481
A 1%, 1 m, λmax ..... >380
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C ..... 15 %

Order code	Package	Units/Box st.
123596.1606	25 g	6

Orcein DC

for microscopy, chromosome staining
CAS: 1400-62-0 EINECS: 215-750-6 NC: 3203 00 10
SPECIFICATIONS:
Identity ..... IR p/t.
λ of max. ABS in NaOH 0,01 mol/l ..... 575-580 nm
A 1%, 1 cm, λmax ..... >500
Ratio λmax. P ± 15 nm 0,98-1,18
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,005 %
Hg ..... 0,0001 %
Mn ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Se ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
251324.1604	5 g	6
251324.1606	25 g	6

ORCEIN SOLUTIONS

Orcein solution A hydroacetic-hydrochloric solution DC

for microscopy, chromosome staining
NC: 3203 00 10 UN: 1760
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C **R: 34 S: 45**
1l~1,062kg 1kg~0,942l
Composition:
Orcein ..... 2,0 g
Acetic Acid ..... 45,8 ml
Hydrochloric Acid 1 mol/l ..... 8,3 ml
Water ..... 45,8 ml

Order code	Package	Units/Box st.
251993.1208	100 ml	6
251993.1209	250 ml	6

Orcein solution B hydroacetic solution DC

for microscopy, chromosome staining
NC: 3203 00 10 UN: 1760
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C **R: 34 S: 45**
1l~1,065kg 1kg~0,939l
Composition:
Orcein ..... 2,0 g
Acetic Acid ..... 55 ml
Water ..... 55 ml

Order code	Package	Units/Box st.
251994.1208	100 ml	6
251994.1209	250 ml	6

Orcinol

(see 3,5-Dihydroxytoluene 1-hydrate)

L-Ornithine Hydrochloride, 99% PS

$C_5H_{12}N_2O_2.HCl$

M: 168,62 CAS: 3184-13-2 EINECS: 221-678-6 NC: 2922 49 95
SPECIFICATIONS:
Minimum assay ..... 99 %

Order code	Package	Units/Box st.
15A356.1606	25 g	6
15A356.1608	100 g	6

Osmic Acid
(see Osmium(VIII) Oxide)

OSMIUM SOLUTION
(see Standards for ICP)

Osmium(VIII) Oxide PA-ACS
OsO_4
M: 254,20 CAS: 20816-12-0 EINECS: 244-058-7 NC: 2843 90 90 UN: 2471
IMDG: 6.1/I ADR: 6.1/I IATA: 6.1/I PAX: 608 CAO: 608
HAZARDOUS:
T+
R: 26/27/28-34 S: 7/9-26-45 CE: 076-001-00-5
SPECIFICATIONS:
Minimum assay ..... 99,8 %
Identity ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in C_2H_5OH ..... p/t.

Order code	Package	Units/Box st.
132901.0201	0,1 g	6
132901.0202	0,5 g	6
132901.0203	1 g	6

Osmium(VIII) Oxide solution 4% DC
for electron microscopy
OsO_4
M: 254,20 CAS: 20816-12-0 EINECS: 244-058-7 NC: 3822 00 00 UN: 3287
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:
T
R: 23/24/25-36/38 S: 7/9-26-45 CE: 076-001-00-5
1l~1,03kg 1kg~0,97l
Composition:
Osmium(VIII) Oxide ..... 40 g
Water s.q.m. ..... 1000 ml

Order code	Package	Units/Box st.
255793.1604	5 ml	6

Osmium Tetroxide
(see Osmium(VIII) Oxide)

Oxalic Acid 2-hydrate (Reag. Ph. Eur.) PA-ACS-ISO
$(COOH)_2.2H_2O$
M: 126,07 CAS: 6153-56-6 EINECS: 205-634-3 NC: 2917 11 00
HAZARDOUS:
Xn
R: 21/22 S: 24/25 CE: 607-006-00-8
SPECIFICATIONS:
Assay (Perm.) 99,5-102,5%
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Residue on ignition (as SO_4) ..... 0,01 %
Darkened substances by H_2SO_4 ..... p/t.
Nitrogen compounds (as N) ..... 0,001 %
Chloride (Cl) ..... 0,0005 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,0005 %
Metals by ICP [mg/Kg (ppm)]

Ag	2	Cu	5	Pb	5
Al	2	Fe	2	Sb	2
Au	2	Ga	2	Si	5
B	2	Ge	2	Sr	2
Ba	15	In	2	Ti	2
Be	2	K	50	Tl	2
Bi	5	Mg	10	V	2
Ca	10	Mn	2	Zn	2
Cd	2	Mo	2	Zr	2
Co	2	Na	50		
Cr	2	Ni	5		

Order code	Package	Units/Box st.
131041.1210	500 g	6
131041.1211	1000 g	6
131041.1214	5 kg	
131041.0416	25 kg	

Oxalic Acid 2-hydrate PRS
$(COOH)_2.2H_2O$
M: 126,07 CAS: 6153-56-6 EINECS: 205-634-3 NC: 2917 11 00
HAZARDOUS:
Xn
R: 21/22 S: 24/25 CE: 607-006-00-8
SPECIFICATIONS:
Assay (Perm.) ..... 99 %
Identity ..... IR p/t.
Insoluble matter in H_2O ..... 0,01 %
Residue on ignition (as SO_4) ..... 0,05 %
Nitrogen compounds (as N) ..... 0,005 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
Ca ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Mg ..... 0,005 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141041.1210	500 g	6
141041.1211	1000 g	6
141041.1214	5 kg	
141041.0416	25 kg	

Oxalic Acid 2-hydrate, 99% PS
$(COOH)_2.2H_2O$
M: 126,07 CAS: 6153-56-6 EINECS: 205-634-3 NC: 2917 11 00
HAZARDOUS:
Xn
R: 21/22 S: 24/25 CE: 607-006-00-8
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
151041.1208	100 g	6
151041.1210	500 g	6

OXALIC ACID VOLUMETRIC SOLUTIONS

Oxalic Acid 0,025 mol/l (0,05N) SV
$C_2H_2O_4.2H_2O$
M: 126,07 CAS: 6153-56-6 EINECS: 205-634-3 NC: 2917 11 00
1l~1,003kg 1kg~0,997l
SPECIFICATIONS:
Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
182123.1211	1000 ml	6

Oxalic Acid 0,05 mol/l (0,1N) SV
$C_2H_2O_4.2H_2O$
M: 126,07 CAS: 6153-56-6 EINECS: 205-634-3 NC: 2917 11 00
1l~1,002kg 1kg~0,998l
SPECIFICATIONS:
Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
181043.1211	1000 ml	6

Oxalic Acid 0,05 mol (6,303g $C_2H_2O_4$) to prepare 1l of 0,1N solution SVc
$C_2H_2O_4.2H_2O$
M: 126,07 CAS: 6153-56-6 EINECS: 205-634-3 NC: 2917 11 00
HAZARDOUS:
Xn
R: 21/22 S: 24/25 CE: 607-006-00-8
SPECIFICATIONS:
Titer ..... 1,000 ±0,002

Order code	Package	Units/Box st.
303113.1920	1 ampoule	6

Oxalic Acid 0,5 mol/l (1N) SV
$C_2H_2O_4.2H_2O$
M: 126,07 CAS: 6153-56-6 EINECS: 205-634-3 NC: 2917 11 00
HAZARDOUS:
Xn
R: 21/22 S: 24/25 CE: 607-006-00-8
1l~1,019kg 1kg~0,981l
SPECIFICATIONS:
Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
181042.1211	1000 ml	6

Oxalic Acid Bis (Cyclohexylidene hydrazide) PA

mercaptan reagent, tiophens and copper(I) ions

$C_{14}H_{22}N_4O_2$

M: 278,36 CAS: 370-81-0 EINECS: 206-729-2 NC: 2933 99 90 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

SPECIFICATIONS:
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in C_2H_5OH ..... p/t.
Residue on ignition (as SO_4) ..... 0,05 %
Sensitivity to Cu ..... p/t.

Order code	Package	Units/Box st.
123137.1606	25 g	6

Oxalic Acid Diethyl Ester

(see Diethyl Oxalate)

Oxalic Acid Hemipotassium Salt

(see Potassium tetra-Oxalate 2-hydrate)

Oxalyl Chloride, 98% PS

$C_2Cl_2O_2$

M: 126,93 CAS: 79-37-8 EINECS: 201-200-2 NC: 2917 19 90 UN: 2922
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:
T C
R: 14-23/24/25-34 S: 26-36/37/39-45
1l~1,473kg 1kg~0,679l

SPECIFICATIONS:
Minimum assay (Arg.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,471-1,475

Order code	Package	Units/Box st.
15A846.1606	25 ml	6
15A846.1608	100 ml	6

Ox Bile (Ingredient) CULTIMED

Product used to estimulate the growth of enteric bacteria.

NC: 0510 00 00

SPECIFICATIONS:
pH of 2% solution 6,0-8,5
Loss on drying at 105°C ..... 6 %
Cholic Acid ..... ≥40 %

Order code	Package	Units/Box st.
403685.1210	500 g	6
403685.0914	5 kg	
403685.0416	25 kg	

OXI-OLEO-TEST RE

for determination of the degree of deterioration of fried fats and oils. 60 tests

NC: 3822 00 00 UN: 2924
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:
F C Xn
R: 11-20/22-35-41-67 S: 7-16-24-26-36/37/39-46

Comprised of:
2x100 ml OXI-OLEO-TEST Reagent 1
1x20 ml OXI-OLEO-TEST Reagent 2
1 Plastic case
1 Plastic syringe of 5 ml
2 Test tubes with stopper
1 Scoop
1 Colour scale
1 Instructions sheet

Order code	Package	Units/Box st.
175145.0922	pack	6

OXI-OLEO-TEST Refill RE

30 tests

NC: 3822 00 00 UN: 2924
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:
F C Xn
R: 11-20/22-35-41-67 S: 7-16-24-26-36/37/39-46

Comprised of:
1x100 ml OXI-OLEO-TEST Reagent 1
1x20 ml OXI-OLEO-TEST Reagent 2

Order code	Package	Units/Box st.
175164.0922	pack	6

2-Oxoglutaric Acid PRS

$C_5H_6O_5$

M: 146,02 CAS: 328-50-7 EINECS: 206-330-3 NC: 2918 30 00

HAZARDOUS:
Xi
R: 41 S: 26-39

SPECIFICATIONS:
Assay (Acidim.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 114-116°C
Insoluble matter in H_2O ..... p/t.
Loss on drying at 80°C ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,05 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,02 %
As ..... 0,0001 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
142384.1607	50 g	6

Oxytetracycline Hydrochloride PB

$C_{22}H_{24}N_2O_9.HCl$

M: 496,90 CAS: 2058-46-0 EINECS: 218-161-2 NC: 2941 30 00

SPECIFICATIONS:
Minimum assay ..... 95,0-100,5 %
Identity ..... IR p/t.
Specific rotation $[\alpha]^{20}/D$ c=1 (in HCl 0,1 mol/l) calc. a.a.s.... -188 to -200°

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O-C_2H_5OH ..... p/t.
Water (H_2O) ..... 2,0 %
Heavy metals (as Pb) ..... 0,001 %

Order code	Package	Units/Box st.
374948.1604	5 g	6
374948.1606	25 g	6

PABA

(see 4-Aminobenzoic Acid)

PALLADIUM SOLUTIONS

(see Standards for ICP)

Palladium-Charcoal Activated (5% Pd) PS

Pd

M: 106,42 CAS: 7440-05-3 EINECS: 231-115-6 NC: 7110 21 00

SPECIFICATIONS:
Assay (as Pd) ..... ~5 %

Order code	Package	Units/Box st.
15A363.1604	5 g	6
15A363.1608	100 g	6

Palladium-Charcoal Activated (10% Pd) PS

Pd

M: 106,42 CAS: 7440-05-3 EINECS: 231-115-6 NC: 7110 21 00

SPECIFICATIONS:
Assay (as Pd) ..... ~10 %

Order code	Package	Units/Box st.
15A331.1604	5 g	6
15A331.1607	50 g	6

Palladium 5% on Calcium Carbonate, poisoned with lead PS

Pd

M: 106,42 CAS: 7440-05-3 EINECS: 231-115-6 NC: 7110 21 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:
T N
R: 61-50/53 S: 53-60-61

SPECIFICATIONS:
Assay (as Pb) ..... ~5 %

Order code	Package	Units/Box st.
15B121.1605	10 g	6
15B121.1607	50 g	6

Palladium(II) Chloride anhydrous PS

$PdCl_2$

M: 177,31 CAS: 7647-10-1 EINECS: 231-596-2 NC: 2843 90 90 UN: 1759
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:

C

R: 34 S: 26-36/37/39-45

SPECIFICATIONS:
Minimum assay (as Pd) (Gravimetric) ..... 59 %
Loss on drying at 120°C ..... 0,3 %

Order code	Package	Units/Box st.
15A847.1503	1 g	6
15A847.1504	5 g	6
15A847.1505	10 g	6

Palmitic Acid (E-570, F.C.C.) ADITIO

$C_{16}H_{32}O_2$

M: 256,43 CAS: 57-10-3 EINECS: 200-312-9 NC: 2915 70 15
SPECIFICATIONS:
Assay (G.C.), not less than ..... 98 %
Solidification point ..... 53,3-62°C
Residue on ignition, not more than ..... 0,1 %
Unsaponifiable matter, not more than ..... 1,5 %
Acidity value 204-220
Saponification value 205-221
Iodine value, not more than 2,0
Water, not more than ..... 0,2 %
Arsenic, not more than ..... 3 ppm
Mercury, not more than ..... 1 ppm
Lead, not more than ..... 0,1 ppm
Specifications Dir. 2008/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
202345.0914	5 kg	

Palmitic Acid, 98% PS

$C_{16}H_{32}O_2$

M: 256,43 CAS: 57-10-3 EINECS: 200-312-9 NC: 2915 70 15
SPECIFICATIONS:
Minimum assay (G.C. as methyl ester.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 62-65°C

Order code	Package	Units/Box st.
162345.1211	1000 g	6

Palmitic Acid Methyl Ester

(see Methyl Palmitate)

Palmitic Alcohol

(see Cetyl Alcohol)

Pandy's Reagent DC

for determination of globulins in cephalorachidial liquids

NC: 3822 00 00 UN: 2810
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:

T

R: 24/25-34 S: 26-45

1l~1,005kg 1kg~0,995l
Composition:
Phenol crystallized ..... 6,6 g
Water ..... 100 ml

Order code	Package	Units/Box st.
251585.1609	250 ml	6

Panoptic, Fast

(see Kit for Fast Staining in Haematology)

Papanicolaou, Kit of

(see: Eukitt, mounting medium. Harris Hematoxylin solution. Papanicolaou's Solution EA 50. Papanicolaou's Solution OG 6)

Papanicolaou's Solution EA 50 DC

for cytology

NC: 3204 16 00 UN: 1992
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn

R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45

1l~0,817kg 1kg~1,224l
Composition:
Light Green SF yellowish ..... 58 mg
Bismark Brown R ..... 40 mg
Eosin Yellowish ..... 0,225 g
Phosphotungstic Acid hydrate ..... 0,17 g
Acetic Acid glacial ..... 0,1 g
Methanol ..... 93 ml
Water ..... 7 ml

Order code	Package	Units/Box st.
253594.1610	500 ml	6
253594.1611	1000 ml	6
253594.1612	2,5 l	4

Papanicolaou's Solution OG 6 DC

for cytology

NC: 3204 12 00 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F

R: 11 S: 7-16

1l~0,833kg 1kg~1,200l
Composition:
Orange G ..... 0,2 g
Phosphotungstic Acid hydrate ..... 0,02 g
Ethanol absolute ..... 88,5 ml
Water ..... 11,5 ml

Order code	Package	Units/Box st.
253892.1610	500 ml	6
253892.1611	1000 ml	6
253892.1612	2,5 l	4

PAR

(see 4-(2-Pyridylazo) Resorcinol mono-Sodium Salt 1-hydrate)

Paraffin M.P. ~42-44°C pieces QP

near to corporal temperature

CAS: 8002-74-2 EINECS: 232-315-6 NC: 2712 20 90
Residue on ignition (as SO_4) ..... 0,05 %
Acidity or alkalinity ..... p/t.

Order code	Package	Units/Box st.
213206.0911	1000 g	6
213206.0914	5 kg	
213206.0416	25 kg	

Paraffin M.P. 51-53°C pellets (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

CAS: 8002-74-2 EINECS: 232-315-6 NC: 2712 20 90
SPECIFICATIONS:
Identity according to Pharmacopoeias ..... p/t.
Melting range ..... 51-55°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in C_8H_{10} ..... p/t.
Residue on ignition ..... 0,05 %
Darkened substances by H_2SO_4 ..... p/t.
Polynuclear hydrocarbons ..... p/t.
Acidity or alkalinity ..... p/t.
Reaction ..... p/t.
Sulphate (SO_4) ..... 0,015 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
143209.1211	1000 g	6
143209.0914	5 kg	
143209.0416	25 kg	

Paraffin M.P. 51-53°C pellets (F.C.C.) ADITIO

CAS: 8002-74-2 EINECS: 232-315-6 NC: 2712 20 90
SPECIFICATIONS:
Melting range ..... 51-55°C
ABS (Polynucl.Hydroc.) λ280-289 nm, not more than 0,15
ABS (Polynucl.Hydroc.) λ290-299 nm,not more than 0,12
ABS (Polynucl.Hydroc.) λ300-359 nm, not more than 0,08
ABS (Polynucl.Hydroc.) λ360-400 nm, not more than 0,02
Lead, not more than ..... 1 ppm
IR ..... p/t.
Specifications F.C.C. 6

Order code	Package	Units/Box st.
203209.0914	5 kg	

Paraffin M.P. 51-53°C pellets DC

for histology

CAS: 8002-74-2 EINECS: 232-315-6 NC: 2712 20 90

SPECIFICATIONS:

Identity.....IR p/t.
Melting range..... 51-53°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble in C_8H_{10} ..... p/t.
Acidity or alkalinity..... p/t.

Order code	Package	Units/Box st.
253209.1211	1000 g	6
253209.0914	5 kg	4
253209.0416	25 kg	

Paraffin M.P. 52°C plasticized pellets DC

for histology, sensitive tissues

CAS: 8002-74-2 EINECS: 232-315-6 NC: 2712 20 90

Identity.....IR p/t.
Melting range..... 51-53°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in C_8H_{10}..... p/t.
Acidity or alkalinity..... p/t.

Order code	Package	Units/Box st.
255803.1211	1000 g	6
255803.0914	5 kg	4

Paraffin M.P. 56-58°C pellets DC

for histology

CAS: 8002-74-2 EINECS: 232-315-6 NC: 2712 20 90

SPECIFICATIONS:

Identity.....IR p/t.
Melting range..... 56-58°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in C_8H_{10}..... p/t.
Acidity or alkalinity..... p/t.

Order code	Package	Units/Box st.
253211.1211	1000 g	6
253211.0914	5 kg	4
253211.0416	25 kg	

Paraffin M.P. 56-58°C plasticized + DMSO pellets DC

for histology

CAS: 8002-74-2 EINECS: 232-315-6 NC: 2712 20 90

SPECIFICATIONS:

Identity.....IR p/t.
Melting range..... 56-58°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in C_8H_{10}..... p/t.
Acidity or alkalinity..... p/t.

Order code	Package	Units/Box st.
254667.1211	1000 g	6
254667.0914	5 kg	4

Paraffin M.P. 56-58°C plasticized pellets DC

for histology

CAS: 8002-74-2 EINECS: 232-315-6 NC: 2712 20 90

SPECIFICATIONS:

Identity.....IR p/t.
Melting range..... 56-58°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble in C_8H_{10} ..... p/t.
Acidity or alkalinity..... p/t.

Order code	Package	Units/Box st.
252913.1211	1000 g	6
252913.0914	5 kg	4
252913.0416	25 kg	

Paraffin M.P. 60-65°C (F.C.C.) ADITIO

CAS: 8002-74-2 EINECS: 232-315-6 NC: 2712 20 90

SPECIFICATIONS:

Melting range..... 60-65°C
ABS max. (aromatic pol. hydrocarbons) at λ280-289 nm.....0,15
ABS max. (aromatic pol. hydrocarbons) at λ290-299 nm.....0,12
ABS max. (aromatic pol. hydrocarbons) at λ300-359 nm.....0,08
ABS max. (aromatic pol. hydrocarbons) at λ360-400 nm.....0,02
Lead, not more than..... 1 ppm
IR ..... p/t.
Specifications F.C.C. 6

Order code	Package	Units/Box st.
204621.0911	1 kg	
204621.0914	5 kg	

Paraplast X-Tra®Paraffin M.P. 52°C pellets

® Registered trade-mark of McCormick Scientific, LLC.)for histology, sensitive tissues

CAS: 8002-74-2 EINECS: 232-315-6 NC: 2712 20 90

Composition:
Paraffin .....>90 %
Microcrystalline Wax .....<5 %
Hydrocarbon Resin.....<5 %
Polyisobutylene .....<1 %
Butylated hydroxytoluene..... 1 %

Order code	Package	Units/Box st.
PPXTRA.0933	6 x 1 kg	4

Paraplast Plus®, Paraffin M.P. 56°C + DMSO pellets

(® Registered trade-mark of McCormick Scientific, LLC.)for histology

CAS: 8002-74-2 EINECS: 232-315-6 NC: 2712 20 90

Composition:
Paraffin .....>98 %
Dimethylsulphoxide.....<1 %
Polyisobutylene .....<1 %

Order code	Package	Units/Box st.
PPPLUS.0933	6 x 1 kg	

Paraplast® Paraffin M.P. 56-58°C pellets

(® Registered trade-mark of McCormick Scientific, LLC.)for histology

CAS: 8002-74-2 EINECS: 232-315-6 NC: 2712 20 90

Composition:
Paraffin .....>99 %
Polyisobutylene .....<1%

Order code	Package	Units/Box st.
PPLAST.0939	4 x 5 kg	

Paraformaldehyde (DAC) PRS-CODEX

$(HCHO)_n$

CAS: 30525-89-4 EINECS: 200-001-8 NC: 2912 60 00 UN: 2213
IMDG: 4.1/III ADR: 4.1/III IATA: 4.1/III PAX: 419 CAO: 420

HAZARDOUS:

Xn

R: 22-36/37/38-40-43 S: 22-26-36/37

SPECIFICATIONS:

Assay (Acidim.).....95,0-100,5%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in NH_4OH ..... p/t.
Residue on ignition (as SO_4).....0,1 %
Residual solvents (Ph.Eur./USP)..... p/t
Acidity or alkalinity..... p/t.
Heavy metals (as Pb).....0,001 %

Order code	Package	Units/Box st.
141451.1210	500 g	6
141451.1211	1000 g	6
141451.0914	5 kg	
141451.0416	25 kg	

Paraformaldehyde, 95% PS

$(HCHO)_n$

CAS: 30525-89-4 EINECS: 200-001-8 NC: 2912 60 00 UN: 2213
IMDG: 4.1/III ADR: 4.1/III IATA: 4.1/III PAX: 419 CAO: 420

HAZARDOUS:

Xn

R: 22-36/37/38-40-43 S: 22-26-36/37

SPECIFICATIONS:

Assay (Acidim.).....95 %
Identity.....IR p/t.

Order code	Package	Units/Box st.
151451.1210	500 g	6

Paraformaldehyde tablets ~1g QP

$(HCHO)_n$

CAS: 30525-89-4 EINECS: 200-001-8 NC: 2912 60 00 UN: 2213
IMDG: 4.1/III ADR: 4.1/III IATA: 4.1/III PAX: 419 CAO: 420

HAZARDOUS:

Xn

R: 22-36/37/38-40-43 S: 22-26-36/37

SPECIFICATIONS:

Assay (Acidim.) applied to basis matter ..... 95 %
Acidity or alkalinity..... p/t.
Excipient.....~1 %

Order code	Package	Units/Box st.
211511.1209	250 g	6
211511.1211	1000 g	6
211511.0914	5 kg	
211511.0416	25 kg	

Pararosaniline base (C.I. 42500) DC

$C_{19}H_{19}N_3O$

M: 305,38 CAS: 25620-78-4 EINECS: 207-395-0 NC: 3204 13 00

HAZARDOUS:

Xn

R: 40 S: 36/37

SPECIFICATIONS:

Identity.....IR p/t.
λ of max. ABS in C_2H_5OH 50%..... 544-547 nm
A 1%; 1cm; λmax.....>2300
Ratio λmax., P±15 nm..... 1,15-1,35
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C..... 5 %

Order code	Package	Units/Box st.
254615.1605	10 g	6

PATENT BLUE V SOLUTIONS

Patent Blue V solution 0,5% w/v RE

for Specified Risk Material staining

NC: 3822 00 00

1l~1,005kg 1kg~0,995l

Composition:
Patent Blue V .....0,5 g
Water s.q.m. .....100 ml

Order code	Package	Units/Box st.
175630.1214	5 l	4
175630.0716	25 l	

Patent Blue V solution 5% w/v RE

for Specified Risk Material staining

NC: 3822 00 00

1l~1,008kg 1kg~0,992l

Composition:
Patent Blue V.....5 g
Water s.q.m. .....100 ml

Order code	Package	Units/Box st.
175723.1214	5 l	4

Patent Blue VF

(see Disulphine Blue)

Patton and Reeder Reagent

(see Calconcarboxylic Acid)

PEG

(see Polyethylene Glycol)

n-Pentane (UV-IR-HPLC) PAI

C_5H_{12}

M: 72,15 CAS: 109-66-0 EINECS: 203-692-4 NC: 2901 10 00 UN: 1265

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F+ Xn N

R: 12-65-66-67-51/53 S: 9-16-29-33-61-62

CE: 601-006-00-1

1l~0,626kg 1kg~1,597l

SPECIFICATIONS:

Minimum assay (G.C.) .....99,5 %
Density at 20/4 0,624-0,628

MAXIMUM LIMIT OF IMPURITIES

APHA colour.....10
Non volatile matter .....0,0003 %
Acidity..... 0,0005 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O).....0,005 %
Suitability for IR spectrometry..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	195 (Cut off)	200	210	215	220	240-400
A (AU)	1,000	0,398	0,155	0,097	0,046	0,009
T (%)	10	40	70	80	90	98

Fluorescence (as quinine):

λ (nm)	254	365
ppb	1,0	1,0

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity.....0,0
Eluotropic value ε°(Al_2O_3) 0,00
Sol. H_2O in solv. at 20°C.....0,01
P' + 0,25 E.....0,5
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
362006.1611	1000 ml	6
362006.1612	2,5 l	4

n-Pentane (PAR) PAI

C_5H_{12}

M: 72,15 CAS: 109-66-0 EINECS: 203-692-4 NC: 2901 10 00 UN: 1265

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F+ Xn N

R: 12-65-66-67-51/53 S: 9-16-29-33-61-62

CE: 601-006-00-1

1l~0,626kg 1kg~1,597l

SPECIFICATIONS:

Minimum assay (G.C.) .....99,0 %
Identity.....IR p/t.
Density at 20/4 0,624-0,628

MAXIMUM LIMIT OF IMPURITIES

APHA colour.....10
Non-volatile matter..... 0,0005 %
Acidity..... 0,0005 meq/g
Water (H_2O).....0,01 %
Signal ECD of pesticide (Lindane to DDT) (as Lindane) .....5 ng/l
Signal PND of pesticide (Ethylparathion to Coumaphos)
(as Ethylparathion).....5 ng/l

Order code	Package	Units/Box st.
322006.1612	2,5 l	4

n-Pentane (Reag. USP, Ph. Eur.) PA

C_5H_{12}

M: 72,15 CAS: 109-66-0 EINECS: 203-692-4 NC: 2901 10 00 UN: 1265

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F+ Xn N

R: 12-65-66-67-51/53 S: 9-16-29-33-61-62

CE: 601-006-00-1

1l~0,626kg 1kg~1,597l

SPECIFICATIONS:

Minimum assay (G.C.) .....99,0 %
Identity.....IR p/t.
Density at 20/4 0,624-0,628
Boiling range (>95% dist.)..... 34-36°C

MAXIMUM LIMIT OF IMPURITIES

APHA colour.....10
Non-volatile matter.....0,001 %
Darkened substances by H_2SO_4..... p/t.
Sulphur compounds (as S).....0,002 %
Acidity..... 0,0005 meq/g
Water (H_2O).....0,01 %
Thiophene..... p/t.

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	Sb	0,02
Au	0,05	Hg	0,05	Si	0,2
B	0,02	In	0,05	Sn	0,1
Ba	0,1	K	0,1	Sr	0,2
Be	0,02	Li	0,05	Ti	0,02
Bi	0,05	Mg	0,1	Tl	0,02
Ca	0,5	Mn	0,02	V	0,02
Cd	0,05	Mo	0,02	Zn	0,1
Co	0,02	Na	0,5	Zr	0,02
Cr	0,02	Ni	0,02		
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
122006.1611	1000 ml	6
122006.1612	2,5 l	4
122006.0314	5 l	4
122006.0316	25 l	

VINIKIT

Análisis de vinos
Wine analysis
Analyse des vins

n-Pentane PRS

C_5H_{12}

M: 72,15 CAS: 109-66-0 EINECS: 203-692-4 NC: 2901 10 00 UN: 1265
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F+ Xn N

R: 12-65-66-67-51/53 S: 9-16-29-33-61-62

CE: 601-006-00-1

1l~0,626kg 1kg~1,597l

SPECIFICATIONS:

Assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,624-0,628
Non-volatile matter ..... 0,005 %
Isopentane (G.C.) ..... 1 %
Sulphur compounds (as S) ..... 0,005 %
Acidity ..... 0,001 meq/g
Water (H_2O) ..... 0,02 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
142006.1611	1000 ml	6
142006.1612	2,5 l	4
142006.0314	5 l	4
142006.0616	25 l	

n-Pentane 95% (UV-IR-HPLC) PAI

C_5H_{12}

M: 72,15 CAS: 109-66-0 EINECS: 203-692-4 NC: 2901 10 00 UN: 1265
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 302 CAO: 303

HAZARDOUS:

F+ Xn N

R: 12-65-66-67-51/53 S: 9-16-29-33-61-62

CE: 601-006-00-1

1l~0,626kg 1kg~1,597l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 95,0 %
Density at 20/4 0,624-0,628

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non volatile matter ..... 0,0003 %
Acidity ..... 0,0005 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,005 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	195 (Cut off)	200	210	220	230	240-400
A (AU)	1,000	0,523	0,155	0,046	0,018	0,009
T (%)	10	30	70	90	96	98

Fluorescence (as quinine):

λ (nm)	254	365
ppb	1,0	1,0

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 0,0
Eluotropic value E°(Al_2O_3) 0,00
Sol. H_2O in solv. at 20°C 0,01
P' + 0,25 E 0,5
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
364462.1611	1000 ml	6

n-Pentane 95% (PAR) PAI

C_5H_{12}

M: 72,15 CAS: 109-66-0 EINECS: 203-692-4 NC: 2901 10 00 UN: 1265
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 302 CAO: 303

HAZARDOUS:

F+ Xn N

R: 12-65-66-67-51/53 S: 9-16-29-33-61-62

CE: 601-006-00-1

1l~0,626kg 1kg~1,597l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 95,0 %
Identity ..... IR p/t.
Density at 20/4 0,624-0,628

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,0005 %
Acidity ..... 0,0005 meq/g
Water (H_2O) ..... 0,01 %
Signal ECD of pesticide (Lindane to DDT) (as Lindane) ..... 5 ng/l
Signal PND of pesticide (Ethylparathion to Coumaphos)
(as Ethylparathion) ..... 5 ng/l
Signal FID of 2-Octanol to Tetradecanol (as 2-Octanol) ..... p/t.

Order code	Package	Units/Box st.
324462.1611	1000 ml	6

n-Pentane 95% dry (max. 0,005% water) DS

C_5H_{12}

M: 72,15 CAS: 109-66-0 EINECS: 203-692-4 NC: 2901 10 00 UN: 1265
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 302 CAO: 303

HAZARDOUS:

F+ Xn N

R: 12-65-66-67-51/53 S: 9-16-29-33-61-62

CE: 601-006-00-1

1l~0,626kg 1kg~1,597l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 95,0 %
Identity ..... IR p/t.
Density at 20/4 0,624-0,628

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Darkened substances by H_2SO_4 ..... p/t.
Sulphur compounds (as S) ..... 0,002 %
Acidity ..... 0,0005 meq/g
Water (H_2O) ..... 0,005 %
Thiophene ..... p/t.

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	Sb	0,02
Au	0,05	Hg	0,05	Si	0,2
B	0,02	In	0,05	Sn	0,1
Ba	0,1	K	0,1	Sr	0,2
Be	0,02	Li	0,05	Ti	0,02
Bi	0,05	Mg	0,1	Tl	0,02
Ca	0,5	Mn	0,02	V	0,02
Cd	0,05	Mo	0,02	Zn	0,1
Co	0,02	Na	0,5	Zr	0,02
Cr	0,02	Ni	0,02		
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
484462.1611	1000 ml	6

n-Pentane 95% PA

C_5H_{12}

M: 72,15 CAS: 109-66-0 EINECS: 203-692-4 NC: 2901 10 00 UN: 1265
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 302 CAO: 303

HAZARDOUS:

F+ Xn N

R: 12-65-66-67-51/53 S: 9-16-29-33-61-62

CE: 601-006-00-1

1l~0,626kg 1kg~1,597l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 95,0 %
Identity ..... IR p/t.
Density at 20/4 0,624-0,628

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Darkened substances by H_2SO_4 ..... p/t.
Sulphur compounds (as S) ..... 0,002 %
Acidity ..... 0,0005 meq/g
Water (H_2O) ..... 0,015 %
Thiophene ..... p/t.

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	Sb	0,02
Au	0,05	Hg	0,05	Si	0,2
B	0,02	In	0,05	Sn	0,1
Ba	0,1	K	0,1	Sr	0,2
Be	0,02	Li	0,05	Ti	0,02
Bi	0,05	Mg	0,1	Tl	0,02
Ca	0,5	Mn	0,02	V	0,02
Cd	0,05	Mo	0,02	Zn	0,1
Co	0,02	Na	0,5	Zr	0,02
Cr	0,02	Ni	0,02		
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
124462.1611	1000 ml	6
124462.1612	2,5 l	4
124462.0314	5 l	4
124462.0316	25 l	

n-Pentane 95% PS

C_5H_{12}

M: 72,15 CAS: 109-66-0 EINECS: 203-692-4 NC: 2901 10 00 UN: 1265
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 302 CAO: 303
HAZARDOUS:

F+ Xn N **R: 12-65-66-67-51/53 S: 9-16-29-33-61-62**
CE: 601-006-00-1
1l~0,626kg 1kg~1,597l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 95 %
Identity ..... IR p/t.
Density at 20/4 0,624-0,628
Non-volatile matter ..... 0,002 %
Water (H_2O) ..... 0,01 %

Order code	Package	Units/Box st.
164462.1611	1000 ml	6
164462.1612	2,5 l	4
164462.1714	5 l	4
164462.0616	25 l	

iso-Pentane

(see Isopentane)

Pentanedial

(see Glutaraldehyde)

2,4-Pentanedione (Reag. USP, Ph. Eur.) PA

$CH_3COCH_2COCH_3$

M: 100,11 CAS: 123-54-6 EINECS: 204-634-0 NC: 2914 19 90 UN: 2310
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn **R: 10-22 S: 21-23c-24/25 CE: 606-029-00-0**
1l~0,973kg 1kg~1,028l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,972-0,974
Refractive index n 20/D 1,4520-1,4525
MAXIMUM LIMIT OF IMPURITIES
Non-volatile matter ..... 0,005 %
Ethyl acetate (G.C.) ..... 0,01 %
Water (H_2O) ..... 0,05 %
Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Cu	0,02	Pt	0,02
Al	0,5	Fe	0,1	Sb	0,02
As	0,05	Ge	0,05	Si	0,2
Au	0,05	In	0,05	Sn	0,1
B	0,05	K	0,1	Sr	0,2
Ba	0,1	Li	0,05	Ti	0,02
Be	0,02	Mg	0,1	Tl	0,02
Bi	0,05	Mn	0,02	V	0,02
Ca	0,5	Mo	0,02	Zn	0,1
Cd	0,05	Na	0,5	Zr	0,02
Co	0,02	Ni	0,02		
Cr	0,02	Pb	0,1		

Order code	Package	Units/Box st.
121880.1609	250 ml	6
121880.1611	1000 ml	6

2,4-Pentanedione, 99% PS

$CH_3COCH_2COCH_3$

M: 100,11 CAS: 123-54-6 EINECS: 204-634-0 NC: 2914 19 90 UN: 2310
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn **R: 10-22 S: 21-23c-24/25 CE: 606-029-00-0**
1l~0,973kg 1kg~1,028l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,972-0,974

Order code	Package	Units/Box st.
161880.1609	250 ml	6
161880.1611	1000 ml	6

1-Pentane Sulphonic Acid Sodium Salt (HPLC) PAI

for ion pair chromatography
$C_5H_{11}NaO_3S$

M: 174,20 CAS: 22767-49-3 EINECS: 245-208-4 NC: 2904 10 00
SPECIFICATIONS:
Minimum assay (Acidim.)(calc. a.d.s.) ..... 99,0 %
Identity ..... IR p/t.
UV Spectrum 0,005 mol/l solution
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	200	220	250
A (AU)	0,155	0,046	0,009
T (%)	70	90	98

Order code	Package	Units/Box st.
364896.1606	25 g	6

1-Pentanol (Reag. Ph. Eur.) PA-ACS

$C_5H_{12}O$

M: 88,15 CAS: 71-41-0 EINECS: 200-752-1 NC: 2905 14 90 UN: 1105
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn **R: 10-20-37/38 S: 36/37-46 CE: 603-006-00-7**
1l~0,815kg 1kg~1,227l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,814-0,816
MAXIMUM LIMIT OF IMPURITIES
APHA colour 30
Non-volatile matter ..... 0,003 %
di-n-Pentyl Ether (G.C.) ..... 0,1 %
3-Methyl-1-Butanol (G.C.) ..... 0,5 %
1-Pentanal (G.C.) ..... 0,1 %
Acids and esters ..... 0,075 meq/g
Carbonyles (as HCHO) ..... 0,1 %
Water (H_2O) ..... 0,2 %
Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,1	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131884.1611	1000 ml	6
131884.1612	2,5 l	4

1-Pentanol PRS

$C_5H_{12}O$

M: 88,15 CAS: 71-41-0 EINECS: 200-752-1 NC: 2905 14 90 UN: 1105
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn **R: 10-20-37/38 S: 36/37-46 CE: 603-006-00-7**
1l~0,815kg 1kg~1,227l
SPECIFICATIONS:
Assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,814-0,816
Non-volatile matter ..... 0,01 %
Acids and esters ..... 0,15 meq/g
Carbonyles (as HCHO) ..... 0,1 %
Water (H_2O) ..... 0,5 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
141884.1211	1000 ml	6
141884.1212	2,5 l	4
141884.1214	5 l	4

PANREAC SINTESIS

Intermedios para síntesis
Synthesis intermediates
Intermédiaires de synthèse

1-Pentanol, 98% PS

$C_5H_{12}O$

M: 88,15 CAS: 71-41-0 EINECS: 200-752-1 NC: 2905 14 90 UN: 1105
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn R: 10-20-37/38 S: 36/37-46 CE: 603-006-00-7
1l~0,815kg 1kg~1,227l
SPECIFICATIONS:
Assay (G.C.).....98 %
Identity.....IR p/t.

Order code	Package	Units/Box st.
151884.1611	1000 ml	6
151884.1612	2,5 l	4

3-Pentanone

(see Diethylketone)

1,4,7,10,13-Pentaoxacyclopentadecane

(see Crown Ether/15-Crown-5)

iso-Pentyl Acetate

(see Isoamyl Acetate)

iso-Pentyl Alcohol

(see 3-Methyl-1-Butanol)

4-Pentylbenzoyl Chloride, 98% PS

$C_{12}H_{15}ClO$

M: 210,70 CAS: 49763-65-7 EINECS: 256-478-8 NC: 2916 39 00 UN: 3265
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C R: 34 S: 26-36/37/39-45
1l~1,030kg 1kg~0,971l
SPECIFICATIONS:
Assay.....98 %
Identity.....IR p/t.

Order code	Package	Units/Box st.
15C008.1603	1 ml	6
15C008.1604	5 ml	6

Pentyl Bromide

(see 1-Bromopentane)

iso-Pentyl Nitrite

(see Isoamyl Nitrite)

Pepsin 1:10.000 NF RE

CAS: 9001-75-6 EINECS: 232-629-3 NC: 3507 90 90
HAZARDOUS:

Xn R: 36/37/38-42 S: 22-24-26-36/37 CE: 647-008-00-6
SPECIFICATIONS:
Identity.....IR p/t.
pH of 5% solution 3-5
Proteolytic Activity.....1:10000

Order code	Package	Units/Box st.
175208.0011	1000 g	6

Pepsin 1:10.000 NF Plus RE

CAS: 9001-75-6 EINECS: 232-629-3 NC: 3507 90 90
HAZARDOUS:

Xn R: 36/37/38-42 S: 22-24-26-36/37 CE: 647-008-00-6
SPECIFICATIONS:
Identity.....IR p/t.
pH of 5% solution 3-5
Proteolytic Activity (as u Ph. Eur./mg) 2
MAXIMUM LIMIT OF IMPURITIES
Loss on drying.....5,0 %
Total aerobic count..... 10^4cfu/g
Escherichia coli .....absence/g
Salmonella.....absence/10 g

Order code	Package	Units/Box st.
176415.1211	1000 g	6

Liquid Pepsin RE

CAS: 9001-75-6 EINECS: 232-629-3 NC: 3507 90 90
HAZARDOUS:

Xn R: 42 S: 24-26-36/37 CE: 647-008-00-6
1l~1,215 kg 1kg~0,823l
SPECIFICATIONS:
Proteolytic Activity..... 660 u Ph. Eur./ml

Order code	Package	Units/Box st.
176408.1214	5 l	

Peptone, Bacteriological (Ingredient) CULTIMED

Product used in bacteriological culture media.
EINECS: 293-428-4 NC: 3504 00 00
SPECIFICATIONS:
pH of 2% solution 6,5-7,5
Loss on drying at 105°C..... 6 %
Residue on ignition (as SO_4) ..... 15 %
Total Nitrogen .....≥12 %

Order code	Package	Units/Box st.
403695.1210	500 g	6
403695.0914	5 kg	
403695.0416	25 kg	

Peracetic Acid solution 15% w/w RE

$C_2H_4O_3$

M: 76,05 CAS: 79-21-0 EINECS: 201-186-8 NC: 2915 29 00 UN: 3093
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C R: 20/21/22-35 S: 3/7-61-14-36/37/39-45 CE: 607-094-00-8
1l~1,130kg 1kg~0,885l
SPECIFICATIONS:
Minimum assay (Iodom.) ..... 15,0 %
Density at 20/4 1,125-1,165

Order code	Package	Units/Box st.
173495.1210	500 ml	6

VINIKIT
Análisis de vinos
Wine analysis
Analyse des vins

Perchloric Acid 70% (TMA) HIPERPUR-PLUS

$HClO_4$

M: 100,46 CAS: 7601-90-3 EINECS: 231-512-4 NC: 2811 19 80 UN: 1873
IMDG: 5.1/I ADR: 5.1/I IATA: 5.1/I PAX: P CAO: 501
HAZARDOUS:

O C

R: 5-8-35 S: 23c-26-36-45 CE: 017-006-00-4
1l~1,67kg 1kg~0,60l
SPECIFICATIONS:
Assay (Acidim.).....65-71 %
MAXIMUM LIMIT OF IMPURITIES
Metals by ICP (ppt)

Ag 100	Ho 10	Sb 100
Al 100	In 10	Sc 100
As 100	K 100	Sm 10
Ba 100	La 10	Sn 100
Be 100	Li 100	Sr 100
Bi 10	Lu 10	Tb 10
Ca 100	Mg 100	Te 10
Cd 10	Mn 100	Th 10
Ce 10	Mo 100	Ti 100
Co 100	Na 100	Tl 100
Cs 10	Nd 10	Tm 10
Cu 100	Ni 100	U 10
Dy 10	Pb 10	V 100
Er 10	Pd 10	Y 10
Eu 10	Pr 10	Yb 10
Fe 100	Pt 100	Zn 100
Ga 10	Rb 10	Zr 100
Gd 10	Rh 10	

Analysis Type:

Ag 2	Ho 0,01	Sb 50
Al 100	In 1	Sc 1
As 100	K 5	Sm 0,01
Ba 20	La 0,05	Sn 10
Be 5	Li 1	Sr 1
Bi 2	Lu 0,01	Ta 10
Ca 10	Mg 5	Tb 0,01
Cd 1	Mn 2	Te 1
Ce 0,05	Mo 1	Th 0,05
Co 1	Na 5	Ti 10
Cs 0,05	Nb 1	Tl 0,1
Cu 3	Nd 0,05	Tm 0,01
Dy 0,01	Ni 10	U 0,01
Er 0,01	Pb 1	V 1
Eu 0,01	Pd 10	W 5
Fe 10	Pr 0,05	Y 1
Ga 1	Pt 1	Yb 0,01
Gd 0,01	Rb 1	Zn 5
Hf 0,05	Rh 1	Zr 1

Order code	Package	Units/Box st.
712175.0009	250 ml	6
712175.0010	500 ml	6

Perchloric Acid 70% (TMA) HIPERPUR

$HClO_4$

M: 100,46 CAS: 7601-90-3 EINECS: 231-512-4 NC: 2811 19 80 UN: 1873
IMDG: 5.1/I ADR: 5.1/I IATA: 5.1/I PAX: P CAO: 501
HAZARDOUS:

O C

R: 5-8-35 S: 23c-26-36-45 CE: 017-006-00-4
1l~1,67kg 1kg~0,60l
SPECIFICATIONS:
Assay (Acidim.).....65-71 %
MAXIMUM LIMIT OF IMPURITIES
APHA colour.....10
Metals by ICP (ppb)

Ag 1	Gd 0,5	Rh 0,5
Al 1	Ho 0,5	Sb 0,5
As 0,5	In 0,5	Sc 0,5
Au 0,5	K 1	Sm 0,5
Ba 1	La 0,5	Sn 1
Be 0,5	Li 0,5	Sr 0,5
Bi 0,5	Lu 0,5	Tb 0,5
Ca 1	Mg 1	Te 0,5
Cd 1	Mn 1	Th 1
Ce 0,5	Mo 0,5	Ti 1
Co 0,5	Na 1	Tl 0,5
Cs 0,5	Nd 0,5	Tm 0,5
Cu 0,5	Ni 1	U 0,5
Dy 0,5	Pb 1	V 0,5
Er 0,5	Pd 0,5	Y 0,5
Eu 0,5	Pr 0,5	Yb 0,5
Fe 1	Pt 0,5	Zn 1
Ga 0,5	Rb 0,5	Zr 0,5

Analysis Type:

Ag 0,1	Ho 0,1	Sc 0,1
Al 0,5	In 0,1	Sm 0,1
As 0,1	K 0,1	Sn 0,5
Au 0,1	La 0,1	Sr 0,1
Ba 0,1	Li 0,1	Ta 0,5
Be 0,1	Lu 0,1	Tb 0,1
Bi 0,1	Mg 0,1	Te 0,1
Ca 0,5	Mn 0,1	Th 0,1
Cd 0,1	Mo 0,1	Ti 0,5
Ce 0,1	Na 0,1	Tl 0,1
Co 0,1	Nb 0,5	Tm 0,1
Cs 0,1	Nd 0,1	U 0,1
Cu 0,1	Ni 0,5	V 0,1
Dy 0,1	Pb 0,1	W 0,5
Er 0,1	Pd 0,5	Y 0,1
Eu 0,1	Pr 0,1	Yb 0,1
Fe 0,5	Pt 0,5	Zn 0,5
Ga 0,1	Rb 0,1	Zr 0,1
Gd 0,1	Rh 0,1	
Hf 0,5	Sb 0,1	

Order code	Package	Units/Box st.
722175.0010	500 ml	6
722175.0011	1000 ml	6
722175.0012	2,5 l	4

HIPERPUR

Reactivos para análisis de trazas metálicas.
Rango: PPB. Para AAS e ICP-OES
Reagents for analysis of metallic traces.
Range: PPB. For AAS and ICP-OES
Réactifs pour analyse des traces metalliques.
Range: PPB. Pour AAS et ICP-OES

Perchloric Acid 70% (max. 0,0000005% Hg) PA-ACS-ISO

$HClO_4$

M: 100,46 CAS: 7601-90-3 EINECS: 231-512-4 NC: 2811 19 80 UN: 1873
IMDG: 5.1/I ADR: 5.1/I IATA: 5.1/I PAX: P CAO: 501
HAZARDOUS:

R: 5-8-35 S: 23c-26-36-45 CE: 017-006-00-4
1l~1,67kg 1kg~0,60l
SPECIFICATIONS:

Assay (Acidim.)	69,0-72,0 %
MAXIMUM LIMIT OF IMPURITIES	
APHA colour	10
Insoluble matter in H_2O	p/t.
Residue on ignition	0,003 %
Nitrogen compounds (as N)	0,001 %
Chlorine (Cl)	0,0005 %
Chlorate (ClO_3)	0,0012 %
Chloride (Cl)	0,0003 %
Phosphate and Silicate (as PO_4)	0,0005 %
Sulphate (SO_4)	0,001 %
Heavy metals (as Pb)	0,0001 %
As	0,000005 %
Hg	0,0000005%

Metals by ICP [mg/Kg (ppm)]

Ag	0,1	Cr	0,1	Na	5
Al	0,1	Cu	0,05	Ni	0,05
Ba	0,1	Fe	1	Pb	0,1
Be	0,5	K	1	Sr	0,5
Ca	1	Li	0,5	Zn	0,1
Cd	0,05	Mg	0,5		
Co	0,1	Mn	0,05		

Order code	Package	Units/Box st.
472175.1611	1000 ml	6

Perchloric Acid 70% PA-ACS-ISO

$HClO_4$

M: 100,46 CAS: 7601-90-3 EINECS: 231-512-4 NC: 2811 19 80 UN: 1873
IMDG: 5.1/I ADR: 5.1/I IATA: 5.1/I PAX: P CAO: 501
HAZARDOUS:

R: 5-8-35 S: 23c-26-36-45 CE: 017-006-00-4
1l~1,67kg 1kg~0,60l
SPECIFICATIONS:

Assay (Acidim.)	69,0-72,0 %
MAXIMUM LIMIT OF IMPURITIES	
APHA colour	10
Insoluble matter in H_2O	p/t.
Residue on ignition	0,003 %
Nitrogen compounds (as N)	0,001 %
Chlorine (Cl)	0,0005 %
Chlorate (ClO_3)	0,0012 %
Chloride (Cl)	0,0003 %
Phosphate and Silicate (as PO_4)	0,0005 %
Sulphate (SO_4)	0,001 %
Heavy metals (as Pb)	0,0001 %
As	0,000005 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,1	Co	0,1	Na	5
Al	0,1	Cr	0,1	Ni	0,05
Ba	0,1	Cu	0,05	Pb	0,1
Be	0,5	Fe	1	Sr	0,5
Ca	1	K	1	Zn	0,1
Cd	0,05	Mn	0,05		

Order code	Package	Units/Box st.
132175.1611	1000 ml	6
132175.2211	1000 ml	6
132175.1612	2,5 l	4
132175.2212	2,5 l	4

Perchloric Acid 70% PRS

$HClO_4$

M: 100,46 CAS: 7601-90-3 EINECS: 231-512-4 NC: 2811 19 80 UN: 1873
IMDG: 5.1/I ADR: 5.1/I IATA: 5.1/I PAX: P CAO: 501
HAZARDOUS:

R: 5-8-35 S: 23c-26-36-45 CE: 017-006-00-4
1l~1,67kg 1kg~0,60l
SPECIFICATIONS:

Assay (Acidim.)	69,0-72,0 %
Residue on ignition	0,01 %
Nitrogen compounds (as N)	0,005 %
Chlorine (Cl)	0,0005 %
Chlorate (ClO_3)	0,005 %
Chloride (Cl)	0,001 %
Phosphate and Silicate (as PO_4)	0,002 %
Sulphate (SO_4)	0,003 %
As	0,0001 %
Fe	0,0005 %
Ni	0,0005 %
Pb	0,0005 %

Order code	Package	Units/Box st.
142175.1611	1000 ml	6
142175.1612	2,5 l	4
142175.2216	25 l	

Perchloric Acid 60% PA-ACS-ISO

$HClO_4$

M: 100,46 CAS: 7601-90-3 EINECS: 231-512-4 NC: 2811 19 80 UN: 1873
IMDG: 5.1/I ADR: 5.1/I IATA: 5.1/I PAX: P CAO: 501
HAZARDOUS:

R: 5-8-35 S: 23c-26-36-45 CE: 017-006-00-4
1l~1,54kg 1kg~0,65l
SPECIFICATIONS:

Assay (Acidim.)	60,0-62,0 %
MAXIMUM LIMIT OF IMPURITIES	
APHA colour	10
Insoluble matter in H_2O	p/t.
Residue on ignition	0,003 %
Nitrogen compounds (as N)	0,001 %
Chlorine (Cl)	0,0005 %
Chlorate (ClO_3)	0,001 %
Chloride (Cl)	0,0003 %
Phosphate and Silicate (as PO_4)	0,0005 %
Sulphate (SO_4)	0,001 %
Heavy metals (as Pb)	0,0001 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,1	Fe	1	Pb	0,1
Al	0,1	Ga	0,05	Pt	0,1
As	0,05	Ge	0,05	Sb	0,05
Au	0,1	Hg	0,1	Si	0,1
Ba	0,1	In	0,05	Sn	0,05
Be	0,5	K	1	Sr	0,5
Bi	0,1	Li	0,02	Ti	0,05
Ca	1	Mg	0,05	Tl	0,05
Cd	0,05	Mn	0,05	V	0,05
Co	0,1	Mo	0,05	Zn	0,1
Cr	0,1	Na	5	Zr	0,05
Cu	0,05	Ni	0,05		

Order code	Package	Units/Box st.
131054.1611	1000 ml	6
131054.2211	1000 ml	6
131054.1612	2,5 l	4
131054.2216	25 l	

Perchloric Acid 60% PRS

$HClO_4$

M: 100,46 CAS: 7601-90-3 EINECS: 231-512-4 NC: 2811 19 80 UN: 1873
IMDG: 5.1/I ADR: 5.1/I IATA: 5.1/I PAX: P CAO: 501
HAZARDOUS:

R: 5-8-35 S: 23c-26-36-45 CE: 017-006-00-4
1l~1,54kg 1kg~0,65l
SPECIFICATIONS:

Assay (Acidim.)	60,0-62,0 %
Residue on ignition	0,01 %
Nitrogen compounds (as N)	0,005 %
Chlorine (Cl)	0,0005 %
Chlorate (ClO_3)	0,005 %
Chloride (Cl)	0,001 %
Phosphate and Silicate (as PO_4)	0,002 %
Sulphate (SO_4)	0,003 %
As	0,0001 %
Fe	0,0005 %
Ni	0,0005 %
Pb	0,0005 %

Order code	Package	Units/Box st.
141054.1611	1000 ml	6
141054.1612	2,5 l	4
141054.2216	25 l	

Perchloric Acid 20% PRS

$HClO_4$

M: 100,46 CAS: 7601-90-3 EINECS: 231-512-4 NC: 2811 19 80 UN: 1802
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: P CAO: 813
HAZARDOUS:

C

R: 34 S: 23c-26-36-45 CE: 017-006-00-4
1l~1,13kg 1kg~0,88l
SPECIFICATIONS:

Assay (Acidim.) ..... 20,0-22,0 %
Residue on ignition ..... 0,01 %
Nitrogen compounds (as N) ..... 0,005 %
Chlorate (ClO_3) ..... 0,005 %
Chlorine (Cl) ..... 0,0005 %
Chloride (Cl) ..... 0,001 %
Phosphate and Silicate (as PO_4) ..... 0,002 %
Sulphate (SO_4) ..... 0,003 %
As ..... 0,0001 %
Fe ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
141044.1611	1000 ml	6

PERCHLORIC ACID VOLUMETRIC SOLUTIONS

Perchloric Acid 0,1 mol/l (0,1N) in 1,4-dioxan SV

Indicator: Crystal violet. Storage over 18°C.
$HClO_4$

M: 100,46 NC: 3822 00 00 UN: 2924
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi

R: 11-19-36/37/38 S: 16-23c-26-36/37
1l~1,040kg 1kg~0,962l
SPECIFICATIONS:

Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
181047.1611	1000 ml	6

Perchloric Acid 0,1 mol/l (0,1N) in acetic acid SV

Indicator: Crystal Violet. Storage over 18°C.
$HClO_4$

M: 100,46 NC: 3822 00 00 UN: 2920
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C

R: 10-35 S: 23c-26-36/37/39-45
1l~1,060kg 1kg~0,943l
SPECIFICATIONS:

Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
181046.1611	1000 ml	6

Perchloric Acid 1 mol/l (1N) SV

$HClO_4$

M: 100,46 CAS: 7601-90-3 EINECS: 231-512-4 NC: 2811 19 80 UN: 1802
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: P CAO: 813
HAZARDOUS:

C

R: 34 S: 26 CE: 017-006-00-4
1l~1,050kg 1kg~0,952l
SPECIFICATIONS:

Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
185310.1211	1000 ml	6

Perchloroethylene

(see Tetrachloroethylene)

2H,3H-Perfluoropentane

(see 1,1,1,2,3,4,4,5,5,5-Decafluoropentane)

Periodic Acid (Reag. USP, Ph. Eur.) PA-ACS

H_5IO_6

M: 227,94 CAS: 10450-60-9 EINECS: 233-937-0 NC: 2811 19 80 UN: 3085
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518
HAZARDOUS:

O C

R: 8-34 S: 26-36/37/39-45
SPECIFICATIONS:

Assay (Iodom.) 99,0-101,0%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Residue on ignition (as SO_4) ..... 0,01 %
Chloride, chlorate, bromide and bromate (as Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Iodide (I) ..... 0,001 %
Heavy metals (as Pb) ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
132320.1606	25 g	6
132320.1608	100 g	6

Periodic Acid PA

H_5IO_6

M: 227,94 CAS: 10450-60-9 EINECS: 233-937-0 NC: 2811 19 80 UN: 3085
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518
HAZARDOUS:

O C

R: 8-34 S: 26-36/37/39-45
SPECIFICATIONS:

Minimum assay (Iodom.) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Residue on ignition (as SO_4) ..... 0,2 %
Chloride, chlorate, bromide and bromate (as Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,01 %
Iodide (I) ..... 0,001 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
122320.1606	25 g	6
122320.1608	100 g	6

Periodic Acid PRS

H_5IO_6

M: 227,94 CAS: 10450-60-9 EINECS: 233-937-0 NC: 2811 19 80 UN: 3085
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518
HAZARDOUS:

O C

R: 8-34 S: 26-36/37/39-45
SPECIFICATIONS:

Assay (Iodom.) ..... 98 %
Residue on ignition (as SO_4) ..... 0,5 %
Chloride, chlorate, bromide and bromate (as Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,05 %

Order code	Package	Units/Box st.
142320.1606	25 g	6
142320.1608	100 g	6

Periodic Acid, 99% PS

H_5IO_6

M: 227,94 CAS: 10450-60-9 EINECS: 233-937-0 NC: 2811 19 80 UN: 3085
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518
HAZARDOUS:

O C

R: 8-34 S: 26-36/37/39-45
SPECIFICATIONS:

Minimum assay (Iodom.) ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
152320.1606	25 g	6
152320.1608	100 g	6

Petroleum Benzine

(see Petroleum Ether)

cultimed

Productos de microbiología
Microbiological products
Produits pour la microbiologie

Petroleum Ether 25-40°C PRS

CAS: 64742-49-0 EINECS: 265-151-9 NC: 2710 11 25 UN: 1268
IMDG: 3/I ADR: 3/I IATA: 3/I PAX: 302 CAO: 303
HAZARDOUS:

F+ Xn N

R: 12-38-48/20-51/53-62-65-67
S: 16-23c-24-33-36/37-61-62 CE: 649-328-00-1

1l~0,63kg 1kg~1,59l

SPECIFICATIONS:

Boiling range ..... 25-40°C
Non-volatile matter ..... 0,003 %
Sulphur compounds (as CS_2) ..... 0,01 %
Aromatic hydrocarbons (U.V.)(as C_6H_6) ..... 0,01 %
Acidity ..... 0,001 meq/g
Water (H_2O) ..... 0,02 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
142698.1611	1000 ml	6
142698.0314	5 l	4

Petroleum Ether 30-40°C PRS

CAS: 64742-49-0 EINECS: 265-151-9 NC: 2710 11 25 UN: 1268
IMDG: 3/I ADR: 3/I IATA: 3/I PAX: 302 CAO: 303
HAZARDOUS:

F+ Xn N

R: 12-38-48/20-51/53-62-65-67
S: 16-23c-24-33-36/37-61-62 CE: 649-328-00-1

1l~0,63kg 1kg~1,59l

SPECIFICATIONS:

Boiling range ..... 30-40°C
Non-volatile matter ..... 0,003 %
Sulphur compounds (as CS_2) ..... 0,01 %
Aromatic hydrocarbons (U.V.)(as C_6H_6) ..... 0,01 %
Acidity ..... 0,001 meq/g
Water (H_2O) ..... 0,02 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
142699.1611	1000 ml	6
142699.0314	5 l	4

Petroleum Ether 30-50°C PRS

CAS: 64742-49-0 EINECS: 265-151-9 NC: 2710 11 25 UN: 1268
IMDG: 3/I ADR: 3/I IATA: 3/I PAX: 302 CAO: 303
HAZARDOUS:

F+ Xn N

R: 12-38-48/20-51/53-62-65-67
S: 16-23c-24-33-36/37-61-62 CE: 649-328-00-1

1l~0,63kg 1kg~1,58l

SPECIFICATIONS:

Boiling range ..... 30-50°C
Non-volatile matter ..... 0,003 %
Sulphur compounds (as CS_2) ..... 0,01 %
Aromatic hydrocarbons (U.V.)(as C_6H_6) ..... 0,015 %
Acidity ..... 0,001 meq/g
Water (H_2O) ..... 0,02 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
142700.1611	1000 ml	6
142700.0314	5 l	4
142700.0616	25 l	

Petroleum Ether 30-60°C PRS

CAS: 64742-49-0 EINECS: 265-151-9 NC: 2710 11 25 UN: 1268
IMDG: 3/I ADR: 3/I IATA: 3/I PAX: 302 CAO: 303
HAZARDOUS:

F+ Xn N

R: 12-38-48/20-51/53-62-65-67
S: 16-23c-24-33-36/37-61-62 CE: 649-328-00-1

1l~0,640kg 1kg~1,562l

SPECIFICATIONS:

Boliling range ..... 30-60°C
Non-volatile matter ..... 0,003 %
Sulphur compounds (as CS_2) ..... 0,01 %
Aromatic hydrocarbons (U.V.) (as C_6H_6) ..... 0,05 %
Acidity ..... 0,001 meq/g
Water (H_2O) ..... 0,02 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
143607.1611	1000 ml	6

Petroleum Ether 40-60°C (UV) PAI

CAS: 64742-49-0 EINECS: 265-151-9 NC: 2710 11 25 UN: 1268
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N

R: 11-38-48/20-51/53-62-65-67
S: 16-23c-24-33-36/37-61-62 CE: 649-328-00-1

1l~0,645kg 1kg~1,550l

SPECIFICATIONS:

Boiling range ..... 40-60°C
Density at 20/4 0,640-0,655

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,0005 %
Acidity ..... 0,0003 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,01 %
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	210 (Cut off)	220	230	240	250-400
A (AU)	1,000	0,301	0,097	0,046	0,009
T (%)	10	50	80	90	98

For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361315.1611	1000 ml	6
361315.1612	2,5 l	4

Petroleum Ether 40-60°C (PAR) PAI

CAS: 64742-49-0 EINECS: 265-151-9 NC: 2710 11 25 UN: 1268
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N

R: 11-38-48/20-51/53-62-65-67
S: 16-23c-24-33-36/37-61-62 CE: 649-328-00-1

1l~0,645kg 1kg~1,550l

SPECIFICATIONS:

Boiling range ..... 40-60°C
Density at 20/4 0,640-0,655

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,0005 %
Acidity ..... 0,0003 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,01 %
Signal ECD of pesticide (Lindane to DDT) (as Lindane) ..... 5 ng/l
Signal PND of pesticide (Ethylparathion to Coumaphos) (as Ethylparathion) ..... 5 ng/l

Order code	Package	Units/Box st.
321315.1611	1000 ml	6
321315.1612	2,5 l	4
321315.1646	4 l	4

Petroleum Ether 40-60°C dry (max. 0,005% water) DS-ACS-ISO

CAS: 64742-49-0 EINECS: 265-151-9 NC: 2710 11 25 UN: 1268
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N

R: 11-38-48/20-51/53-62-65-67
S: 16-23c-24-33-36/37-61-62 CE: 649-328-00-1

1l~0,645kg 1kg~1,550l

SPECIFICATIONS:

Boiling range ..... 40-60°C
Density at 20/4 0,640-0,655

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Sulphur compounds (as CS_2) ..... 0,005 %
Aromatic hydrocarbons (UV)(as C_6H_6) ..... 0,025 %
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,005 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
481315.1611	1000 ml	6

Petroleum Ether 40-60°C PA-ACS-ISO

CAS: 64742-49-0 EINECS: 265-151-9 NC: 2710 11 25 UN: 1268
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

R: 11-38-48/20-51/53-62-65-67
S: 16-23c-24-33-36/37-61-62 CE: 649-328-00-1

1l~0,645kg 1kg~1,550l

SPECIFICATIONS:

Boiling range ..... 40-60°C
Density at 20/4 0,640-0,655

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Sulphur compounds (as CS_2) ..... 0,005 %
Aromatic hydrocarbons (UV)(as C_6H_6) ..... 0,025 %
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,015 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131315.1611	1000 ml	6
131315.1612	2,5 l	4
131315.0314	5 l	4
131315.0316	25 l	

Petroleum Ether 40-60°C PA

for extraction of fats for the determination of insoluble impurities in oils and fats according to UNE 663

CAS: 64742-49-0 EINECS: 265-151-9 NC: 2710 11 25 UN: 1268
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

R: 11-38-48/20-51/53-62-65-67
S: 16-23c-24-33-36/37-61-62 CE: 649-328-00-1

1l~0,645kg 1kg~1,550l

SPECIFICATIONS:

Boiling range ..... 40-60°C
Density at 20/4 0,640-0,655

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Sulphur compounds (as CS_2) ..... 0,005 %
Aromatic hydrocarbons (UV) (C_6H_6) ..... 0,025 %
Peroxides ..... 0,0001 %
Bromine index 1
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,015 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
121315.1611	1000 ml	6
121315.1612	2,5 l	4

Petroleum Ether 40-60°C PRS

CAS: 64742-49-0 EINECS: 265-151-9 NC: 2710 11 25 UN: 1268
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

R: 11-38-48/20-51/53-62-65-67
S: 16-23c-24-33-36/37-61-62 CE: 649-328-00-1

1l~0,645kg 1kg~1,550l

SPECIFICATIONS:

Boiling range ..... 40-60°C
Density at 20/4 0,640-0,655
Non-volatile matter ..... 0,003 %
Sulphur compounds (as CS_2) ..... 0,01 %
Aromatic hydrocarbons (UV)(as C_6H_6) ..... 0,05 %
Acidity ..... 0,001 meq/g
Water (H_2O) ..... 0,02 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141315.1611	1000 ml	6
141315.1612	2,5 l	4
141315.0314	5 l	4
141315.0616	25 l	

Petroleum Ether 40-60°C PS

CAS: 64742-49-0 EINECS: 265-151-9 NC: 2710 11 25 UN: 1268
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

R: 11-38-48/20-51/53-62-65-67
S: 16-23c-24-33-36/37-61-62 CE: 649-328-00-1

1l~0,645kg 1kg~1,550l

SPECIFICATIONS:

Boiling range ..... 40-60°C
Density at 20/4 0,640-0,655
Non-volatile matter ..... 0,002 %
Water (H_2O) ..... 0,02 %

Order code	Package	Units/Box st.
161315.1611	1000 ml	6
161315.1612	2,5 l	4
161315.1714	5 l	4
161315.0616	25 l	
161315.0619	200 l	

Petroleum Ether 50-70°C PA

CAS: 64742-49-0 EINECS: 265-151-9 NC: 2710 11 25 UN: 1268
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

R: 11-38-48/20-51/53-62-65-67
S: 16-23c-24-33-36/37-61-62 CE: 649-328-00-1

1l~0,66kg 1kg~1,51l

SPECIFICATIONS:

Boiling range ..... 50-70°C

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Sulphur compounds (as CS_2) ..... 0,005 %
Aromatic hydrocarbons (U.V.)(as C_6H_6) ..... 0,03 %
Acidity ..... 0,0003 meq/g
Water (H_2O) ..... 0,015 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
121862.1611	1000 ml	6
121862.1612	2,5 l	4
121862.0314	5 l	4
121862.0316	25 l	

Petroleum Ether 50-70°C PRS

CAS: 64742-49-0 EINECS: 265-151-9 NC: 2710 11 25 UN: 1268
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N

R: 11-38-48/20-51/53-62-65-67
S: 16-23c-24-33-36/37-61-62 CE: 649-328-00-1

1l~0,66kg 1kg~1,51l

SPECIFICATIONS:

Boiling range	50-70°C
Non-volatile matter	0,003 %
Sulphur compounds (as CS_2)	0,01 %
Aromatic hydrocarbons (U.V.)(as C_6H_6)	0,075 %
Acidity	0,001 meq/g
Water (H_2O)	0,02 %
Cu	0,00002 %
Fe	0,00005 %
Ni	0,00002 %
Pb	0,00002 %

Order code	Package	Units/Box st.
141862.1611	1000 ml	6
141862.1612	2,5 l	4
141862.0314	5 l	4
141862.0616	25 l	

Petroleum Ether 60-80°C PA

CAS: 64742-49-0 EINECS: 265-151-9 NC: 2710 11 25 UN: 1268
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N

R: 11-38-48/20-51/53-62-65-67
S: 16-23c-24-33-36/37-61-62 CE: 649-328-00-1

1l~0,67kg 1kg~1,49l

SPECIFICATIONS:

Boiling range	60-80°C

MAXIMUM LIMIT OF IMPURITIES

APHA colour	10
Non-volatile matter	0,001 %
Sulphur compounds (as CS_2)	0,005 %
Aromatic hydrocarbons (U.V.)(as C_6H_6)	0,05 %
Acidity	0,0003 meq/g
Water (H_2O)	0,015 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
122701.1611	1000 ml	6
122701.0314	5 l	4
122701.0316	25 l	

Petroleum Ether 60-80°C PRS

CAS: 64742-49-0 EINECS: 265-151-9 NC: 2710 11 25 UN: 1268
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N

R: 11-38-48/20-51/53-62-65-67
S: 16-23c-24-33-36/37-61-62 CE: 649-328-00-1

1l~0,67kg 1kg~1,49l

SPECIFICATIONS:

Boiling range	60-80°C
Non-volatile matter	0,003 %
Sulphur compounds (as CS_2)	0,01 %
Aromatic hydrocarbons (U.V.)(as C_6H_6)	0,1 %
Acidity	0,001 meq/g
Water (H_2O)	0,02 %
Cu	0,00002 %
Fe	0,00005 %
Ni	0,00002 %
Pb	0,00002 %

Order code	Package	Units/Box st.
142701.1611	1000 ml	6
142701.0314	5 l	4
142701.0616	25 l	

Petroleum Ether 65-95°C PA

CAS: 64742-49-0 EINECS: 265-151-9 NC: 2710 11 25 UN: 1268
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N

R: 11-38-48/20-51/53-62-65-67
S: 16-23c-24-33-36/37-61-62 CE: 649-328-00-1

1l~0,68kg 1kg~1,47l

SPECIFICATIONS:

Boiling range	60-95°C

MAXIMUM LIMIT OF IMPURITIES

APHA colour	10
Non-volatile matter	0,001 %
Sulphur compounds (as CS_2)	0,005 %
Aromatic hydrocarbons (U.V.)(as C_6H_6)	0,1 %
Acidity	0,0003 meq/g
Water (H_2O)	0,015 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
122702.1611	1000 ml	6
122702.0314	5 l	4

Petroleum Ether 65-95°C PRS

CAS: 64742-49-0 EINECS: 265-151-9 NC: 2710 11 25 UN: 1268
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn N

R: 11-38-48/20-51/53-62-65-67
S: 16-23c-24-33-36/37-61-62 CE: 649-328-00-1

1l~0,68kg 1kg~1,47l

SPECIFICATIONS:

Boiling range	60-95°C
Non-volatile matter	0,003 %
Sulphur compounds (as S_2C)	0,01 %
Aromatic hydrocarbons (U.V.)(as C_6H_6)	0,2 %
Acidity	0,001 meq/g
Water (H_2O)	0,02 %
Cu	0,00002 %
Fe	0,00005 %
Ni	0,00002 %
Pb	0,00002 %

Order code	Package	Units/Box st.
142702.1611	1000 ml	6
142702.0314	5 l	4
142702.0616	25 l	

Petroleum Ether 100-120°C PA

CAS: 64742-49-0 EINECS: 265-151-9 NC: 2710 11 25 UN: 1268
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn N
R: 11-38-48/20-51/53-62-65-67
S: 16-23c-24-33-36/37-61-62 CE: 649-328-00-1
1l~0,694kg 1kg~1,441l
SPECIFICATIONS:
Boiling range ..... 100-120°C
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,001 %
Sulphur compounds (as CS_2) ..... 0,005 %
Aromatic hydrocarbons (UV)(as C_6H_6) ..... 0,1 %
Acidity ..... 0,0003 meq/g
Water ..... 0,015 %
Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
124809.1611	1000 ml	6
124809.1612	2,5 l	4

Petroleum Ether 190-250°C-Kerosene for analysis PA

CAS: 64742-49-0 EINECS: 265-151-9 NC: 2710 11 25 UN: 1268
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
F Xn N
R: 11-38-48/20-51/53-62-65-67
S: 16-23c-24-33-36/37-61-62 CE: 649-328-00-1
1l~0,797kg 1kg~1,254l
SPECIFICATIONS:
Boiling range ..... 190-250°C
Refractive index n 20/D 1,437-1,438
MAXIMUM LIMIT OF IMPURITIES
Residue on ignition (as SO_4) ..... 0,001 %
Darkened substances by H_2SO_4 ..... p/t.
Water (H_2O) ..... 0,01 %

Order code	Package	Units/Box st.
125286.1612	2,5 l	4
125286.0314	5 l	4

Petroleum Ether 190-250°C QP

CAS: 64742-49-0 EINECS: 265-151-9 NC: 2710 11 25 UN: 1268
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
F Xn N
R: 11-38-48/20-51/53-62-65-67
S: 16-23c-24-33-36/37-61-62 CE: 649-328-00-1
1l~0,797kg 1kg~1,254l
SPECIFICATIONS:
Boiling range ..... 190-250°C

Order code	Package	Units/Box st.
215286.1611	1000 ml	6
215286.0314	5 l	4
215286.0316	25 l	

pH

(see pH Indicators)

pH Buffers

(see Buffers for calibration of pH-meters)

1,10-Phenanthroline 1-hydrate PA-ACS

redox indicator
$C_{12}H_8N_2.H_2O$
M: 198,23 CAS: 5144-89-8 EINECS: 200-629-2 NC: 2933 99 90 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911
HAZARDOUS:
T N
R: 25-50/53 S: 45-60-61 CE: 613-092-00-8
SPECIFICATIONS:
Minimum assay (Perchl. Ac.) ..... 99,0 %
Identity ..... IR p/t.
Melting range (anhydrous basis) ..... 117-119°C
MAXIMUM LIMIT OF IMPURITIES
Residue on ignition (as SO_4) ..... 0,1 %
Suitability as redox indicator ..... p/t.
Sensitivity to Fe ..... p/t.
Cu ..... 0,002 %
Fe ..... 0,001 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
131321.1604	5 g	6
131321.1606	25 g	6

Phenic Acid

(see Phenol)

Phenol PA-ACS

C_6H_6O
M: 94,11 CAS: 108-95-2 EINECS: 203-632-7 NC: 2907 11 00 UN: 1671
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T C
R: 23/24/25-34-48/20/21/22-68 S: 24/25-26-28a-36/37/39-45
CE: 604-001-00-2
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Freezing point (a.d.s.) ..... ≥40,5°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Non-volatile matter ..... 0,01 %
o-Cresol (G.C.) ..... 0,05 %
m-Cresol (G.C.) ..... 0,05 %
p-Cresol (G.C.) ..... 0,05 %
Acidity (as HCl) ..... 0,0015 %
Alkalinity (as NaOH) ..... 0,0016 %
Water (H_2O) ..... 0,2 %
Chloride (Cl) ..... 0,0005 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

Order code	Package	Units/Box st.
131322.1610	500 g	6
131322.1611	1000 g	6
131322.1214	5 kg	4
131322.0716	25 kg	

PRS-CODEX

Productos que satisfacen las especificaciones definidas por las farmacopeas, indicadas en la etiqueta del producto
Chemicals according to specifications defined by pharmacopoeias, specified on the label
Produits répondant aux spécifications selon pharmacopée indiquée

Phenol crystallized (detached crystals) PA-ACS

C_6H_6O

M: 94,11 CAS: 108-95-2 EINECS: 203-632-7 NC: 2907 11 00 UN: 1671
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T C **R: 23/24/25-34-48/20/21/22-68 S: 24/25-26-28a-36/37/39-45**
CE: 604-001-00-2
SPECIFICATIONS:

Minimum assay (G.C.)	99,5 %
Identity	IR p/t.
Freezing point (a.d.s.)	≥40,5°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O	p/t.
Non-volatile matter	0,01 %
o-Cresol (G.C.)	0,05 %
m-Cresol (G.C.)	0,05 %
p-Cresol (G.C.)	0,05 %
Water (H_2O)	0,2 %
Chloride (Cl)	0,0005 %
Ca	0,00005 %
Cd	0,000005 %
Co	0,000002 %
Cr	0,000005 %
Fe	0,00005 %
Mg	0,00001 %
Mn	0,000002 %
Ni	0,000002 %
Pb	0,00001 %
Zn	0,00005 %

Order code	Package	Units/Box st.
134852.1209	250 g P	6
134852.1211	1000 g P	6
134852.0914	5 kg PP	

Phenol crystallized (detached crystals) (RFE, USP, BP, Ph. Eur.) PRS-CODEX

C_6H_6O

M: 94,11 CAS: 108-95-2 EINECS: 203-632-7 NC: 2907 11 00 UN: 1671
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T C **R: 23/24/25-34-48/20/21/22-68 S: 24/25-26-28a-36/37/39-45**
CE: 604-001-00-2
SPECIFICATIONS:

Assay (C_6H_6O)	99,0-100,5%
Identity according to Pharmacopoeias	p/t.
Freezing point (a.d.s.)	≥39,5°C

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution	p/t.
Insoluble matter in H_2O	p/t.
Non-volatile matter	0,05 %
o-Cresol (G.C.)	0,1 %
m-Cresol (G.C.)	0,1 %
p-Cresol (G.C.)	0,1 %
Residual solvents (Ph.Eur./USP)	p/t.
Acidity	p/t.
Water (H_2O)	0,5 %
Chloride (Cl)	0,005 %
Fe	0,00005 %
Ni	0,00002 %
Pb	0,00002 %

Complies USP 29 specifications

Order code	Package	Units/Box st.
144852.1211	1000 g P	6
144852.0914	5 kg PP	
144852.0716	25 kg P	

Phenol crystallized, 99% (detached crystals) PS

C_6H_6O

M: 94,11 CAS: 108-95-2 EINECS: 203-632-7 NC: 2907 11 00 UN: 1671
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T C **R: 23/24/25-34-48/20/21/22-68 S: 24/25-26-28a-36/37/39-45**
CE: 604-001-00-2
SPECIFICATIONS:

Minimum assay (G.C.)	99 %
Identity	IR p/t.
Freezing point (a.d.s.)	≥40,5°C
Water (H_2O)	0,2 %

Order code	Package	Units/Box st.
164852.1210	500 g P	6
164852.1211	1000 g P	6
164852.0914	5 kg PP	

Phenol 90% aqueous solution (USP) PRS-CODEX

C_6H_5OH

M: 94,11 CAS: 108-95-2 EINECS: 203-632-7 NC: 2907 11 00 UN: 2821
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:

T **R: 23/24/25-48/20/21/22-34-68 S: 24/25-26-28a-36/37/39-45**
CE: 604-001-00-2
1l~1,07kg 1kg~0,93l
SPECIFICATIONS:

Minimum assay (C_6H_6O)	89,0 %
Identity according to Pharmacopoeias	p/t.
Distillation point	<182,5 °C

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution	p/t.
Insoluble matter in H_2O	0,01 %
Non-volatile matter	0,05 %
o-Cresol (G.C.)	0,1 %
m-Cresol (G.C.)	0,1 %
p-Cresol (G.C.)	0,1 %
Water (H_2O) (w/w)	10 %
Residual solvents (Ph.Eur./USP)	p/t.
Acidity	p/t.
Chloride (Cl)	0,005 %
Cu	0,00002 %
Fe	0,00005 %
Ni	0,00002 %
Pb	0,00002 %

Complies USP 29 specifications

Order code	Package	Units/Box st.
141323.1611	1000 ml	6
141323.1214	5 l P	4
141323.0716	25 l P	

Phenol-1,2-Dichlorobenzene 50:50 w/w PA

for determination of the viscosity of polymers, according to ISO 1628

NC: 3822 00 00 UN: 2810
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:

T N **R: 24/25-34-36/37/38-50/53 S: 28b-45-60-61**
1l~1,180kg 1kg~0,847l
SPECIFICATIONS:

Assay (as Phenol)	49,5-50,5 %
Assay (as 1,2-Dichlorobenzene)	49,5-50,5 %
Density at 25/4	1,172-1,174

MAXIMUM LIMIT OF IMPURITIES

Water (H_2O)	0,02 %

Order code	Package	Units/Box st.
125574.1611	1000 ml	6

Phenolphthalein (Reag. Ph. Eur.) PA-ACS

$C_{20}H_{14}O_4$

M: 318,33 CAS: 77-09-8 EINECS: 201-004-7 NC: 2932 29 10
SPECIFICATIONS:

Minimum assay (HPLC)	99,0 %
Identity	IR p/t.
Melting range	258-263°C
T.L.C	p/t.

MAXIMUM LIMIT OF IMPURITIES

pH transition interval:

colourless	8,0
red-violet	10,0
Transition interval acc. to ACS	p/t.
Insoluble matter in C_2H_5OH	p/t.
Loss on drying at 105°C	1,0 %
Residue on ignition (as SO_4)	0,1 %
As	0,0002 %
Cu	0,0005 %
Fe	0,005 %
Ni	0,0005 %
Pb	0,0005 %

Order code	Package	Units/Box st.
131325.1208	100 g P	6
131325.1210	500 g P	6
131325.0914	5 kg PP	
131325.0416	25 kg PP	

Phenolphthalein (BP, Ph. Eur.) PRS-CODEX

$C_{20}H_{14}O_4$

M: 318,33 CAS: 77-09-8 EINECS: 201-004-7 NC: 2932 29 10

SPECIFICATIONS:

Assay (HPLC) calc. a.d.s 98,0-101,0%
Assay (Iodom.) calc. a.d.s. ..... 98,0-101,0 %
Identity according to Pharmacopoeias ..... p/t.
Melting range ..... 258-263°C

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Colour of solution ..... p/t.
Insoluble matter in C_2H_5OH ..... p/t.
Acidity or alkalinity ..... p/t.
Loss on drying at 105°C ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Cromatography impurities (HPLC) ..... p/t.
Related substances (T.L.C.) ..... 0,5 %
Fluorane ..... p/t.
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,02 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0002 %
Cu ..... 0,001 %
Fe ..... 0,01 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141325.1208	100 g	6
141325.1210	500 g	6
141325.0914	5 kg	
141325.0416	25 kg	

PHENOLPHTHALEIN SOLUTIONS

Phenolphthalein solution 0,2% RV

pH indicator 8,0 colourless; 10,0 red violet

$C_{20}H_{14}O_4$

M: 318,33 NC: 3822 00 00 UN: 1993

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

F

R: 10 S: 16

1l~0,918kg 1kg~1,089l

SPECIFICATIONS:

pH transition interval:
colourless 8,0
red-violet 10,0

Order code	Package	Units/Box st.
281326.1208	100 ml	6

Phenolphthalein solution 1% RV

pH indicator 8,0 colourless; 10,0 red violet

$C_{20}H_{14}O_4$

M: 318,33 NC: 3822 00 00 UN: 1993

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

F

R: 10 S: 16

1l~0,903kg 1kg~1,107l

SPECIFICATIONS:

pH transition interval:
colourless 8,0
red-violet 10,0

Order code	Package	Units/Box st.
281327.1209	250 ml	6
281327.1211	1000 ml	6

Phenolphthalein solution 1% VINIKIT

for determination of total acidity in wine and oils. pH indicator 8,0 colourless; 10,0 red violet

$C_{20}H_{14}O_4$

M: 318,33 NC: 3822 00 00 UN: 1993

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

F

R: 10 S: 16

1l~0,903kg 1kg~1,107l

SPECIFICATIONS:

pH transition interval:
colourless 8,0
red-violet 10,0

Order code	Package	Units/Box st.
621327.1209	250 ml	6
621327.1211	1000 ml	6

Phenol Red PA-ACS

pH indicator 6,8 yellow; 8,2 red

$C_{19}H_{14}O_5S$

M: 354,38 CAS: 143-74-8 EINECS: 205-609-7 NC: 2932 29 85

SPECIFICATIONS:

Identity ..... IR p/t.
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Transition interval according to ACS:
yellow 6,8
red 8,2
Insoluble matter in C_2H_5OH ..... p/t.
Loss on drying at 105°C ..... 5 %

Order code	Package	Units/Box st.
131615.1604	5 g	6
131615.1605	10 g	6
131615.1607	50 g	6

Phenol Red solution 0,02% RV

pH indicator 6,8 yellow; 8,2 red

$C_{19}H_{14}O_5S$

M: 354,38 CAS: 143-74-8 NC: 3822 00 00

1l~0,979kg 1kg~1,021l

Composition:
Phenol Red ..... 0,02 g
Sodium Hydroxide 0,1 mol/l ..... 0,6 ml
Ethanol absolute ..... 17 ml
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
281616.1208	100 ml	6

Phenol Red Sodium Salt PA-ACS

pH indicator 6,8 yellow 8,2 red

$C_{19}H_{13}NaO_5S$

M: 376,36 CAS: 34487-61-1 EINECS: 252-057-8 NC: 2932 29 85

SPECIFICATIONS:

Identity ..... IR p/t.
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

pH transition interval:
yellow 6,8
red 8,2
Transition interval according to ACS ..... p/t.
Insoluble matter in H_2O ..... p/t.
Loss on drying at 110°C ..... 5 %

Order code	Package	Units/Box st.
133331.1604	5 g	6

Phenol-1,1,2,2-Tetrachloroethane 60:40 w/w PA

for determination of the viscosity of polymers, according to ASTM D 4603, ISO 1628

NC: 3822 00 00 UN: 2810

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611

HAZARDOUS:

T+ N

R: 26/27/28-34-51-53 S: 28f-38-45-61

1l~1,234kg 1kg~0,810l

SPECIFICATIONS:

Assay (as Phenol) ..... 58-62 %
Assay (as 1,1,2,2-Tetrachloroethane) ..... 38-42 %
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
125396.1612	2,5 l	4

2-Phenoxyethanol, 99% PS

$C_8H_{10}O_2$

M: 138,17 CAS: 122-99-6 EINECS: 204-589-7 NC: 2909 49 90

HAZARDOUS:

Xn

R: 22-36 S: 26 CE: 603-098-00-9

1l~1,110kg 1kg~0,901l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,109-1,111

Order code	Package	Units/Box st.
15A631.1611	1000 ml	6
15A631.1612	2,5 l	4
15A631.1214	5 l	4
15A631.0716	25 l	

N-Phenylacetamide

(see Acetanilide)

Phenylacetic Acid, 99% PS

$C_8H_8O_2$

M: 136,14 CAS: 103-82-2 EINECS: 203-148-6 NC: 2916 34 00

Minimum assay (G.C. as methyl ester) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 74-77°C

Order code	Package	Units/Box st.
15A680.1209	250 g	6
15A680.1211	1000 g	6

Phenylacetylene, 97% PS

C_8H_6

M: 102,14 CAS: 536-74-3 EINECS: 208-645-1 NC: 2902 90 90 UN: 3295
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn

R: 10-36/37-65 S: 26-36-62
1l~0,932kg 1kg~1,073l
SPECIFICATIONS:

Minimum assay (G.C.) ..... 97 %
Identity ..... IR p/t.
Water (H_2O) ..... 0,25 %

Order code	Package	Units/Box st.
15A794.1606	25 ml	6
15A794.1608	100 ml	6

L-Phenylalanine PB

$C_9H_{11}NO_2$

M: 165,19 CAS: 63-91-2 EINECS: 200-568-1 NC: 2922 50 00
SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99,0 %
Identity ..... IR p/t.
T.L.C ..... p/t.
Specific rotation $[\alpha]^{20}$/D c= 2 (in H_2O) ..... -33,0 to -34,7°
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,05 %
Loss on drying at 105°C ..... 0,2 %
Residue on ignition (as SO_4) ..... 0,05 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00015 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
372047.1206	25 g	6

L-Phenylalanine (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_9H_{11}NO_2$

M: 165,19 CAS: 63-91-2 EINECS: 200-568-1 NC: 2922 50 00
SPECIFICATIONS:

Assay (Perchl. Ac.) calc. a.d.s 98,5-101,0%
Identity according to Pharmacopoeias ..... p/t.
T.L.C ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=2 (in H_2O) (calc. a.d.s.) ..... -33,0 to-34,7°
pH of 1% solution 5,4-6,0
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in HCl 1 mol/l ..... p/t.
Loss on drying at 105°C ..... 0,3 %
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t
Chloride (Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,03 %
Ammonium (NH_4) ..... 0,02 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00015 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142047.1208	100 g	6
142047.0914	5 kg	

L-Phenylalanine (F.C.C.) ADITIO

$C_9H_{11}NO_2$

M: 165,19 CAS: 63-91-2 EINECS: 200-568-1 NC: 2922 50 00
SPECIFICATIONS:

Assay (as $C_9H_{11}NO_2$) calc. a.d.s 98,5-101,5%
Lead, not more than ..... 5 ppm
Loss on drying, not more than ..... 0,2 %
Residue on ignition, not more than ..... 0,1 %
Specific rotation $[\alpha]^{20}$/D calc. on the dried basis ..... -33,2 to-35,2°
Specifications F.C.C. 6

Order code	Package	Units/Box st.
202047.0914	5 kg	

L-Phenylalanine, 99% PS

$C_9H_{11}NO_2$

M: 165,19 CAS: 63-91-2 EINECS: 200-568-1 NC: 2922 50 00

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
152047.1606	25 g	6
152047.1608	100 g	6

Phenylamine

(see Aniline)

4-(Phenylamino) Benzenesulphonic Acid Barium Salt PA

redox indicator
$C_{24}H_{20}BaN_2O_6S_2$

M: 633,90 CAS: 6211-24-1 EINECS: 228-278-0 NC: 2921 44 00 UN: 1564
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn

R: 20/22 S: 28a CE: 056-002-00-7
SPECIFICATIONS:

Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 105°C ..... 1 %
Sensitivity as indicator ..... p/t.

Order code	Package	Units/Box st.
122353.1604	5 g	6

4-(Phenylamino) Benzenesulphonic Acid Sodium Salt PA-ACS

redox indicator
$C_{12}H_{10}NNaO_3S$

M: 271,27 CAS: 6152-67-6 EINECS: 228-165-6 NC: 2921 45 00
SPECIFICATIONS:

Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Sensitivity as indicator ..... p/t.

Order code	Package	Units/Box st.
132845.1605	10 g	6
132845.1606	25 g	6

N-Phenylaniline

(see Diphenylamine)

Phenylarsine Oxide, 95% PS

C_6H_5AsO

M: 168,03 CAS: 637-03-6 EINECS: 211-275-3 NC: 2931 00 95 UN: 3465
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T N

R: 23/25-50/53 S: 20/21-28a-45-60-61 CE: 033-002-00-5
SPECIFICATIONS:

Minimum assay ..... 95 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A795.1604	5 g	6

Phenylarsonic Acid, 97% PS

$C_6H_7AsO_3$

M: 202,04 CAS: 98-05-5 EINECS: 202-631-9 NC: 2931 00 95 UN: 3465
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T N

R: 23/25-50/53 S: 20/21-28a-45-60-61
SPECIFICATIONS:

Assay ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B159.1206	25 g	6
15B159.1208	100 g	6

1-[4-(Phenylazo) Phenylazo]-2-Naphthol
(see Sudan III)

Phenylbenzene
(see Biphenyl)

4-Phenylbenzophenone
(see 4-Benzoylbiphenyl)

Phenyl Bromide
(see Bromobenzene)

2-Phenylbutyric Acid, 98% PS
$C_{10}H_{12}O_2$
M: 164,21 CAS: 90-27-7 EINECS: 201-982-5 NC: 2916 39 00
HAZARDOUS:
Xn
R: 22 S: 22-36
SPECIFICATIONS:
Minimum assay ..... 98 %
Identity ..... IR p/t.
Melting range ..... 39-42°C

Order code	Package	Units/Box st.
15A916.1608	100 g	6
15A916.1610	500 g	6

Phenylcyanide
(see Benzonitrile)

(1R, 2S)-2-Phenyl-1-Cyclohexanol
(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

(1S, 2R)-2-Phenyl-1-Cyclohexanol
(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

2-Phenylethyl Acetate, 98% PS
$C_{10}H_{12}O_2$
M: 164,20 CAS: 103-45-7 EINECS: 203-113-5 NC: 2915 39 80
1l~1,034kg 1kg~0,967l
SPECIFICATIONS:
Minimum assay ..... 98 %
Identity ..... IR p/t.
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
15A923.1609	250 ml	6

Phenylethylene
(see Styrene)

Phenyl Ethylketone
(see Propiophenone)

mono-Phenylglycol
(see 2-Phenoxyethanol)

Phenylhydrazine (Reag. USP) PA
$C_6H_8N_2$
M: 108,14 CAS: 100-63-0 EINECS: 202-873-5 NC: 2928 00 90 UN: 2572
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:
T N
R: 45-23/24/25-36/38-43-48/23/24/25-68-50 S: 53-45-61
CE: 612-023-00-9
1l~1,098kg 1kg~0,911l
SPECIFICATIONS:
Minimum assay (Perchl. Ac.) ..... 98,0 %
Identity ..... IR p/t.
Freezing point ..... >16°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in CH_3COOH ..... p/t.
Residue on ignition (as SO_4) ..... 0,1 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
122376.1609	250 ml	6

Phenylhydrazine, 98% PS
$C_6H_8N_2$
M: 108,14 CAS: 100-63-0 EINECS: 202-873-5 NC: 2928 00 90 UN: 2572
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:
T N
R: 45-23/24/25-36/38-43-48/23/24/25-68-50 S: 53-45-61
CE: 612-023-00-9
1l~1,098kg 1kg~0,911l
SPECIFICATIONS:
Minimum assay (Perchl. Ac.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,096-1,099

Order code	Package	Units/Box st.
162376.1608	100 ml	6
162376.1610	500 ml	6

2-Phenylhydrazinecarboxamide
(see 1-Phenylsemicarbazide)

Phenylhydrazinium Chlorhydrate
(see Phenylhydrazinium Chloride)

Phenylhydrazinium Chloride PA
$C_6H_5NHNH_2.HCl$
M: 144,61 CAS: 59-88-1 EINECS: 200-444-7 NC: 2928 00 90 UN: 2811
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T N
R: 45-23/24/25-36/38-43-48/23/24/25-68-50 S: 53-45-61
SPECIFICATIONS:
Minimum assay (Arg.) ..... 98,0 %
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,02 %
Residue on ignition (as SO_4) ..... 0,2 %
Sulphate (SO_4) ..... 0,01 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
122328.1608	100 g	6
122328.1609	250 g	6

Phenylmagnesium Bromide 1,2M in THF PS
C_6H_5BrMg
M: 181,31 CAS: 100-58-3 EINECS: 202-867-2 NC: 3824 90 98 UN: 3399
IMDG: 4.3/I ADR: 4.3/I IATA: 4.3/- PAX: P CAO: P
HAZARDOUS:
F C
R: 11-15-19-34-37 S: 7/8-26-36/37/39-45
SPECIFICATIONS:
Assay (as C_6H_5BrMg) ..... 1,0-1,2 M

Order code	Package	Units/Box st.
15B127.1608	100 ml	6
15B127.1610	500 ml	6

Phenylmercury Acetate (USP-NF, BP, Ph. Eur.) PRS-CODEX
$C_8H_8HgO_2$
M: 336,74 CAS: 62-38-4 EINECS: 200-532-5 NC: 2931 00 95 UN: 1674
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T N
R: 25-34-48/24/25-50/53 S: 23b-24/25-37-45-60-61
CE: 080-011-00-5
SPECIFICATIONS:
Assay (calc. a.d.s.) ..... 98,0-100,5 %
Identity according to Pharmacopoeias ..... p/t.
Melting range ..... 149-153°C
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Loss on drying ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,2 %
Polymercurated benzene compounds ..... 1,5 %
Mercuric salts and Heavy metals ..... p/t.
Ionised mercury ..... 0,2 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
142358.1608	100 g	6

Phenylmercury Nitrate (basic) (RFE, BP, Ph. Eur.) PRS-CODEX

$C_{12}H_{11}Hg_2NO_4$

M: 634,40 CAS: 8003-05-2 EINECS: 200-242-9 NC: 2931 00 95 UN: 1895
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T N **R: 25-34-48/24/25-50/53 S: 23c-24/25-37-45-60-61**
CE: 080-008-00-9
SPECIFICATIONS:
Assay (as Hg) calc. a.d.s ..... 62,5-64,0 %
Identity according to Pharmacopoeias ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Loss on drying ..... 1,0 %
Inorganic mercuric compounds ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t.

Order code	Package	Units/Box st.
145518.1608	100 g	6

2-Phenylphenol

(see 2-Hydroxybiphenyl)

Phenylphosphate Sodium Salt

(see di-Sodium Phenyl Phosphate 2-hydrate)

3-Phenyl-2-Propenal

(see Cinnamaldehyde)

1-Phenylsemicarbazide, 99% PS

$C_7H_9N_3O$

M: 151,17 CAS: 103-03-7 EINECS: 203-072-3 NC: 2928 00 90
HAZARDOUS:

Xn **R: 36/37/38-40 S: 26-36/37/39**
SPECIFICATIONS:
Minimum assay (HPLC) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 171-175°C

Order code	Package	Units/Box st.
15A608.1207	50 g	6
15A608.1209	250 g	6

2-(Phenylthio) Ethanol, 98% PS

$C_8H_{10}OS$

M: 154,23 CAS: 699-12-7 EINECS: 211-828-9 NC: 2930 90 85
HAZARDOUS:

Xi **R: 36 S: 23c-24/25**
1l~1,143kg 1kg~0,874l
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A110.1605	10 ml	6
15A110.1607	50 ml	6

pH INDICATORS

pH Indicator papers as reels (1 reel of 5 m x 10 mm in every box)

Universal Paper Reel pH 1-11 (gradation 1,0)

NC: 3822 00 00

Order code	Package	Units/Box st.
524150.1825	Box	6

Universal Paper Reel pH 1-14 (gradation 1,0/2,0)

NC: 3822 00 00

Order code	Package	Units/Box st.
524151.1825	Box	6

Special Paper Reel pH 5,5-9,0 (gradation 0,5)

NC: 3822 00 00

Order code	Package	Units/Box st.
524152.1825	Box	6

Special Paper Reel pH 3,8-5,8 (gradation 0,2/0,3)

NC: 3822 00 00

Order code	Package	Units/Box st.
524153.1825	Box	6

Special Paper Reel pH 0,5-5,5 (gradation 0,5)

NC: 3822 00 00

Order code	Package	Units/Box st.
524154.1825	Box	6

Special Paper Reel pH 9,0-13,0 (gradation 0,5)

NC: 3822 00 00

Order code	Package	Units/Box st.
524155.1825	Box	6

Tricolor Paper Reel pH 1-11 (gradation 1,0)

NC: 3822 00 00

Order code	Package	Units/Box st.
524169.1825	Box	6

pH indicator papers as strips with colour scale (box with 200 strips)

Strips pH 3,8-5,5 (gradation 0,2/0,3)

NC: 3822 00 00

Order code	Package	Units/Box st.
524156.1826	Box	6

Strips pH 6,0-8,1 (gradation 0,3)

NC: 3822 00 00

Order code	Package	Units/Box st.
524157.1826	Box	6

Strips pH 2,8-4,6 (gradation 0,2/0,3)

NC: 3822 00 00

Order code	Package	Units/Box st.
524158.1826	Box	6

Strips pH 1-12 (gradation 1,0)

NC: 3822 00 00

Order code	Package	Units/Box st.
524159.1826	Box	6

Strips pH 5,2-6,8 (gradation 0,2/0,3)

NC: 3822 00 00

Order code	Package	Units/Box st.
524160.1826	Box	6

Strips pH 1,8-3,8 (gradation 0,2/0,3)

NC: 3822 00 00

Order code	Package	Units/Box st.
524161.1826	Box	6

Strips pH 7,2-8,8 (gradation 0,2/0,3)

NC: 3822 00 00

Order code	Package	Units/Box st.
524162.1826	Box	6

Strips pH 9,5-12,0 (gradation 0,5)

NC: 3822 00 00

Order code	Package	Units/Box st.
524163.1826	Box	6

pH indicator papers sticks (non bleeding) (box with 100 strips)

Non bleeding sticks pH 0-14 (gradation 1,0)

NC: 3822 00 00

Order code	Package	Units/Box st.
524164.1826	Box	6

Non bleeding sticks pH 4,5-10,0 (gradation 0,5)

NC: 3822 00 00

Order code	Package	Units/Box st.
524165.1826	Box	6

Non bleeding sticks pH 3,6-6,1 (gradation 0,3/0,5)

NC: 3822 00 00

Order code	Package	Units/Box st.
524166.1826	Box	6

Non bleeding sticks pH 0,0-6,0 (gradation 0,5)

NC: 3822 00 00

Order code	Package	Units/Box st.
524167.1826	Box	6

Non bleeding sticks pH 7,0-14,0 (gradation 0,5)

NC: 3822 00 00

Order code	Package	Units/Box st.
524168.1826	Box	6

Universal Indicator of pH, solution RV

COLOUR RANGE ZONE: pH 1,0 red sherry; pH 2,0 pink; pH 3,0 red orange; pH 4,0 orange red; pH 5,0 orange; pH 6,0 yellow; pH 7,0 yellow green; pH 8,0 green; pH 9,0 green bluish; pH 10,0 blue

NC: 3822 00 00 UN: 1993

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F

R: 11 S: 7-16

1l~0,800kg 1kg~1,250l

Composition:

p-Dimethylaminoazobenzene	60 mg
Methyl Red	40 mg
Bromothymol Blue	80 mg
Thymol Blue	100 mg
Phenolphthalein	20 mg
Sodium Hydroxide 1 mol/l	0,45 ml
Water	4 ml
Ethanol absolute	100 ml

Order code	Package	Units/Box st.
281370.1208	100 ml	6

Phloxine B (C.I. 45410) DC

for microscopy, bacteria staining, protozoos and seaweed, recount of eosinophils

$C_{20}H_2Br_4Cl_4Na_2O_5$

M: 829,64 CAS: 18472-87-2 EINECS: 242-355-6 NC: 3204 12 00

SPECIFICATIONS:

Identity	IR p/t.
λ of max. ABS in C_2H_5OH 50%	546-550 nm
A 1%, 1 cm, λmáx	>750
Ratio λmax. P±15 nm	1,38-2,24
T.L.C	p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C	10 %

Order code	Package	Units/Box st.
252081.1604	5 g	6
252081.1606	25 g	6

PHOSPHATE SOLUTION

(see Standards for Ionic Chromatography)

Phosphomolybdic Acid x-hydrate PA-ACS

$H_3[P(Mo_3O_{10})_4].xH_2O$

M: 1825,25 (anh.) CAS: 51429-74-4 EINECS: 234-713-5 NC: 2811 19 80 UN: 3260

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823

HAZARDOUS:

C

R: 34 S: 26-36/37/39-45

SPECIFICATIONS:

Identity	IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O	0,01 %
Nitrogen compounds (as N)	0,02 %
Chloride (Cl)	0,02 %
Sulphate (SO_4)	0,025 %
Ammonium (NH_4)	0,01 %
Heavy metals (as Pb)	0,005 %
Ca	0,02 %
Fe	0,002 %
K	0,05 %
Na	0,05 %
Pb	0,003 %

Order code	Package	Units/Box st.
131031.1606	25 g	6
131031.1608	100 g	6

Phosphonic Acid

(see Phosphorous Acid)

N-(Phosphonomethyl) Glycine, 95% PS

$C_3H_8NO_5P$

M: 169,07 CAS: 1071-83-6 EINECS: 213-997-4 NC: 2931 00 95 UN: 3077

IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

Xi N

R: 41-51/53 S: 26-39

SPECIFICATIONS:

Assay	95 %
Identity	IR p/t.

Order code	Package	Units/Box st.
15C098.1603	1 g	6
15C098.1604	5 g	6

ortho-Phosphoric Acid 85% PA-ACS-ISO

H_3PO_4

M: 98,00 CAS: 7664-38-2 EINECS: 231-633-2 NC: 2809 20 00 UN: 1805

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821

HAZARDOUS:

C

R: 34 S: 26-45 CE: 015-011-00-6

1l~1,70kg 1kg~0,59l

SPECIFICATIONS:

Minimum assay (Acidim.)	85,0 %

MAXIMUM LIMIT OF IMPURITIES

APHA colour	10
Insoluble matter in H_2O	0,001 %
Reducing substances to $KMnO_4$ (as O)	0,001 %
Suitability for COD determination	p/t.
Volatile acidity (as CH_3COOH)	0,001 %
Chloride (Cl)	0,0003 %
Nitrate (NO_3)	0,0005 %
Silicate (SiO_2)	0,025 %
Sulphate (SO_4)	0,003 %
Heavy metals (as Pb)	0,001 %
As	0,0001 %

Metals by ICP [mg/Kg (ppm)]

Ag	1	Fe	10	Pb	1
Al	5	Ga	1	Pt	5
Au	1	Ge	1	Sb	2
B	1	Hg	1	Si	5
Ba	5	In	5	Sn	1
Be	1	K	5	Sr	1
Bi	1	Li	5	Ti	1
Ca	10	Mg	10	Tl	1
Cd	1	Mn	0,5	V	1
Co	1	Mo	1	Zn	2
Cr	5	Na	250	Zr	1
Cu	1	Ni	1		

Order code	Package	Units/Box st.
131032.1211	1000 ml	6
131032.1212	2,5 l	4
131032.1214	5 l	4
131032.0716	25 l	

ortho-Phosphoric Acid 85% (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

H_3PO_4

M: 98,00 CAS: 7664-38-2 EINECS: 231-633-2 NC: 2809 20 00 UN: 1805

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821

HAZARDOUS:

C

R: 34 S: 26-45 CE: 015-011-00-6

1l~1,70kg 1kg~0,59l

SPECIFICATIONS:

Assay (Acidim.)	85,0-88,0 %
Identity according to Pharmacopoeias	p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution	p/t.
Residual solvents (Ph.Eur./USP)	p/t.
Precipit. substances by NH_4OH	p/t.
Hypophosphorous and phosphorous acid	p/t.
Chloride (Cl)	0,005 %
Alkaline phosphates	p/t.
Nitrate	p/t.
Sulphate (SO_4)	0,01 %
Heavy metals (as Pb)	0,001 %
As	0,0002 %
Ca	0,01 %
Cu	0,001 %
Fe	0,005 %
Mg	0,01 %
Ni	0,001 %
Pb	0,001 %

Complies USP 29 specifications

Order code	Package	Units/Box st.
141032.1211	1000 ml	6
141032.1212	2,5 l	4
141032.1214	5 l	4
141032.0716	25 l	
141032.0718	60 l	

ortho-Phosphoric Acid 85% (F.C.C.) ADITIO

H_3PO_4

M: 98,00 CAS: 7664-38-2 EINECS: 231-633-2 NC: 2809 20 00 UN: 1805
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:

C

R: 34 S: 26-45 CE: 015-011-00-6
1l~1,70kg 1kg~0,59l
SPECIFICATIONS:

Assay (Acidim.), not less than ..... 85 %
Arsenic (as As), not more than ..... 3 ppm
Fluoride, not more than ..... 10 ppm
Chloride, not more than ..... 0,02 %
Nitrate (as $NaNO_3$), not more than ..... 5 ppm
Sulphate (as $CaSO_4$), not more than ..... 0,15 %
Heavy metals (as Pb), not more than ..... 5 ppm
Volatile acidity (as CH_3COOH), not more than ..... 10 ppm
Cadmium (Cd), not more than ..... 1 ppm
Lead (Pb), not more than ..... 3 ppm
Mercury (Hg), not more than ..... 1 ppm
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201032.1214	5 l	
201032.0716	25 l	

ortho-Phosphoric Acid 85% QP

H_3PO_4

M: 98,00 CAS: 7664-38-2 EINECS: 231-633-2 NC: 2809 20 00 UN: 1805
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:

C

R: 34 S: 26-45 CE: 015-011-00-6
1l~1,70kg 1kg~0,59l
SPECIFICATIONS:

Assay (Acidim.) ..... 84 %
Chloride (Cl) ..... 0,01 %
Nitrate (NO_3) ..... 0,01 %
Fe ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
211032.1214	5 l	
211032.0716	25 l	
211032.0718	60 l	

ortho-Phosphoric Acid 50% PA

H_3PO_4

M: 98,00 CAS: 7664-38-2 EINECS: 231-633-2 NC: 2809 20 00 UN: 1805
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:

C

R: 34 S: 26-45 CE: 015-011-00-6
1l~1,33kg 1kg~0,75l
SPECIFICATIONS:

Assay (Acidim.) ..... 50-51 %

MAXIMUM LIMIT OF IMPURITIES

Reducing substances to $KMnO_4$ (as O) ..... 0,001 %
Volatile acidity (as CH_3COOH) ..... 0,001 %
Chloride (Cl) ..... 0,0005 %
Nitrate (NO_3) ..... 0,0005 %
Silicate (as SiO_2) ..... 0,025 %
Sulphate (SO_4) ..... 0,006 %
As ..... 0,0001 %
Ca ..... 0,005 %
Cd ..... 0,0001 %
Co ..... 0,0001 %
Cr ..... 0,0001 %
Cu ..... 0,0001 %
Fe ..... 0,001 %
K ..... 0,0005 %
Mg ..... 0,001 %
Mn ..... 0,0001 %
Na ..... 0,05 %
Ni ..... 0,0001 %
Pb ..... 0,0001 %
Sb ..... 0,0002 %
Zn ..... 0,0002 %

Order code	Package	Units/Box st.
121660.1611	1000 ml	6
121660.1214	5 l	4

meta-Phosphoric Acid stabilized with $NaPO_3$ (Reag. Ph. Eur.) PA-ACS

$(HPO_3)_n$

M: (79,98)n CAS: 37267-86-0 EINECS: 253-433-4 NC: 2809 20 00 UN: 3260
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:

C

R: 34 S: 36/37/39-45
SPECIFICATIONS:

Assay (as HPO_3) ..... 33,5-36,5 %

MAXIMUM LIMIT OF IMPURITIES

Reducing substances by $KMnO_4$ (as H_3PO_3) ..... 0,01 %
Stabilizer ($NaPO_3$) ..... 57,0-63,0 %
Chloride (Cl) ..... 0,001 %
Nitrate (NO_3) ..... 0,001 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,005 %
As ..... 0,0001 %
Cd ..... 0,001 %
Co ..... 0,0005 %
Cu ..... 0,001 %
Fe ..... 0,005 %
Mn ..... 0,0005 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Zn ..... 0,001 %

Order code	Package	Units/Box st.
135324.1208	100 g	6
135324.1209	250 g	6
135324.1211	1000 g	6

Phosphoric Anhydride

(see di-Phosphorus penta-Oxide)

Phosphorous Acid PRS

H_3PO_3

M: 82,00 CAS: 13598-36-2 EINECS: 237-066-7 NC: 2811 19 80 UN: 2834
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:

C

R: 22-35 S: 26-36/37/39-45
SPECIFICATIONS:

Minimum assay ..... 98,5 %
Chloride (as HCl) ..... 0,005 %
Fe ..... 0,002 %

Order code	Package	Units/Box st.
143573.1209	250 g	6

Phosphorus red PRS

P

M: 30,97 CAS: 7723-14-0 EINECS: 231-768-7 NC: 2804 70 00 UN: 1338
IMDG: 4.1/III ADR: 4.1/III IATA: 4.1/III PAX: 422 CAO: 421
HAZARDOUS:

F

R: 11-16-52/53 S: 7-43f-61 CE: 015-002-00-7
SPECIFICATIONS:

Yellow Phosphorus ..... p/t.

Order code	Package	Units/Box st.
141329.1209	250 g	6
141329.0914	5 kg	

PHOSPHORUS SOLUTIONS

(see Standards for ICP)

Phosphorus tri-Bromide, 98% PS

PBr_3

M: 270,70 CAS: 7789-60-8 EINECS: 232-178-2 NC: 2812 10 18 UN: 1808
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: P CAO: 813
HAZARDOUS:

C

R: 14-34-37 S: 26-45 CE: 015-103-00-6
1l~2,880kg 1kg~0,347l
SPECIFICATIONS:

Minimum assay (Arg.) ..... 98 %
Density at 20/4 2,875-2,885

Order code	Package	Units/Box st.
15A801.1608	100 ml	6

di-Phosphorus penta-Oxide (Reag. Ph. Eur.) PA-ACS-ISO

P_2O_5

M: 141,94 CAS: 1314-56-3 EINECS: 215-236-1 NC: 2809 10 00 UN: 1807
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 815 CAO: 817
HAZARDOUS:

C

R: 35 S: 22-26-45 CE: 015-010-00-0

SPECIFICATIONS:
Minimum assay (Acidim.) ..... 98,0 %

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,02 %
Phosphorus(III) oxide (P_2O_3) ..... 0,02 %
Nitrogen compounds (as N) ..... 0,002 %
Heavy metals (as Pb) ..... 0,005 %
As ..... 0,005 %

Metals by ICP [mg/Kg (ppm)]

Al	5	Ga	5	Pt	5
Ba	5	Hg	10	Sb	5
Be	5	K	50	Si	5
Bi	5	Li	5	Sn	5
Ca	50	Mg	5	Sr	5
Cd	5	Mn	5	Ti	5
Co	5	Mo	5	Tl	5
Cr	5	Na	50	V	5
Cu	5	Ni	5	Zn	5
Fe	5	Pb	5	Zr	5

Order code	Package	Units/Box st.
131154.1208	100 g	6
131154.1210	500 g	6

di-Phosphorus penta-Oxide PRS

P_2O_5

M: 141,94 CAS: 1314-56-3 EINECS: 215-236-1 NC: 2809 10 00 UN: 1807
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 815 CAO: 817
HAZARDOUS:

C

R: 35 S: 22-26-45 CE: 015-010-00-0

SPECIFICATIONS:
Assay (Acidim.) ..... 98 %
Insoluble matter in H_2O ..... 0,05 %
Phosphorus(III) oxide (P_2O_3) ..... 0,05 %
Nitrogen compounds (as N) ..... 0,01 %
Cu ..... 0,005 %
Fe ..... 0,005 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
141154.1210	500 g	6
141154.1211	1000 g	6

di-Phosphorus penta-Oxide, 98% PS

P_2O_5

M: 141,94 CAS: 1314-56-3 EINECS: 215-236-1 NC: 2809 10 00 UN: 1807
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 815 CAO: 817
HAZARDOUS:

C

R: 35 S: 22-26-45 CE: 015-010-00-0

SPECIFICATIONS:
Assay (Acidim.) ..... 98 %

Order code	Package	Units/Box st.
151154.1208	100 g	6
151154.1210	500 g	6

Phosphorus Oxide Trichloride

(see Phosphoryl Chloride)

Phosphorus Oxychloride

(see Phosphoryl Chloride)

Phosphorus(V) Oxyde

(see di-Phosphorus penta-Oxide)

Phosphoryl Chloride, 99% PS

$POCl_3$

M: 153,33 CAS: 10025-87-3 EINECS: 233-046-7 NC: 2812 10 11 UN: 1810
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: P CAO: P
HAZARDOUS:

T+ C

R: 14-22-26-35-48/23 S: 7/8-26-36/37/39-45

CE: 015-009-00-5
1l~1,675kg 1kg~0,597l

SPECIFICATIONS:
Minimum assay (Arg.) ..... 99 %
Density at 20/4 1,673-1,677

Order code	Package	Units/Box st.
15A800.1611	1000 ml	6
15A800.1612	2,5 l	4
15A800.0816	25 l	

Phosphotungstic Acid hydrate PA

$H_3[P(W_3O_{10})_4].xH_2O$

M: 2880,17(anhyd) CAS: 12067-99-1 EINECS: 235-087-6 NC: 2811 19 80

SPECIFICATIONS:
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,01 %
Insoluble matter in C_2H_5OH ..... p/t.
Loss on drying at 800°C ..... 17 %
Nitrogen compounds (as N) ..... 0,002 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,02 %
Cd ..... 0,001 %
Co ..... 0,001 %
Cu ..... 0,001 %
Fe ..... 0,002 %
K ..... 0,03 %
Na ..... 0,03 %
Ni ..... 0,001 %
Pb ..... 0,002 %
Zn ..... 0,001 %

Order code	Package	Units/Box st.
121033.1606	25 g	6
121033.1608	100 g	6

Phosphowolframic Acid

(see Phosphotungstic Acid hydrate)

Phthalein Purple PA-ACS

for complexometry
$C_{32}H_{32}N_2O_{12}$

M: 636,62 CAS: 2411-89-4 EINECS: 219-318-8 NC: 2932 29 85

SPECIFICATIONS:
Identity ..... IR p/t.
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in CH_3OH ..... p/t.
Loss on drying at 135°C ..... 15 %
Residue on ignition (as SO_4) ..... 1,0 %
o-Cresolphthalein ..... p/t.
Suitability as a mixted indicator for complexometry according to ACS ..... p/t.

Order code	Package	Units/Box st.
132637.1603	1 g	6

Phthalic Acid, 99,5% PS

$C_8H_6O_4$

M: 166,13 CAS: 88-99-3 EINECS: 201-873-2 NC: 2917 20 00
HAZARDOUS:

Xi

R: 36/37/38

SPECIFICATIONS:
Minimum assay ..... 99,5 %

Order code	Package	Units/Box st.
15A330.1609	250 g	6
15A330.1611	1000 g	6

Phthalic Acid Diethyl Ester

(see Diethyl Phthalate)

Phthalic Acid Dimethyl Ester

(see Dimethyl Phthalate)

PA
PA-ACS-ISO

Reactivos para análisis
Analytical Reagents
Réactifs pour analyse

Phthalic Anhydride PA-ACS

$C_8H_4O_3$

M: 148,12 CAS: 85-44-9 EINECS: 201-607-5 NC: 2917 35 00 UN: 2214
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:

Xn **R: 22-37/38-41-42/43 S: 23a-24/25-26-37/39-46**
CE: 607-009-00-4
SPECIFICATIONS:
Assay (Morpholine meth.) 99,0-100,2%
Identity ..... IR p/t.
Melting range ..... 129-132°C
MAXIMUM LIMIT OF IMPURITIES
Residue on ignition (as SO_4) ..... 0,01 %
Sulphur compounds (as SO_4) ..... 0,003 %
Chloride (Cl) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
131155.1210	500 g	6
131155.1211	1000 g	6
131155.0914	5 kg	
131155.0416	25 kg	

Phthalic Anhydride, 98% PS

$C_8H_4O_3$

M: 148,12 CAS: 85-44-9 EINECS: 201-607-5 NC: 2917 35 00 UN: 2214
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:

Xn **R: 22-37/38-41-42/43 S: 23a-24/25-26-37/39-46**
CE: 607-009-00-4
SPECIFICATIONS:
Minimum assay (Morpholine met.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 129-132°C

Order code	Package	Units/Box st.
161155.1209	250 g	6
161155.1211	1000 g	6

Phthalide, 99% PS

$C_8H_6O_2$

M: 134,14 CAS: 87-41-2 EINECS: 201-744-0 NC: 2932 29 85
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 70-73°C

Order code	Package	Units/Box st.
15A802.1208	100 g	6

Phthalimide, 98% PS

$C_8H_5NO_2$

M: 147,13 CAS: 85-41-6 EINECS: 201-603-3 NC: 2925 19 95
SPECIFICATIONS:
Assay (Acidim.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 232-238°C

Order code	Package	Units/Box st.
151330.1208	100 g	6
151330.1211	1000 g	6

Phthalimide Potassium Salt, 98% PS

$C_8H_4KNO_2$

M: 185,23 CAS: 1074-82-4 EINECS: 214-046-6 NC: 2925 19 95
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15B018.1604	5 g	6
15B018.1608	100 g	6
15B018.1610	500 g	6

2-Picoline

(see 2-Methylpyridine)

Picric Acid moistened with ~33% of H_2O (Reag. Ph. Eur.) PRS

$C_6H_3N_3O_7$

M: 229,11 CAS: 88-89-1 EINECS: 201-865-9 NC: 2908 99 90 UN: 1344
IMDG: 4.1/I ADR: 4.1/I IATA: 4.1/I PAX: 416 CAO: 412
HAZARDOUS:

E T **R: 3-4-23/24/25 S: 28a-35-36/37-45 CE: 609-009-00-X**
SPECIFICATIONS:
Assay (Acidim.) ..... 98,0 %
Identity ..... IR p/t.
Melting range ..... 119-122°C
Insoluble and resinous matter ..... 0,1 %
Residue on ignition (as SO_4) ..... 0,1 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,5 %
(Analysis applied to the dry substance)

Order code	Package	Units/Box st.
141048.1609	250 g	6
141048.1610	500 g	6

Picric Acid, 98% moistened with ~33% of H_2O PS

$C_6H_3N_3O_7$

M: 229,11 CAS: 88-89-1 EINECS: 201-865-9 NC: 2908 99 90 UN: 1344
IMDG: 4.1/I ADR: 4.1/I IATA: 4.1/I PAX: 416 CAO: 412
HAZARDOUS:

E T **R: 3-4-23/24/25 S: 28a-35-36/37-45 CE: 609-009-00-X**
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.
(Analysis applied to the dry substance)

Order code	Package	Units/Box st.
151048.1608	100 g	6
151048.1610	500 g	6

Picric Acid saturated solution DC

for determination of alcohol and creatinine
$C_6H_3N_3O_7$

M: 229,11 CAS: 88-89-1 EINECS: 201-865-9 NC: 2908 99 90
1l~1,006kg 1kg~0,994l
SPECIFICATIONS:
Minimum assay (w/v) ..... 1,2 %

Order code	Package	Units/Box st.
251049.1610	500 ml	6

Pimelic Ketone

(see Cyclohexanone)

Piperazidine

(see Piperazine anhydrous)

Piperazine anhydrous, 98% PS

$C_4H_{10}N_2$

M: 86,14 CAS: 110-85-0 EINECS: 203-808-3 NC: 2933 59 95 UN: 2579
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:

Xn C **R: 34-42/43-62-63 S: 23a-26-36/37/39-45 CE: 612-057-00-4**
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 108-111°C

Order code	Package	Units/Box st.
15A849.1208	100 g	6
15A849.1210	500 g	6

Piperazine 6-hydrate PRS

$NHCH_2CH_2NHCH_2CH_2.6H_2O$

M: 194,23 CAS: 142-63-2 EINECS: 203-808-3 NC: 2933 59 95 UN: 2579
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:

Xn C **R: 34-42/43-62-63 S: 23a-26-36/37/39-45 CE: 612-057-00-4**
SPECIFICATIONS:
Assay (as N)(N deter.) ..... 13,9-14,6 %
Residue on ignition ..... 0,2 %
Amines and ammonia (as NH_3) ..... 0,7 %
Cu ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
141453.1210	500 g	6

Piperazine-1,4-Bis (2-Ethanesulphonic) Acid PB

$C_8H_{18}N_2O_6S_2$

M: 302,36 CAS: 5625-37-6 EINECS: 227-057-6 NC: 2933 59 95

SPECIFICATIONS:

Minimum assay ..... 99 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 0,5 %
ABS at λ250 nm of 2% sol. in NaOH 1 mol/l 0,05
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %

Order code	Package	Units/Box st.
375228.1206	25 g	6
375228.1208	100 g	6
375228.1209	250 g	6

Piperidine (Reag. Ph. Eur.) PA

$C_5H_{11}N$

M: 85,15 CAS: 110-89-4 EINECS: 203-813-0 NC: 2933 32 00 UN: 2401
IMDG: 8/I ADR: 8/I IATA: 8/I PAX: 807 CAO: 809

HAZARDOUS:

F T **R: 11-23/24-34 S: 16-26-27-45 CE: 613-027-00-3**

1l~0,863kg 1kg~1,159l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 20/4 0,861-0,864
Boiling range (>95% dist.) ..... 104-106°C

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter ..... 0,05 %
2-Methilpyridine (G.C.) ..... 0,1 %
Pyridine (G.C.) ..... 0,3 %
Water (H_2O) ..... 0,3 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,001 %
Cu ..... 0,0001 %
Fe ..... 0,0001 %
Ni ..... 0,0001 %
Pb ..... 0,0001 %

Order code	Package	Units/Box st.
122377.1608	100 ml	6
122377.1610	500 ml	6

Piperidine BS

for synthesis of peptides

$C_5H_{11}N$

M: 85,15 CAS: 110-89-4 EINECS: 203-813-0 NC: 2933 32 00 UN: 2401
IMDG: 8/I ADR: 8/I IATA: 8/I PAX: 807 CAO: 809

HAZARDOUS:

F T **R: 11-23/24-34 S: 16-26-27-45 CE: 613-027-00-3**

1l~0,863kg 1kg~1,159l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,861-0,864
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
732377.1611	1000 ml	6
732377.1612	2,5 l	4

Piperidine, 99% PS

$C_5H_{11}N$

M: 85,15 CAS: 110-89-4 EINECS: 203-813-0 NC: 2933 32 00 UN: 2401
IMDG: 8/I ADR: 8/I IATA: 8/I PAX: 807 CAO: 809

HAZARDOUS:

F T **R: 11-23/24-34 S: 16-26-27-45 CE: 613-027-00-3**

1l~0,863kg 1kg~1,159l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,861-0,864
Water (H_2O) ..... 0,3 %

Order code	Package	Units/Box st.
162377.1610	500 ml	6
162377.1611	1000 ml	6

4-Piperidinol

(see 4-Hydroxypiperidine)

(R)-2-Piperidino-1,1,2-Triphenylethanol

(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

(S)-2-Piperidino-1,1,2-Triphenylethanol

(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

PIPES

(see Piperazine-1,4-Bis (2-Ethanesulfonic) Acid)

PLATINUM SOLUTIONS

(see Standards for ICP)

Platinum(IV) Chloride anhydrous, 98% PS

$PtCl_4$

M: 336,90 CAS: 13454-96-1 EINECS: 236-645-1 NC: 2843 90 90 UN: 3260
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816

HAZARDOUS:

C **R: 22-34-43 S: 26-36/37/39-45**

SPECIFICATIONS:

Minimum assay ..... 98 %
Bottled under argon atmosphere.

Order code	Package	Units/Box st.
165306.1603	1 g	6

Platinum Dioxide

(see Platinum(IV) Oxide x-hydrate)

Platinum(IV) Oxide x-hydrate PS

$PtO_2.xH_2O$

M: 227,09(anh) CAS: 1314-15-4 EINECS: 215-223-0 NC: 2843 90 90 UN: 3085
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

O Xi **R: 8-38-43 S: 17-26-37/39**

SPECIFICATIONS:

Minimum assay (Pt) ..... 80,5 %

Order code	Package	Units/Box st.
15A853.1603	1 g	6
15A853.1604	5 g	6

Plumbic

(see Lead(IV) compounds)

Plumbous

(see Lead(II) compounds)

Polyanetholesulphonic Acid Sodium Salt PB

$(C_{10}H_{11}O_4S.Na)_n$

CAS: 55963-78-5 NC: 2909 30 90

HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

SPECIFICATIONS:

Identity ..... IR p/t.
pH of 1% solution in NaCl 0,85% 5,6-7,0

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition (as SO_4) calc. a.d.s. ..... 27,2-29,6 %
λ of max. ABS in H_2O 0,02 g/l ..... 283-285 nm
ABS of λ max. in H_2O 0,02 g/l 0,140-0,170
Ethanol ..... 0,2 %
Propanol ..... 0,005 %
Water (H_2O) ..... 8,0-15,0 %
Ca ..... 0,1 %

Order code	Package	Units/Box st.
376287.1206	25 g	6

Polyethylene Glycol 200 PS

$HO(C_2H_4O)_nH$

CAS: 25322-68-3 EINECS: 203-473-3 NC: 3907 20 11

1l~1,127kg 1kg~0,887l

SPECIFICATIONS:

Average molecular weight 190-210
Identity ..... IR p/t.
Density at 20/4 1,125-1,128
Hydroxyl value 535-590

Order code	Package	Units/Box st.
162434.1211	1000 ml	6
162434.1214	5 l	4
162434.0716	25 l	

Polyethylene Glycol 300 PS

$HO(C_2H_4O)_nH$

CAS: 25322-68-3 EINECS: 203-473-3 NC: 3907 20 11

1l~1,127kg 1kg~0,887l

SPECIFICATIONS:

Average molecular weight 285-315
Identity ..... IR p/t.
Density at 20/4 1,125-1,128
Hydroxyl value 356-394

Order code	Package	Units/Box st.
162435.1211	1000 ml	6
162435.1214	5 l	4
162435.0716	25 l	

Polyethylene Glycol 400 (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

$HO(C_2H_4O)_nH$

CAS: 25322-68-3 EINECS: 203-473-3 NC: 3907 20 11

1l~1,127kg 1kg~0,887l

Average molecular weight 380-420
Identity according to Pharmacopoeias ..... p/t.
Hydroxyl value 264-300
Viscosity at 99°C ..... 6,8-8,0 cSt
Kinematic viscosity at 20°C ..... 94-116 cSt
Dynamic viscosity at 20°C ..... 105-130 mPa.s
pH of 5% solution 4,5-7,5

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Residue on ignition (as SO_4) ..... 0,1 %
Reducing substances ..... p/t.
Organic volatile impurities ..... p/t.
Ethylene Oxide (G.C) ..... 0,0001 %
1,4-Dioxane (G.C.) ..... 0,001 %
Ethylene Glycol and Diethylene Glycol (G.C.) ..... 0,25 %
Acidity or alkalinity ..... p/t.
Water (H_2O) ..... 2,0 %
Formaldehyde (CH_2O) ..... 0,0015 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0003 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142436.1611	1000 ml	6
142436.1214	5 l	4

Polyethylene Glycol 400 PS

$HO(C_2H_4O)_nH$

CAS: 25322-68-3 EINECS: 203-473-3 NC: 3907 20 11

1l~1,127kg 1kg~0,887l

SPECIFICATIONS:

Average molecular weight 380-420
Identity ..... IR p/t.
Density at 20/4 1,125-1,128
Hydroxyl value 267-295

Order code	Package	Units/Box st.
162436.1611	1000 ml	6
162436.1214	5 l	4
162436.0716	25 l	

Polyethylene Glycol 600 PS

$HO(C_2H_4O)_nH$

CAS: 25322-68-3 EINECS: 203-473-3 NC: 3907 20 11

1l~1,126kg 1kg~0,888l

SPECIFICATIONS:

Average molecular weight 560-640
Identity ..... IR p/t.
Density at 20/4 1,125-1,128
Hydroxyl value 175-198

Order code	Package	Units/Box st.
163925.1611	1000 ml	6
163925.1214	5 l	4

Polyethylene Glycol 1500 PS

$HO(C_2H_4O)_nH$

CAS: 25322-68-3 EINECS: 203-473-3 NC: 3907 20 11

SPECIFICATIONS:

Average molecular weight 1400-1600
Identity ..... IR p/t.
Melting range ..... 42-48°C
Hydroxyl value 66-80

Order code	Package	Units/Box st.
162525.1211	1000 g	6
162525.0914	5 kg	
162525.0416	25 kg	

Polyethylene Glycol 4000 flakes (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

$HO(C_2H_4O)_nH$

CAS: 25322-68-3 EINECS: 203-473-3 NC: 3907 20 11

SPECIFICATIONS:

Average molecular weight 3600-4400
Identity according to Pharmacopoeias ..... p/t.
Hydroxyl value 25-32
Viscosity at 99°C ..... 110-158 cSt
Kinematic viscosity of 50% w/w sol. at 20°C ..... 102-158 cSt
Dynamic viscosity of 50% w/w sol. at 20°C ..... 110-170 mPa.s
Freezing point ..... 53-58°C
pH of 5% solution 4,5-7,5

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Residue on ignition (as SO_4) ..... 0,1 %
Reducing substances ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t.
Ethylene Oxide (G.C.) ..... 0,0001 %
1,4-Dioxane (G.C.) ..... 0,001 %
Acidity or alkalinity ..... p/t.
Water (H_2O) ..... 1,0 %
Formaldehyde (CH_2O) ..... 0,0015 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0003 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142438.1211	1000 g	6
142438.0914	5 kg	

Polyethylene Glycol 4000 flakes PS

$HO(C_2H_4O)_nH$

CAS: 25322-68-3 EINECS: 203-473-3 NC: 3907 20 11

SPECIFICATIONS:

Average molecular weight 3500-4500
Identity ..... IR p/t.
Melting range ..... 58-62°C
Hydroxyl value 25-35

Order code	Package	Units/Box st.
162438.1211	1000 g	6
162438.0914	5 kg	
162438.0416	25 kg	

Polyethylene Glycol 6000 flakes PS

$HO(C_2H_4O)_nH$

CAS: 25322-68-3 EINECS: 203-473-3 NC: 3907 20 11

SPECIFICATIONS:

Average molecular weight 5000-7000
Identity ..... IR p/t.
Melting range ..... 59-64°C
Hydroxyl value 16-23

Order code	Package	Units/Box st.
162439.1211	1000 g	6
162439.0914	5 kg	
162439.0416	25 kg	

Polyethylene Glycol 6000 powder PS

$HO(C_2H_4O)_nH$

CAS: 25322-68-3 EINECS: 203-473-3 NC: 3907 20 11

SPECIFICATIONS:

Average molecular weight 5000-7000
Identity ..... IR p/t.
Melting range ..... 59-64°C
Hydroxyl value 16-23

Order code	Package	Units/Box st.
163325.1211	1000 g	6
163325.0914	5 kg	
163325.0416	25 kg	

Polymyxin B Sulphate PB

CAS: 1405-20-5 EINECS: 215-774-7 NC: 2941 90 00

SPECIFICATIONS:

Minimum assay (Microb.) ..... 6500 IU/mg
Identity ..... p/t.
Specific rotation $[\alpha]^{20}/D$ c=2 (in H_2O) calc. a.d.s. ..... -78 to -90°
pH of 2% solution 5,0-7,0

MAXIMUM LIMIT OF IMPURITIES

Loss on drying ..... 6,0 %
Residue on ignition (as SO_4) ..... 0,75 %

Order code	Package	Units/Box st.
374952.1503	1 g	6

Polyoxiethylenelauric Ether

(see Brij ® 35)

Polyphosphoric Acid PS

$H_{n+2}P_nO_{3n+1}$

CAS: 8017-16-1 EINECS: 232-417-0 NC: 2809 20 00 UN: 1805
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:

C

R: 34 S: 26-36/37/39-45
1l~2,060kg 1kg~0,485l
SPECIFICATIONS:
Assay (Acidim.) (as P_2O_5) ..... ~85 %

Order code	Package	Units/Box st.
15A471.1606	25 g	6
15A471.1611	1000 g	6

Polysorbate 20 (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

CAS: 9005-64-5 EINECS: 500-018-3 NC: 3402 13 00
1l~1,105kg 1kg~0,905l
SPECIFICATIONS:
Identity according to Pharmacopoeias ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Residue on ignition (as SO_4) ..... 0,2 %
Composition of fatty acids ..... p/t.
Acidity value 2,0
Hydroxyl value 96-108
Peroxide value 10,0
Saponification value 40-50
Iodine value 5,0
Reducing Impurities ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t.
Ethylene Oxide ..... 0,0001 %
Dioxane ..... 0,001 %
Water (H_2O) ..... 3,0 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
146076.1611	1000 ml	6

Polysorbate 20 (E-432) ADITIO

CAS: 9005-64-5 EINECS: 500-018-3 NC: 3402 13 00
1l~1,105kg 1kg~0,905l
SPECIFICATIONS:
Assay (calc. a.a.s.), not less than ..... 97,3 %
Water (H_2O), not more than ..... 3 %
Acidity value, not more than 2
Saponification value 40-50
Hydroxyl value 96-108
1,4-Dioxane, not more than ..... 5 ppm
Ethylene Oxide, not more than ..... 0,2 ppm
Ethylene Glycol (mono- and di-), not more than ..... 0,25 %
Arsenic, not more than ..... 3 ppm
Lead, not more than ..... 5 ppm
Mercury, not more than ..... 1 ppm
Cadmium, not more than ..... 1 ppm
Specifications Dir. 2003/95/CE

Order code	Package	Units/Box st.
206076.1214	5 l	4
206076.0716	25 l	

Polysorbate 40 (USP, BP, Ph. Eur.) PRS-CODEX

M: 1283,64 CAS: 9005-66-7 NC: 3402 13 00
1l~1,090kg 1kg~0,917l
SPECIFICATIONS:
Identity according to Pharmacopoeias ..... p/t.
Hydroxyl value 89-105
Saponification value 41-52
MAXIMUM LIMIT OF IMPURITIES
Residue on ignition ..... 0,25 %
Composition of fatty acids ..... p/t.
Acidity value 2,0
Peroxide value 10,0
Residual solvents (Ph.Eur./USP) ..... p/t.
Ethylene Oxide ..... 0,0001 %
Dioxane ..... 0,001 %
Water (H_2O) ..... 3,0 %
Heavy metals (as Pb) ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
146158.1611	1000 ml	6
146158.1214	5 l	4
146158.0716	25 l	

Polysorbate 40 (E-434) ADITIO

M: 1283,64 CAS: 9005-66-7 NC: 3402 13 00
1l~1,090kg 1kg~0,917l
SPECIFICATIONS:
Assay (calc. a.a.s.), not less than ..... 97 %
Water (H_2O), not more than ..... 3 %
Acidity value, not more than 2
Saponification value 41-52
Hydroxyl value 90-107
1,4-Dioxane, not more than ..... 5 ppm
Ethylene Oxide, not more than ..... 0,2 ppm
Ethylene Glycol (mono- and di-), not more than ..... 0,25 %
Arsenic, not more than ..... 3 ppm
Lead, not more than ..... 5 ppm
Mercury, not more than ..... 1 ppm
Cadmium, not more than ..... 1 ppm
Specifications Dir. 2008/84/CE

Order code	Package	Units/Box st.
206158.1214	5 l	4
206158.0716	25 l	

Polysorbate 40 PS

M: 1283,64 CAS: 9005-66-7 NC: 3402 13 00
1l~1,090kg 1kg~0,917l
SPECIFICATIONS:
Hydroxyl value 89-105
Saponification value 41-52

Order code	Package	Units/Box st.
156158.1611	1000 ml	6
156158.1214	5 l	4
156158.0716	25 l	

Polysorbate 60 (USP, BP, Ph. Eur.) PRS-CODEX

$C_{64}H_{126}O_{26}$

M: 1311,67 CAS: 9005-67-8 EINECS: 500-020-4 NC: 3402 13 00
1l~1,080kg 1kg~0,926l
SPECIFICATIONS:
Identity according to Pharmacopoeias ..... p/t.
Hydroxyl value 81-96
Saponification value 45-55
MAXIMUM LIMIT OF IMPURITIES
Residue on ignition ..... 0,2 %
Composition of fatty acids ..... p/t.
Acidity value 2,0
Peroxide value 10,0
Iodine value 5,0
Reducing impurities ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t.
Ethylene Oxide ..... 0,0001 %
Dioxane ..... 0,001 %
Water (H_2O) ..... 3,0 %
Heavy metals (as Pb) ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
146159.1611	1000 ml	6
146159.1214	5 l	4
146159.0716	25 l	

Polysorbate 60 (E-435) ADITIO

$C_{64}H_{126}O_{26}$

M: 1311,67 CAS: 9005-67-8 EINECS: 500-020-4 NC: 3402 13 00
1l~1,080kg 1kg~0,926l
SPECIFICATIONS:
Assay (calc. a.a.s.), not less than ..... 97 %
Water (H_2O), not more than ..... 3 %
Acidity value, not more than 2
Saponification value 45-55
Hydroxyl value 81-96
1,4-Dioxane, not more than ..... 5 ppm
Ethylene Oxide, not more than ..... 0,2 ppm
Ethylene Glycol (mono- and di-), not more than ..... 0,25 %
Arsenic, not more than ..... 3 ppm
Lead, not more than ..... 5 ppm
Mercury, not more than ..... 1 ppm
Cadmium, not more than ..... 1 ppm
Specifications Dir. 2008/84/CE

Order code	Package	Units/Box st.
206159.1214	5 l	4
206159.0716	25 l	

Polysorbate 60 PS

$C_{64}H_{126}O_{26}$

M: 1311,67 CAS: 9005-67-8 EINECS: 500-020-4 NC: 3402 13 00
1l~1,080kg 1kg~0,926l
SPECIFICATIONS:
Hydroxyl value 81-96
Saponification value 45-55

Order code	Package	Units/Box st.
156159.1611	1000 ml	6
156159.1214	5 l	4
156159.0716	25 l	

Polysorbate 65 (E-436) ADITIO

CAS: 9005-71-4 NC: 3402 13 00

1l~1,050kg 1kg~0,952l

SPECIFICATIONS:

Assay (calc. a.a.s.), not less than ..... 96 %
Water (H_2O), not more than ..... 3 %
Acidity value, not more than 2
Saponification value 88-98
Hydroxyl value 40-60
1,4-Dioxane, not more than ..... 5 ppm
Ethylene Oxide, not more than ..... 0,2 ppm
Ethylene Glycol (mono- and di-), not more than ..... 0,25 %
Arsenic, not more than ..... 3 ppm
Lead, not more than ..... 5 ppm
Mercury, not more than ..... 1 ppm
Cadmium, not more than ..... 1 ppm
Specifications Dir. 2008/84/CE

Order code	Package	Units/Box st.
206160.1214	5 l	4
206160.0716	25 l	

Polysorbate 65 PS

CAS: 9005-71-4 NC: 3402 13 00

1l~1,050kg 1kg~0,952l

SPECIFICATIONS:

Hydroxyl value 40-60
Saponification value 88-98

Order code	Package	Units/Box st.
156160.1611	1000 ml	6
156160.1214	5 l	4
156160.0716	25 l	

Polysorbate 80 (USP-NF, BP, Ph. Eur.) PRS-CODEX

CAS: 9005-65-6 EINECS: 500-019-9 NC: 3402 13 00

1l~1,075kg 1kg~0,930l

SPECIFICATIONS:

Identity according to Pharmacopoeias ..... p/t.
Density at 25/4 1,06-1,09
Viscosity at 25°C ..... 300-500 cSt

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition (as SO_4) ..... 0,2 %
Composition of fatty acids ..... p/t.
Acidity value 2,0
Hydroxyl value 65-80
Peroxide value 10,0
Saponification value 45-55
Iodine value 18-24
Reducing impurities ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t.
Ethylene Oxide ..... 0,0001 %
Dioxane ..... 0,001 %
Water (H_2O) ..... 3,0 %
Heavy metals (as Pb) ..... 0,001 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
146075.1611	1000 ml	6
146075.0716	25 l	

Polysorbate 80 (E-433) ADITIO

CAS: 9005-65-6 EINECS: 500-019-9 NC: 3402 13 00

1l~1,075kg 1kg~0,930l

SPECIFICATIONS:

Assay (calc. a.a.s.), not less than ..... 96,5 %
Water (H_2O), not more than ..... 3 %
Acidity value, not more than 2
Saponification value 45-55
Hydroxyl value 65-80
1,4-Dioxane, not more than ..... 5 ppm
Ethylene Oxyde, not more than ..... 0,2 ppm
Ethylene Glycol (mono- and di-), not more than ..... 0,25 %
Arsenic, not more than ..... 3 ppm
Lead, not more than ..... 5 ppm
Mercury, not more than ..... 1 ppm
Cadmium, not more than ..... 1 ppm
Specifications Dir. 2008/84/CE

Order code	Package	Units/Box st.
206075.1214	5 l	4
206075.0716	25 l	

Polysorbate 80 PS

CAS: 9005-65-6 EINECS: 500-019-9 NC: 3402 13 00

1l~1,075kg 1kg~0,930l

SPECIFICATIONS:

Hydroxyl value 65-80
Saponification value 45-55

Order code	Package	Units/Box st.
156075.1611	1000 ml	6
156075.1214	5 l	4

Polysorbate 85 PS

CAS: 9005-70-3 NC: 3402 13 00

1l~1,110kg 1kg~0,901l

SPECIFICATIONS:

Hydroxyl value 38-52
Saponification value 85-98

Order code	Package	Units/Box st.
154406.1611	1000 ml	6
154406.1214	5 l	4
154406.0716	25 l	

Ponceau B

(see Biebrich Scarlet)

Ponceau S (C.I. 27195) DC

for electrophoresis

$C_{22}H_{12}N_4Na_4O_{13}S_4$

M: 760,56 CAS: 6226-79-5 EINECS: 228-319-2 NC: 3204 12 00

SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 517-523 nm
A 1%, 1 cm, λmax ..... >460
Ratio λmax P ± 15 nm 0,98-1,10
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C ..... 10 %

Order code	Package	Units/Box st.
253983.1604	5 g	6
253983.1606	25 g	6

POTASSIUM SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Potassium Acetate PA-ACS

CH_3COOK

M: 98,15 CAS: 127-08-2 EINECS: 204-822-2 NC: 2915 29 00

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99,0 %
pH of 5% solution 6,5-9,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,002 %
Nitrogen compounds (as N) ..... 0,001 %
Phosphate (PO_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0001 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Mg ..... 0,001 %
Na ..... 0,03 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131479.1210	500 g	6
131479.1211	1000 g	6

Potassium Acetate PA

CH_3COOK

M: 98,15 CAS: 127-08-2 EINECS: 204-822-2 NC: 2915 29 00

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99,0 %
pH of 5% solution 6,5-9,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,002 %
Nitrogen compounds (as N) ..... 0,001 %
Phosphate (PO_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,005 %
As ..... 0,0001 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Mg ..... 0,005 %
Na ..... 0,25 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
121479.1210	500 g	6
121479.1211	1000 g	6
121479.0914	5 kg	
121479.0416	25 kg	

Potassium Acetate (RFE, BP, Ph. Eur.) PRS-CODEX

CH_3COOK

M: 98,15 CAS: 127-08-2 EINECS: 204-822-2 NC: 2915 29 00

SPECIFICATIONS:

Assay (Perchl. Ac.) calc. a.d.s. ..... 99,0-101,0 %
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 7,5-9,0

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,025 %
Loss on drying at 105°C ..... 3,0 %
Residual solvents (Ph.Eur./USP) ..... p/t
Reducing substances ..... p/t.
Chloride (Cl) ..... 0,01 %
Phosphate (PO_4) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,0004 %
Al ..... 0,0001 %
As ..... 0,0002 %
Ca ..... 0,05 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Mg ..... 0,05 %
Na ..... 0,5 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141479.1210	500 g P	6
141479.1211	1000 g P	6
141479.0914	5 kg PP	
141479.0416	25 kg	

Potassium Acetate (E-261) ADITIO

CH_3COOK

M: 98,15 CAS: 127-08-2 EINECS: 204-822-2 NC: 2915 29 00

SPECIFICATIONS:

Assay (as $C_2H_3O_2K$)(calc. on dried basis) not less than ..... 99,0 %
Formic acid, formiates and other oxidizable imp. (formic acid),
not more than ..... 0,1 %
pH of 5% solution 7,5-9,0
Loss on drying at 150°C, not more than ..... 8 %
Arsenic (as As), not more than ..... 3 ppm
Lead, not more than ..... 5 ppm
Heavy metals (as Pb), not more than ..... 0,001 %
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/CE

Order code	Package	Units/Box st.
201479.0914	5 kg PP	

Potassium Alum

(see Aluminium Potassium Sulphate 12-hydrate)

Potassium Aluminium Sulphate

(see Aluminium Potassium Sulphate 12-hydrate)

Potassium Antimony(III) Tartrate 3-hydrate PA-ACS

$C_8H_4K_2O_{12}Sb_2.3H_2O$

M: 667,87 CAS: 28300-74-5 EINECS: 234-293-3 NC: 2918 13 00 UN: 1551
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn N

R: 20/22-51/53 S: 61 CE: 051-003-00-9

SPECIFICATIONS:

Assay (Iodom.) 99,0-103,0%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,02 %
Loss on drying at 105°C ..... 2,7 %
Acidity or Alkalinity ..... 0,02 meq/g
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
As ..... 0,015 %

Order code	Package	Units/Box st.
131159.1210	500 g P	6

Potassium Antimony(III) Tartrate 3-hydrate PRS

$C_8H_4K_2O_{12}Sb_2.3H_2O$

M: 667,87 CAS: 28300-74-5 EINECS: 234-293-3 NC: 2918 13 00 UN: 1551
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn N

R: 20/22-51/53 S: 61 CE: 051-003-00-9

SPECIFICATIONS:

Assay (Iodom.) ..... 98 %
pH of 5% solution 3,8-4,2
Insoluble matter in H_2O ..... 0,05 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,02 %

Order code	Package	Units/Box st.
141159.1210	500 g P	6
141159.1214	5 kg P	4
141159.0416	25 kg PP	

Potassium Bicarbonate

(see Potassium Hydrogen Carbonate)

Potassium Bifluoride

(see Potassium Hydrogen Difluoride)

Potassium Biiodate

(see Potassium Hydrogen Diiodate)

Potassium Bioxalate

(see Potassium Hydrogen Oxalate)

Potassium Biphthalate

(see Potassium Hydrogen Phthalate)

Potassium Bisulphate

(see Potassium Hydrogen Sulphate)

Potassium meta-Bisulphite

(see Potassium Disulphite)

Potassium Bitartrate

(see Potassium Hydrogen Tartrate)

Potassium Boron Tartrate PRS

CAS: 12001-68-2 NC: 2918 13 00

SPECIFICATIONS:

Insoluble matter in H_2O ..... 0,05 %
Chloride (Cl) ..... 0,05 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141198.1210	500 g P	6

Potassium Bromate EQP-ACS-ISO

Primary Chemical Matter

$KBrO_3$

M: 167,01 CAS: 7758-01-2 EINECS: 231-829-8 NC: 2829 90 40 UN: 1484
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

T O

R: 45-9-E25 S: 53-45 CE: 035-003-00-6

SPECIFICATIONS:

Assay (Iodom.)(after dried at 130°C) 99,95-100,05%
pH of 5% sol. 5,0-9,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Nitrogen compounds (as N) ..... 0,001 %
Bromide (Br) ..... 0,02 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,0005 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Mg ..... 0,001 %
Mn ..... 0,0005 %
Na ..... 0,01 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
241487.1521	10 x 1,5 g	6
241487.1608	100 g	6

Potassium Bromate (Reag. Ph. Eur.) PA-ACS-ISO

$KBrO_3$

M: 167,01 CAS: 7758-01-2 EINECS: 231-829-8 NC: 2829 90 40 UN: 1484
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

T O **R: 45-9-E25 S: 53-45 CE: 035-003-00-6**

SPECIFICATIONS:
Minimum assay (Iodom.) a.d.s ..... 99,8 %
pH of 5% solution 5,0-9,0
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,003 %
Loss on drying at 150°C ..... 0,1 %
Nitrogen compounds (as N) ..... 0,001 %
Bromide (Br) ..... 0,02 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,0005 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Mg ..... 0,001 %
Mn ..... 0,0005 %
Na ..... 0,01 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131487.1210	500 g	6
131487.1211	1000 g	6
131487.1214	5 kg	4

Potassium Bromate PRS

$KBrO_3$

M: 167,01 CAS: 7758-01-2 EINECS: 231-829-8 NC: 2829 90 40 UN: 1484
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

T O **R: 45-9-E25 S: 53-45 CE: 035-003-00-6**

SPECIFICATIONS:
Assay (Iodom.) ..... 99 %
pH of 5% solution 5,0-9,0
Insoluble matter in H_2O ..... 0,01 %
Nitrogen compounds (as N) ..... 0,005 %
Sulphate (SO_4) ..... 0,025 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141487.1210	500 g	6
141487.1211	1000 g	6
141487.1214	5 kg	4

Potassium Bromate (F.C.C.) ADITIO

$KBrO_3$

M: 167,01 CAS: 7758-01-2 EINECS: 231-829-8 NC: 2829 90 40 UN: 1484
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

T O **R: 45-9-E25 S: 53-45 CE: 035-003-00-6**

SPECIFICATIONS:
Assay (as $KBrO_3$) after drying 99,0-101,0%
Loss on drying, not more than ..... 0,1 %
Chloride, not more than ..... 0,05 %
Sulphate, not more than ..... 0,01 %
Lead, not more than ..... 4 ppm
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201487.1214	5 kg	4

Potassium Bromate 1/60 mol/l (0,1N) SV

Indicator: Starch
$KBrO_3$

M: 167,01 CAS: 7758-01-2 EINECS: 231-829-8 NC: 2829 90 40
HAZARDOUS:

T **R: 45 S: 53-45 CE: 035-003-00-6**
1l~1,002kg 1kg~0,998l
SPECIFICATIONS:
Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
181488.1211	1000 ml	6

Potassium Bromide (IR) PAI

KBr

M: 119,01 CAS: 7758-02-3 EINECS: 231-830-3 NC: 2827 51 00
SPECIFICATIONS:
Suitability for IR spectrometry ..... p/t.
Max. Absorbance (2g pressed disk, 0,5 cm layer thickness) .....
Water; (3250-3750)/(1620-1640) cm^{-1} 0,15
CH- compounds; 2750-3100 cm^{-1} 0,004
Other; 420-4000 cm^{-1} 0,05

Order code	Package	Units/Box st.
331489.1608	100 g	6
331489.1609	250 g	6

Potassium Bromide PA-ACS

KBr

M: 119,01 CAS: 7758-02-3 EINECS: 231-830-3 NC: 2827 51 00
SPECIFICATIONS:
Minimum assay (Arg.) ..... 99,5 %
pH of 5% solution 5,5-8,5
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,003 %
Loss on drying at 130°C ..... 0,2 %
Nitrogen compounds (as N) ..... 0,001 %
Bromate (BrO_3) ..... 0,001 %
Chloride (Cl) ..... 0,1 %
Sulphate (SO_4) ..... 0,005 %
Iodate (IO_3) ..... 0,001 %
Iodide (I) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0005 %
Metals by ICP [mg/Kg (ppm)]

Al	5	Fe	3	Sb	5
Au	5	Ga	5	Se	5
Ba	20	Ge	5	Si	5
Be	5	In	5	Sn	5
Bi	5	Mg	5	Sr	5
Ca	10	Mn	5	Ti	5
Cd	5	Mo	5	V	5
Co	5	Na	200	Zn	5
Cr	5	Ni	5	Zr	5
Cu	5	Pb	5		

Order code	Package	Units/Box st.
131489.1210	500 g	6

Potassium Bromide PA

KBr

M: 119,01 CAS: 7758-02-3 EINECS: 231-830-3 NC: 2827 51 00
SPECIFICATIONS:
Minimum assay (Arg) ..... 99,5 %
pH of 5% solution 5,0-8,8
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,003 %
Loss on drying at 130°C ..... 0,2 %
Nitrogen compounds (as N) ..... 0,001 %
Bromate ..... p/t.
Chloride (Cl) ..... 0,2 %
Sulphate (SO_4) ..... 0,005 %
Iodide (I) ..... 0,05 %
Ba ..... 0,002 %
Ca ..... 0,002 %
Cu ..... 0,0005 %
Fe ..... 0,0003 %
Mg ..... 0,002 %
Na ..... 0,1 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
121489.1210	500 g	6
121489.1211	1000 g	6
121489.1214	5 kg	4

VINIKIT
Análisis de vinos
Wine analysis
Analyse des vins

Potassium Bromide (RFE, BP, Ph. Eur.) PRS-CODEX

KBr

M: 119,01 CAS: 7758-02-3 EINECS: 231-830-3 NC: 2827 51 00

SPECIFICATIONS:

Assay (Arg.) calc. a.d.s 98,0-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,01 %
Loss on drying at 105°C ..... 1,0 %
Residual solvents (Ph.Eur./USP) ..... p/t
Acidity or alkalinity ..... p/t.
Bromate ..... p/t.
Chloride (Cl) ..... 0,5 %
Sulphate (SO_4) ..... 0,01 %
Iodide ..... p/t.
Magnesium and other alkaline-earth metals (as Ca) ..... 0,02 %
Heavy metals (as Pb) ..... 0,001 %
Ba ..... p/t.
Fe ..... 0,002 %

Order code	Package	Units/Box st.
141489.1210	500 g P	6
141489.1211	1000 g P	6
141489.1214	5 kg P	4

Potassium Carbonate (Reag. Ph. Eur.) PA-ACS-ISO

K_2CO_3

M: 138,21 CAS: 584-08-7 EINECS: 209-529-3 NC: 2836 40 00

HAZARDOUS:

Xn **R: 22 S: 22**

SPECIFICATIONS:

Minimum assay (Acidim.) calc. a.d.s ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 300°C ..... 1,0 %
Nitrogen compounds (as N) ..... 0,001 %
Sulphur compounds (as SO_4) ..... 0,003 %
Chloride (Cl) ..... 0,002 %
Phosphate (PO_4) ..... 0,001 %
Silicate (as SiO_2) ..... 0,005 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0001 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Fe	5	Sb	5
Al	10	Ga	5	Se	20
Au	5	Ge	5	Si	20
B	5	In	5	Sn	5
Ba	5	Li	5	Sr	5
Be	5	Mg	20	Ti	5
Bi	5	Mn	5	Tl	5
Ca	20	Mo	5	V	5
Cd	5	Na	200	Zn	5
Co	5	Ni	5	Zr	5
Cr	5	Pb	5		
Cu	5	Pt	5		

Order code	Package	Units/Box st.
131490.1210	500 g P	6
131490.1211	1000 g P	6
131490.1214	5 kg P	4
131490.0416	25 kg PP	

Potassium Carbonate PA

K_2CO_3

M: 138,21 CAS: 584-08-7 EINECS: 209-529-3 NC: 2836 40 00

HAZARDOUS:

Xn **R: 22 S: 22**

SPECIFICATIONS:

Minimum assay (Acidim.) calc. a.d.s ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Loss on drying at 300°C ..... 1,0 %
Nitrogen compounds (as N) ..... 0,001 %
Sulphur compounds (as SO_4) ..... 0,01 %
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,002 %
Silicate (as SiO_2) ..... 0,01 %
Heavy metals (as Pb) ..... 0,001 %
Al ..... 0,002 %
As ..... 0,0002 %
Ca ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Mg ..... 0,005 %
Na ..... 0,3 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
121490.1210	500 g P	6
121490.1211	1000 g P	6
121490.1214	5 kg P	4
121490.0416	25 kg PP	

Potassium Carbonate PRS

K_2CO_3

M: 138,21 CAS: 584-08-7 EINECS: 209-529-3 NC: 2836 40 00

HAZARDOUS:

Xn **R: 22 S: 22**

SPECIFICATIONS:

Assay (Acidim.) ..... 99 %
Insoluble matter in H_2O ..... 0,02 %
Loss on drying at 300°C ..... 3 %
Nitrogen compounds (as N) ..... 0,005 %
Chloride (Cl) ..... 0,01 %
Phosphate (PO_4) ..... 0,005 %
Sulphate (SO_4) ..... 0,05 %
Al ..... 0,005 %
As ..... 0,0003 %
Ca ..... 0,01 %
Cu ..... 0,003 %
Fe ..... 0,003 %
Mg ..... 0,01 %
Ni ..... 0,003 %
Pb ..... 0,003 %

Order code	Package	Units/Box st.
141490.1210	500 g P	6
141490.1211	1000 g P	6
141490.1214	5 kg P	4
141490.0416	25 kg PP	

Potassium Carbonate (USP, BP, Ph. Eur.) CODEX

K_2CO_3

M: 138,21 CAS: 584-08-7 EINECS: 209-529-3 NC: 2836 40 00

HAZARDOUS:

Xn **R: 22 S: 22**

SPECIFICATIONS:

Assay (Acidim.) calc. a.d.s. 99,5-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Loss on drying at 180°C ..... 0,5 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Heavy metals (as Pb) ..... 0,0005 %
Ca ..... 0,01 %
Fe ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
191490.1211	1000 g P	6
191490.0416	25 kg PP	

Potassium Carbonate (E-501i, F.C.C.) ADITIO

K_2CO_3

M: 138,21 CAS: 584-08-7 EINECS: 209-529-3 NC: 2836 40 00

HAZARDOUS:

Xn **R: 22 S: 22**

SPECIFICATIONS:

Assay (as K_2CO_3) after drying 99,0-100,5%
Loss on drying, not more than ..... 1 %
Insoluble substances ..... p/t.
Arsenic, not more than ..... 3 ppm
Mercury, not more than ..... 1 ppm
Lead, not more than ..... 2 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201490.1214	5 kg P	4
201490.0416	25 kg PP	

Potassium Carbonate QP

K_2CO_3

M: 138,21 CAS: 584-08-7 EINECS: 209-529-3 NC: 2836 40 00

HAZARDOUS:

Xn **R: 22 S: 22**

SPECIFICATIONS:

Assay (Acidim.) ..... 99 %
Insoluble matter in H_2O ..... 0,05 %
Chloride (Cl) ..... 0,05 %

Order code	Package	Units/Box st.
211490.1214	5 kg P	4
211490.0416	25 kg PP	

Potassium Carbonate-Sodium Carbonate anhydrous PA

$50\%Na_2CO_3+50\%K_2CO_3$

NC: 2836 99 17

HAZARDOUS:

Xn

R: 22-36/37/38 S: 22-26

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Nitrogen compounds (as N) ..... 0,001 %
Sulphur compounds (as SO_4) ..... 0,003 %
Chloride (Cl) ..... 0,002 %
Phosphate (PO_4) ..... 0,001 %
As ..... 0,0001 %
Ca ..... 0,005 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
Mg ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
121728.1210	500 g P	6
121728.1211	1000 g P	6

Potassium Chlorate (Reag. Ph. Eur.) PA-ACS

$KClO_3$

M: 122,55 CAS: 3811-04-9 EINECS: 223-289-7 NC: 2829 19 00 UN: 1485
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 509 CAO: 512

HAZARDOUS:

O Xn N

R: 9-20/22-51/53 S: 61-13-16-27 CE: 017-004-00-3

SPECIFICATIONS:

Minimum assay ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Nitrogen compounds (as N) ..... 0,001 %
Bromate (BrO_3) ..... 0,015 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Co	5	Mo	5
Al	5	Cr	5	Na	100
As	5	Cu	5	Ni	5
Ba	1	Fe	3	Pb	5
Bi	5	Li	5	Sr	5
Ca	20	Mg	10	Tl	5
Cd	5	Mn	5	Zn	5

Order code	Package	Units/Box st.
131493.1210	500 g P	6
131493.1211	1000 g P	6
131493.1214	5 kg P	4
131493.0716	25 kg P	

Potassium Chlorate (Ph. Helv.) PRS-CODEX

$KClO_3$

M: 122,55 CAS: 3811-04-9 EINECS: 223-289-7 NC: 2829 19 00 UN: 1485
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 509 CAO: 512

HAZARDOUS:

O Xn N

R: 9-20/22-51/53 S: 61-13-16-27 CE: 017-004-00-3

SPECIFICATIONS:

Assay 99,0-101,0%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t
Nitrogen compounds (as N) ..... 0,005 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0001 %
Ca ..... 0,01 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Mg ..... 0,01 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141493.1210	500 g P	6
141493.1211	1000 g P	6
141493.1214	5 kg P	4
141493.0716	25 kg P	

Potassium Chloride EQP-ACS-ISO

Primary Chemical Matter

KCl

M: 74,56 CAS: 7447-40-7 EINECS: 231-211-8 NC: 3104 20 10

SPECIFICATIONS:

Assay (Arg.) after drying at 110°C ..... 99,95-100,05 %
pH of 5% solution 5,4-8,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Nitrogen compounds (as N) ..... 0,001 %
Bromide (Br) ..... 0,01 %
Phosphate (PO_4) ..... 0,0005 %
Chlorate and nitrate (as NO_3) ..... 0,003 %
Sulphate (SO_4) ..... 0,001 %
Iodide (I) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Fe	2	Pt	5
Al	10	Ga	5	Sb	5
Au	5	Ge	5	Se	5
B	5	Hg	5	Si	5
Ba	10	In	5	Sn	5
Be	5	Li	5	Sr	5
Bi	5	Mg	10	Ti	5
Ca	20	Mn	5	Tl	5
Cd	5	Mo	5	V	5
Co	5	Na	50	Zn	5
Cr	5	Ni	5	Zr	5
Cu	5	Pb	5		

Order code	Package	Units/Box st.
241494.1521	10 x 1,5 g	6
241494.1608	100 g	6

Potassium Chloride PA-ACS-ISO

KCl

M: 74,56 CAS: 7447-40-7 EINECS: 231-211-8 NC: 3104 20 10

SPECIFICATIONS:

Assay (Arg.) 99,5-100,5%
pH of 5% solution 5,4-8,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 150°C ..... 0,1 %
Nitrogen compounds (as N) ..... 0,001 %
Bromide (Br) ..... 0,01 %
Phosphate (PO_4) ..... 0,0005 %
Chlorate and nitrate (as NO_3) ..... 0,003 %
Sulphate (SO_4) ..... 0,001 %
Iodide (I) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Fe	2	Pt	5
Al	10	Ga	5	Sb	5
Au	5	Ge	5	Se	5
B	5	Hg	5	Si	5
Ba	10	In	5	Sn	5
Be	5	Li	5	Sr	5
Bi	5	Mg	10	Ti	5
Ca	20	Mn	5	Tl	5
Cd	5	Mo	5	V	5
Co	5	Na	50	Zn	5
Cr	5	Ni	5	Zr	5
Cu	5	Pb	5		

Order code	Package	Units/Box st.
131494.1210	500 g P	6
131494.1211	1000 g P	6
131494.1214	5 kg P	4
131494.0416	25 kg PP	

Potassium Chloride PRS

KCl

M: 74,56 CAS: 7447-40-7 EINECS: 231-211-8 NC: 3104 20 10

SPECIFICATIONS:

Assay (Arg.) ..... 99 %
Insoluble matter in H_2O ..... 0,01 %
Loss on drying at 150°C ..... 0,2 %
Nitrogen compounds (as N) ..... 0,005 %
Phosphate (PO_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,01 %
As ..... 0,0001 %
Ba ..... 0,005 %
Ca ..... 0,01 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Mg ..... 0,01 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141494.1210	500 g P	6
141494.1211	1000 g P	6
141494.1214	5 kg P	4
141494.0416	25 kg PP	

Potassium Chloride (RFE, USP, BP, Ph. Eur.) CODEX

KCl

M: 74,56 CAS: 7447-40-7 EINECS: 231-211-8 NC: 3104 20 10

SPECIFICATIONS:

Assay (Arg.) calc. a.d.s 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Loss on drying at 105°C ..... 1,0 %
Acidity or alkalinity ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t.
Bromide (Br) ..... 0,1 %
Sulphate (SO_4) ..... 0,03 %
Iodide (USP) ..... 0,005 %
Iodide ..... p/t.
Calcium, Magnesium and alkaline-earth metals (as Ca) ..... 0,02 %
Heavy metals (as Pb) ..... 0,001 %
Al ..... 0,0001 %
As ..... 0,0003 %
Ba ..... 0,001 %
Ba (Ph. Eur.) ..... p/t.
Fe ..... 0,002 %
Na ..... 0,1 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
191494.1211	1000 g	6
191494.1214	5 kg	4
191494.0416	25 kg	

Potassium Chloride (E-508, F.C.C.) ADITIO

KCl

M: 74,56 CAS: 7447-40-7 EINECS: 231-211-8 NC: 3104 20 10

SPECIFICATIONS:

Assay (as KCl) after drying, not less than ..... 99,0 %
Acidity or alkalinity ..... p/t.
Heavy metals (as Pb), not more than ..... 5 ppm
Bromide and/or Iodide ..... p/t.
Loss on drying, not more than ..... 1,0 %
Sodium ..... p/t.
Arsenic (as As), not more than ..... 3 ppm
Cadmium, not more than ..... 1 ppm
Mercury, not more than ..... 1 ppm
Lead, not more than ..... 5 ppm
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201494.1214	5 kg	4
201494.0416	25 kg	

Potassium Chloride QP

KCl

M: 74,56 CAS: 7447-40-7 EINECS: 231-211-8 NC: 3104 20 10

SPECIFICATIONS:

Assay (Arg.) ..... 99 %
Insoluble matter in H_2O ..... 0,05 %
Sulphate (SO_4) ..... 0,05 %
As ..... 0,0003 %
Fe ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
211494.1214	5 kg	4
211494.0416	25 kg	

POTASSIUM CHLORIDE SOLUTIONS

Potassium Chloride saturated solution RV

for potentiometer electrodes
KCl

M: 74,56 CAS: 7447-40-7 EINECS: 231-211-8 NC: 3104 20 10

1l~1,168kg 1kg~0,856l

Composition:
Potassium Chloride ..... 35 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
281495.1209	250 ml	6

Potassium Chloride 3 mol/l RV

for potentiometer electrodes
KCl

M: 74,56 CAS: 7447-40-7 EINECS: 231-211-8 NC: 3104 20 10

1l~1,105kg 1kg~0,905l

Composition:
Potassium Chloride ..... 22,37 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
282775.1209	250 ml	6

Potassium Chloride 3 mol/l + Silver Chloride RV

for potentiometer electrodes

NC: 3822 00 00

1l~1,161kg 1kg~0,861l

Composition:
Potassium Chloride ..... 22,37 g
Silver Chloride ..... 0,1 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
282923.1209	250 ml	6

Potassium Chloride 1 mol/l (1N) SV

Indicator: Potassium Chromate
KCl

M: 74,56 CAS: 7447-40-7 EINECS: 231-211-8 NC: 3104 20 10

1l~1,05kg 1kg~0,95l

SPECIFICATIONS:

Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
182252.1211	1000 ml	6

Potassium Chloride 0,1 mol/l (0,1N) SV

Indicator: Potassium Chromate
KCl

M: 74,56 CAS: 7447-40-7 EINECS: 231-211-8 NC: 3104 20 10

1l~1,004kg 1kg~0,996l

Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
182251.1211	1000 ml	6

Potassium Chloroplatinate

(see Potassium Hexachloroplatinate(IV))

Potassium Chromate (max. 0,02% Na) (Reag. Ph. Eur.) PA-ACS

K_2CrO_4

M: 194,21 CAS: 7789-00-6 EINECS: 232-140-5 NC: 2841 50 00 UN: 3288

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T N **R: 49-46-36/37/38-43-50/53 S: 53-45-60-61 CE: 024-006-00-8**

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 99,0 %
pH of 5% solution 8,6-9,8

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,003 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,03 %
Al ..... 0,003 %
Ca ..... 0,005 %
Cd ..... 0,005 %
Co ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,002 %
Na ..... 0,02 %
Ni ..... 0,005 %
Pb ..... 0,005 %
Zn ..... 0,005 %

Order code	Package	Units/Box st.
131497.1209	250 g	6
131497.1211	1000 g	6

Potassium Chromate PA

K_2CrO_4

M: 194,21 CAS: 7789-00-6 EINECS: 232-140-5 NC: 2841 50 00 UN: 3288

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T N **R: 49-46-36/37/38-43-50/53 S: 53-45-60-61 CE: 024-006-00-8**

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 99,0 %
pH of 5% solution 8,6-9,8

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,05 %
Al ..... 0,003 %
Ca ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,002 %
Na ..... 0,05 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
121497.1210	500 g	6
121497.1211	1000 g	6
121497.1214	5 kg	4

Potassium Chromate PRS

K_2CrO_4

M: 194,21 CAS: 7789-00-6 EINECS: 232-140-5 NC: 2841 50 00 UN: 3288
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T N **R: 49-46-36/37/38-43-50/53 S: 53-45-60-61 CE: 024-006-00-8**

SPECIFICATIONS:
Assay (Iodom.) 99,0-102,0%
pH of 5% solution 8,6-9,8
Insoluble matter in H_2O ..... 0,025 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,1 %
Al ..... 0,005 %
Ca ..... 0,01 %
Cu ..... 0,005 %
Fe ..... 0,005 %
Pb ..... 0,01 %

Order code	Package	Units/Box st.
141497.1210	500 g P	6
141497.1211	1000 g P	6
141497.1214	5 kg P	4
141497.0416	25 kg PP	

POTASSIUM CHROMATE SOLUTIONS

Potassium Chromate solution 5% w/v RV

for determination of Chloride according to Mohr
K_2CrO_4

M: 194,21 CAS: 7789-00-6 EINECS: 232-140-5 NC: 2841 50 00 UN: 3287
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:

T N **R: 49-46-43-51-53 S: 53-45-60-61 CE: 024-006-00-8**

1l~1,041kg 1kg~0,961l
Composition:
Potassium Chromate ..... 5 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
281498.1209	250 ml P	6

Potassium Chromate solution 10% w/v RV

for determination of chloride according to Mohr
K_2CrO_4

M: 194,21 CAS: 7789-00-6 EINECS: 232-140-5 NC: 2841 50 00 UN: 3287
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:

T N **R: 49-46-43-51-53 S: 53-45-60-61 CE: 024-006-00-8**

1l~1,078kg 1kg~0,928l
SPECIFICATIONS:
Composition:
Potassium Chromate ..... 10,4 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
281499.1209	250 ml P	6

Potassium and Chromium(III) Sulphate

(see Chromium(III) Potassium Sulphate 12-hydrate)

Potassium Citrate tri-Basic

(see tri-Potassium Citrate 1-hydrate)

tri-Potassium Citrate 1-hydrate PA

$K_3C_6H_5O_7.H_2O$

M: 324,42 CAS: 6100-05-6 EINECS: 212-755-5 NC: 2918 15 00
SPECIFICATIONS:
Minimum assay (Perchl. Ac.) ..... 99,0 %
pH of 5% solution 7,5-9,0
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,003 %
Darkened substances by H_2SO_4 ..... p/t.
Reducing substances ..... p/t.
Chloride (Cl) ..... 0,001 %
Oxalate (C_2O_4) ..... 0,01 %
Sulphate (SO_4) ..... 0,005 %
Ammonium (NH_4) ..... 0,001 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00004 %
Cu ..... 0,00005 %
Fe ..... 0,0005 %
Na ..... 0,1 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
121492.1210	500 g P	6
121492.1211	1000 g P	6
121492.1214	5 kg P	4
121492.0416	25 kg PP	

tri-Potassium Citrate 1-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$K_3C_6H_5O_7.H_2O$

M: 324,42 CAS: 6100-05-6 EINECS: 212-755-5 NC: 2918 15 00
SPECIFICATIONS:
Assay (Perchl. Ac.) calc. a.a.s 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 7,5-9,0
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,025 %
Loss on drying at 180°C ..... 3,0-6,0 %
Residual solvents (Ph.Eur./USP) ..... p/t
Darkened substances by H_2SO_4 ..... p/t.
Acidity or alkalinity ..... p/t.
Water (H_2O) ..... 4,0-7,0 %
Chloride (Cl) ..... 0,005 %
Oxalate (C_2O_4) ..... 0,03 %
Sulphate (SO_4) ..... 0,01 %
Tartrate ($C_4H_4O_6$) ..... p/t.
Ammonium (NH_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
Na ..... 0,3 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141492.1210	500 g P	6
141492.1211	1000 g P	6
141492.0914	5 kg PP	
141492.0416	25 kg PP	

tri-Potassium Citrate 1-hydrate (E-332ii, F.C.C.) ADITIO

$K_3C_6H_5O_7.H_2O$

M: 324,42 CAS: 6100-05-6 EINECS: 212-755-5 NC: 2918 15 00
SPECIFICATIONS:
Assay (as $C_6H_5K_3O_7$) after drying 99,0-100,5%
Alkalinity ..... p/t.
Arsenic (as As), not more than ..... 1 ppm
Loss on drying ..... 3,0-6,0 %
Oxalate (as oxalic acid) a.d.s., not more than ..... 0,01 %
pH of 5% solution 7,5-9,0
Lead, not more than ..... 1 ppm
Heavy metals (as Pb), not more than ..... 5 ppm
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201492.0914	5 kg PP	
201492.0416	25 kg PP	

Potassium Cyanate, 97% PS

KOCN

M: 81,11 CAS: 590-28-3 EINECS: 209-676-3 NC: 2842 90 80
HAZARDOUS:

Xn **R: 22 S: 24/25 CE: 615-016-00-9**

SPECIFICATIONS:
Minimum assay (Arg.) ..... 97 %*
Cyanide ..... p/t.
*At the moment of the batch analysis

Order code	Package	Units/Box st.
15A854.1210	500 g P	6
15A854.1211	1000 g P	6
15A854.0914	5 kg PP	

SV

Soluciones valoradas
Volumetric solutions
Solutions volumétriques

Potassium Cyanide (Reag. Ph. Eur.) PA-ACS-ISO

KCN

M: 65,12 CAS: 151-50-8 EINECS: 205-792-3 NC: 2837 19 00 UN: 1680
IMDG: 6.1/I ADR: 6.1/I IATA: 6.1/I PAX: 606 CAO: 607

HAZARDOUS:

T+ N

R: 26/27/28-32-50/53 S: 7-28a-29-45-60-61 CE: 006-007-00-5

SPECIFICATIONS:

Minimum assay (Arg.) ..... 97,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Chloride (Cl) ..... 0,05 %
Phosphate (PO_4) ..... 0,005 %
Sulphate (SO_4) ..... 0,02 %
Sulphide (S) ..... 0,001 %
Thiocyanate (SCN) ..... 0,01 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Hg	5	Sb	5
As	10	In	5	Se	5
Bi	5	Li	5	Si	10
Ca	10	Mg	5	Sn	5
Fe	100	Na	5000	Zn	200
Ge	10	Pb	2		

Order code	Package	Units/Box st.
131491.1209	250 g	6
131491.1211	1000 g	6

Potassium Cyanide PRS

KCN

M: 65,12 CAS: 151-50-8 EINECS: 205-792-3 NC: 2837 19 00 UN: 1680
IMDG: 6.1/I ADR: 6.1/I IATA: 6.1/I PAX: 606 CAO: 607

HAZARDOUS:

T+ N

R: 26/27/28-32-50/53 S: 7-28a-29-45-60-61 CE: 006-007-00-5

SPECIFICATIONS:

Assay (Arg.) ..... 96 %
Insoluble matter in H_2O ..... 0,02 %
Chloride (Cl) ..... 0,1 %
Phosphate (PO_4) ..... 0,02 %
Sulphate (SO_4) ..... 0,05 %
Sulphide (S) ..... 0,005 %
Thiocyanate (SCN) ..... 0,05 %
Fe ..... 0,05 %
Na ..... 0,5 %
Pb ..... 0,001 %
Zn ..... 0,05 %

Order code	Package	Units/Box st.
141491.1209	250 g	6
141491.1211	1000 g	6
141491.1214	5 kg	4
141491.0716	25 kg	

Potassium Dichromate (Reag. Ph. Eur.) EQP-ISO

Primary Chemical Matter

$K_2Cr_2O_7$

M: 294,19 CAS: 7778-50-9 EINECS: 231-906-6 NC: 2841 50 00 UN: 3288
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T+ N O

R: 45-46-60-61-8-E21-E25-E26-34-42/43-E48/23-50/53
S: 53-45-60-61 CE: 024-002-00-6

SPECIFICATIONS:

Assay (Iodom.) after drying at 130°C 99,95-100,05%
pH of 5% sol. 3,7-3,9

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,003 %
Suitability for COD determination according to UNE 77-004-89 ..... p/t.
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,01 %
Ca ..... 0,002 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Na ..... 0,02 %
Ni ..... 0,0005 %
Pb ..... 0,001 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
241500.1521	10 x 1,5 g	6
241500.1608	100 g	6

Potassium Dichromate (max. 0,000005% Hg) PA-ACS-ISO

$K_2Cr_2O_7$

M: 294,19 CAS: 7778-50-9 EINECS: 231-906-6 NC: 2841 50 00 UN: 3288
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T+ N O

R: 45-46-60-61-8-E21-E25-E26-34-42/43-E48/23-50/53
S: 53-45-60-61 CE: 024-002-00-6

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 99,5 %
pH of 5% solution 3,7-3,9

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,003 %
Loss on drying at 105°C ..... 0,05 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,005 %
Ca ..... 0,002 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Hg ..... 0,000005 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Na ..... 0,02 %
Ni ..... 0,0005 %
Pb ..... 0,001 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
471500.1210	500 g	6

Potassium Dichromate PA-ACS-ISO

$K_2Cr_2O_7$

M: 294,19 CAS: 7778-50-9 EINECS: 231-906-6 NC: 2841 50 00 UN: 3288
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T+ N O

R: 45-46-60-61-8-E21-E25-E26-34-42/43-E48/23-50/53
S: 53-45-60-61 CE: 024-002-00-6

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 99,5 %
pH of 5% solution 3,7-3,9

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,003 %
Loss on drying at 105°C ..... 0,05 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,005 %
Ca ..... 0,002 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Na ..... 0,02 %
Ni ..... 0,0005 %
Pb ..... 0,001 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131500.1209	250 g	6
131500.1210	500 g	6
131500.1211	1000 g	6
131500.1214	5 kg	4
131500.0416	25 kg	

Potassium Dichromate PRS

$K_2Cr_2O_7$

M: 294,19 CAS: 7778-50-9 EINECS: 231-906-6 NC: 2841 50 00 UN: 3288
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T+ N O

R: 45-46-60-61-8-E21-E25-E26-34-42/43-E48/23-50/53
S: 53-45-60-61 CE: 024-002-00-6

SPECIFICATIONS:

Assay (Iodom.) ..... 99 %
pH of 5% solution 3,7-4,0
Insoluble matter in H_2O ..... 0,01 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,05 %
Ca ..... 0,01 %
Fe ..... 0,005 %

Order code	Package	Units/Box st.
141500.1210	500 g	6
141500.1211	1000 g	6
141500.1214	5 kg	4
141500.0416	25 kg	

POTASSIUM DICHROMATE SOLUTIONS

Potassium Dichromate solution 10% RE

for preserving milk samples. (3 drops for 50 ml)
$K_2Cr_2O_7$
M: 249,19 CAS: 7778-50-9 EINECS: 231-906-6 NC: 2841 50 00 UN: 3287
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:
T+ N
R: 45-46-60-61-E22-E26-34-42/43-E48/23-51/53
S: 53-45-60-61 CE: 024-002-00-6
1l~1,070kg 1kg~0,935l
SPECIFICATIONS:
Assay (Yodom.).....10± 0,5 %

Order code	Package	Units/Box st.
173609.1209	250 ml	6

Potassium Dichromate 0,02 mol/l (0,02M) RE

for determination of COD according to DIN 38 409-H
$K_2Cr_2O_7$
M: 294,19 CAS: 7778-50-9 EINECS: 231-906-6 NC: 2841 50 00 UN: 3287
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:
T
R: 45-46-60-61-E20-42/43-52/53 S: 53-45-60-61 CE: 024-002-00-6
1l~1,004kg 1kg~0,996l
Composition:
Potassium Dichromate.....590 mg
Water s.q.m.....100 ml

Order code	Package	Units/Box st.
174290.1611	1000 ml	6

Potassium Dichromate 0,02 mol/l with 80 g/l of Mercury(II) Sulphate SV

for determination of COD
NC: 3822 00 00 UN: 3289
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:
T+ N
R: 49-46-43-E26/27/28-33-36/38-51/53
S: 13-28a-36/37-45-53-60-61
1l~1,18kg 1kg~0,85l
SPECIFICATIONS:
Titer.....1,000±0,001

Order code	Package	Units/Box st.
185836.1611	1000 ml	6
185836.1612	2,5 l	4

Potassium Dichromate 0,04 mol/l with 80 g/l of Mercury(II) Sulphate SV

for determination of COD according to NFT 90-101
NC: 3822 00 00 UN: 3289
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:
T+ N
R: 49-46-43-E26/27/28-33-36/38-51/53
S: 13-28a-36/37-45-53-60-61
1l~1,189kg 1kg~0,841l
SPECIFICATIONS:
Titer.....1,000±0,001

Order code	Package	Units/Box st.
184385.1611	1000 ml	6

Potassium Dichromate 1/60 mol/l (0,1N) SV

Indicator: Starch
$K_2Cr_2O_7$
M: 294,19 CAS: 7778-50-9 EINECS: 231-906-6 NC: 2841 50 00 UN: 3287
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:
T
R: 45-46-E20-42/43-52/53 S: 53-45-60-61 CE: 024-002-00-6
1l~1,004kg 1kg~0,996l
SPECIFICATIONS:
Titer.....1,000 ±0,001

Order code	Package	Units/Box st.
181502.1611	1000 ml	6

Potassium Dichromate $^{1}/_{60}$ mol (4,903g $K_2Cr_2O_7$) to prepare 1l of 0,1N solution SVc

$K_2Cr_2O_7$
M: 294,19 CAS: 7778-50-9 EINECS: 231-906-6 NC: 2841 50 00 UN: 3287
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:
T N
R: 45-46-60-61-E22-E26-36/37/38-42/43-E48/20-51/53
S: 53-45-60-61 CE: 024-002-00-6
SPECIFICATIONS:
Titer.....1,000 ±0,002

Order code	Package	Units/Box st.
303120.1920	1 ampoule	6

Potassium Dichromate 1/24 mol/l (0,25N) SV

Indicator: Starch
$K_2Cr_2O_7$
M: 294,19 CAS: 7778-50-9 EINECS: 231-906-6 NC: 2841 50 00 UN: 3287
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:
T
R: 45-46-60-61-E23-42/43-E48/20-52/53 S: 53-45-60-61
CE: 024-002-00-6
1l~1,008kg 1kg~0,992l
SPECIFICATIONS:
Titer.....1,000 ±0,001

Order code	Package	Units/Box st.
182142.1611	1000 ml	6

Potassium Dichromate 1/6 mol/l (1N) SV

Indicator: Starch
$K_2Cr_2O_7$
M: 294,19 CAS: 7778-50-9 EINECS: 231-906-6 NC: 2841 50 00 UN: 3287
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:
T N
R: 45-46-60-61-E22-E23-42/43-E48/20-51/53 S: 53-45-60-61
CE: 024-002-00-6
1l~1,034kg 1kg~0,967l
SPECIFICATIONS:
Titer.....1,000 ±0,001

Order code	Package	Units/Box st.
181501.1611	1000 ml	6

Potassium Dichromate in tablets of 0,1g PA

for preserving milk samples
NC: 3822 00 00 UN: 3288
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:
T+ N
R: 45-46-60-61-E21-E25-E26-34-42/43-E48/23-50/53
S: 53-45-60-61 CE: 024-002-00-6
Each tablet containing:
0,033 g of Potassium Dichromate
0,067 g of Potassium Chloride

Order code	Package	Units/Box st.	
123246.1209	250 g	6	(1)
123246.1210	500 g	6	(2)

Potassium Dioxalate mono-Basic

(see Potassium tetra-Oxalate 2-hydrate)

tetra-Potassium Diphosphate

(see tetra-Potassium Pyrophosphate anhydrous)

(1) 2500 tablets of 0,1 g
(2) 5000 tablets of 0,1 g

Potassium Disulphite PA

$K_2S_2O_5$

M: 222,33 CAS: 16731-55-8 EINECS: 240-795-3 NC: 2832 20 00

HAZARDOUS:

Xi **R: 31-36/37 S: 26**

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 96,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,0002 %
Thiosulphate (S_2O_3) ..... 0,05 %
As ..... 0,0001 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
121522.1610	500 g	6
121522.1611	1000 g	6
121522.1214	5 kg	4
121522.0416	25 kg	

Potassium Disulphite (USP-NF, BP, Ph. Eur.) PRS-CODEX

$K_2S_2O_5$

M: 222,33 CAS: 16731-55-8 EINECS: 240-795-3 NC: 2832 20 00

HAZARDOUS:

Xi **R: 31-36/37 S: 26**

SPECIFICATIONS:

Assay (Iodom.)(as $K_2S_2O_5$) ..... 95,0-100 %
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 3,0-4,5

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,025 %
Residual solvents (Ph.Eur./USP) ..... p/t
Chloride (Cl) ..... 0,025 %
Phosphate (PO_4) ..... 0,001 %
Thiosulphate (S_2O_3) ..... p/t.
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0003 %
Fe ..... 0,001 %
Se ..... 0,001 %
Zn ..... 0,0025 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141522.1610	500 g	6
141522.1611	1000 g	6
141522.1214	5 kg	4
141522.0416	25 kg	

Potassium Disulphite (E-224, F.C.C.) ADITIO

$K_2S_2O_5$

M: 222,33 CAS: 16731-55-8 EINECS: 240-795-3 NC: 2832 20 00

HAZARDOUS:

Xi **R: 31-36/37 S: 26**

SPECIFICATIONS:

Assay (as $K_2S_2O_5$), not less than ..... 95 %
Assay (as SO_2), not less than ..... 54,7 %
Thiosulphate, not more than ..... 0,05 %
Arsenic (as As), not more than ..... 3 ppm
Heavy metals (as Pb), not more than ..... 10 ppm
Iron, not more than ..... 10 ppm
Selenium, not more than ..... 5 ppm
Lead, not more than ..... 2 ppm
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201522.1214	5 kg	4
201522.0416	25 kg	

Potassium Edetate

(see Ethylenediaminetetraacetic Acid Dipotassium Salt 2-hydrate)

Potassium O-Ethyldithiocarbonate PA

$KSSCOC_2H_5$

M: 160,30 CAS: 140-89-6 EINECS: 205-439-3 NC: 2930 20 00

HAZARDOUS:

Xn **R: 22-36 S: 22-26**

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 98,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,05 %
Alkalinity ..... p/t.
Chloride (Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,1 %

Order code	Package	Units/Box st.
121539.1610	500 g	6
121539.0914	5 kg	
121539.0416	25 kg	

Potassium O-Ethyldithiocarbonate, 98% PS

$KSSCOC_2H_5$

M: 160,30 CAS: 140-89-6 EINECS: 205-439-3 NC: 2930 20 00

HAZARDOUS:

Xn **R: 22-36 S: 22-26**

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 98 %

Order code	Package	Units/Box st.
161539.1210	500 g	6

Potassium Ethylxanthate

(see Potassium O-Ethyldithiocarbonate)

Potassium Ethylxanthogenate

(see Potassium O-Ethyldithiocarbonate)

Potassium Ferrocyanide

(see Potassium Hexacyanoferrate(II))

Potassium Ferricyanide

(see Potassium Hexacyanoferrate(III))

Potassium Fluoride PRS

KF

M: 58,10 CAS: 7789-23-3 EINECS: 232-151-5 NC: 2826 19 90 UN: 1812
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T **R: 23/24/25 S: 26-45 CE: 009-005-00-2**

SPECIFICATIONS:

Assay (Acidim.) ..... 99 %
Insoluble matter in H_2O ..... 0,01 %
Acidity (as HF) ..... 0,1 %
Alkalinity (as KOH) ..... 0,1 %
Sulphite (SO_3) ..... 0,01 %
Cu ..... 0,003 %
Fe ..... 0,002 %
Ni ..... 0,003 %
Pb ..... 0,003 %

Order code	Package	Units/Box st.
141976.1210	500 g	6
141976.1211	1000 g	6
141976.0914	5 kg	
141976.0416	25 kg	

Potassium Formate PRS

HCOOK

M: 84,12 CAS: 590-29-4 EINECS: 209-677-9 NC: 2915 12 00

SPECIFICATIONS:

Assay (Perm.) ..... 99 %
pH of 5% solution 6,0-8,5
Insoluble matter in H_2O ..... 0,025 %
Acidity (as HCOOH) ..... 0,15 %
Chloride (Cl) ..... 0,03 %
Sulphate (SO_4) ..... 0,01 %
Cu ..... 0,002 %
Fe ..... 0,001 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141508.1210	500 g	6
141508.0914	5 kg	
141508.0416	25 kg	

Potassium Hexachloroplatinate(IV) (Reag. USP) PA

$K_2[PtCl_6]$

M: 486,01 CAS: 16921-30-5 EINECS: 240-979-3 NC: 2843 90 90 UN: 3288
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T **R: 25-36/37-42/43 S: 22-24-37-45**

SPECIFICATIONS:
Minimum assay (as Pt) ..... 40 %

Order code	Package	Units/Box st.
125507.1603	1 g	6

Potassium Hexacyanoferrate(II) 3-hydrate (Reag. Ph. Eur.) PA-ACS-ISO

$K_4Fe(CN)_6.3H_2O$

M: 422,41 CAS: 14459-95-1 EINECS: 237-722-2 NC: 2837 20 00
SPECIFICATIONS:
Assay (Perm.) 99,0-102,0%
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,005 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,001 %
Cr ..... 0,005 %
Cu ..... 0,002 %
Mg ..... 0,001 %
Mn ..... 0,0005 %
Na ..... 0,02 %
Ni ..... 0,0005 %
Pb ..... 0,002 %
Zn ..... 0,002 %

Order code	Package	Units/Box st.
131505.1210	500 g	6
131505.1211	1000 g	6
131505.1214	5 kg	4
131505.0416	25 kg	

Potassium Hexacyanoferrate(II) 3-hydrate PRS

$K_4Fe(CN)_6.3H_2O$

M: 422,41 CAS: 14459-95-1 EINECS: 237-722-2 NC: 2837 20 00
SPECIFICATIONS:
Assay (Perm.) ..... 98 %
Insoluble matter in H_2O ..... 0,025 %
Chloride (Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,01 %

Order code	Package	Units/Box st.
141505.1210	500 g	6
141505.1211	1000 g	6
141505.1214	5 kg	4
141505.0416	25 kg	

Potassium Hexacyanoferrate(II) 3-hydrate (E-536) ADITIO

$K_4Fe(CN)_6.3H_2O$

M: 422,41 CAS: 14459-95-1 EINECS: 237-722-2 NC: 2837 20 00
SPECIFICATIONS:
Assay (in $K_4[Fe(CN)_6].3H_2O$), not less than ..... 99,0 %
Chloride, not more than ..... 0,2 %
Sulphate, not more than ..... 0,1 %
Insoluble matter in H_2O, not more than ..... 0,03 %
Hydrogen Cyanide and Cyanides ..... p/t.
Free moisture ..... 1,0 %
Ferricyanide ..... p/t.
Lead, not more than ..... 5 ppm
Specifications Dir. 2008/84/EC

Order code	Package	Units/Box st.
201505.1214	5 kg	4
201505.0416	25 kg	

Potassium Hexacyanoferrate(II) solution 10% w/v RE

for determination of Fe
$K_4[Fe(CN)_6]$

M: 368,37 CAS: 14459-95-1 EINECS: 237-722-2 NC: 2837 20 00
1l~1,060kg 1kg~0,943l
Composition:
Potassium Hexacyanoferrate(II) 3-hydrate ..... 13 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
171507.1209	250 ml	6

Potassium Hexacyanoferrate(II) solution 10% w/v VINIKIT

for determination of Fe
$K_4[Fe(CN)_6]$

M: 368,37 CAS: 14459-95-1 EINECS: 237-722-2 NC: 2837 20 00
1l~1,060kg 1kg~0,943l
Composition:
Potassium Hexacyanoferrate(II) 3-hydrate ..... 13 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
621507.1209	250 ml	6

Potassium Hexacyanoferrate(III) (Reag. Ph. Eur.) PA-ACS

$K_3[Fe(CN)_6]$

M: 329,26 CAS: 13746-66-2 EINECS: 237-323-3 NC: 2837 20 00
SPECIFICATIONS:
Minimum assay (Iodom.) ..... 99,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,01 %
Hexacyanoferrate(II) $[Fe(CN)_6]$ ..... 0,05 %
Sulphate (SO_4) ..... 0,01 %

Order code	Package	Units/Box st.
131503.1210	500 g	6
131503.1211	1000 g	6
131503.1214	5 kg	4
131503.0416	25 kg	

Potassium Hexacyanoferrate(III) PRS

$K_3[Fe(CN)_6]$

M: 329,26 CAS: 13746-66-2 EINECS: 237-323-3 NC: 2837 20 00
SPECIFICATIONS:
Assay (Iodom.) ..... 98 %
Insoluble matter in H_2O ..... 0,025 %
Chloride (Cl) ..... 0,06 %
Sulphate (SO_4) ..... 0,02 %

Order code	Package	Units/Box st.
141503.1210	500 g	6
141503.1211	1000 g	6
141503.1214	5 kg	4
141503.0416	25 kg	

Potassium Hexacyanoferrate(III) 0,1 mol/l (0,1N) SV

Indicator: Starch
$K_3[Fe(CN)_6]$

M: 329,26 CAS: 13746-66-2 EINECS: 237-323-3 NC: 2837 20 00
1l~1,017kg 1kg~0,983l
SPECIFICATIONS:
Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
181504.1611	1000 ml	6

Potassium Hexafluorophosphate QP

KPF_6

M: 184,07 CAS: 17084-13-8 EINECS: 241-143-0 NC: 2835 29 90 UN: 3260
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C **R: 20/21/22-34 S: 26-27-36/37/39**

SPECIFICATIONS:
Minimum assay ..... 99 %

Order code	Package	Units/Box st.
215756.1209	250 g	6

Potassium Hydrogen Carbonate PA

$KHCO_3$

M: 100,12 CAS: 298-14-6 EINECS: 206-059-0 NC: 2836 40 00

SPECIFICATIONS:

Assay (Acidim.) ..... 99,5-101 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Nitrogen compounds (as N) ..... 0,0005 %
Sulphur compounds (as SO_4) ..... 0,003 %
Chloride (Cl) ..... 0,001 %
Phosphate (PO_4) ..... 0,0005 %
Heavy metals (as Pb) ..... 0,0005 %
Al ..... 0,001 %
As ..... 0,00004 %
Ca ..... 0,001 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Mg ..... 0,001 %
Mn ..... 0,0005 %
Na ..... 0,03 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
121480.1210	500 g	6
121480.1211	1000 g	6
121480.0416	25 kg	

Potassium Hydrogen Carbonate (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$KHCO_3$

M: 100,12 CAS: 298-14-6 EINECS: 206-059-0 NC: 2836 40 00

SPECIFICATIONS:

Assay (Acidim.) 99,5-101,0%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,01 %
Loss on drying ..... 0,3 %
Residual solvents (Ph.Eur./USP) ..... p/t
Nitrogen compounds (as N) ..... 0,0015 %
Sulphur compounds (as SO_4) ..... 0,005 %
Carbonate (as K_2CO_3) ..... 2,5 %
Carbonate (Ph. Eur.) ..... p/t.
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,001 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0002 %
Ca ..... 0,01 %
Fe ..... 0,001 %
Mg ..... 0,01 %
Na ..... 0,5 %

Complies USP 29 specifications

Order code	Package	Units/Box st.
141480.1210	500 g	6
141480.1211	1000 g	6
141480.1214	5 kg	4
141480.0416	25 kg	

Potassium Hydrogen Carbonate (E-501ii, F.C.C.) ADITIO

$KHCO_3$

M: 100,12 CAS: 298-14-6 EINECS: 206-059-0 NC: 2836 40 00

SPECIFICATIONS:

Assay (as $KHCO_3$) calc. on dried basis ..... 99,0-101,0 %
Loss on drying, not more than ..... 0,25 %
Normal Carbonate ..... p/t.
Arsenic, not more than ..... 3 ppm
Mercury, not more than ..... 1 ppm
Lead, not more than ..... 2 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201480.1214	5 kg	4
201480.0416	25 kg	

Potassium Hydrogen Difluoride, 99% PS

HF_2K

M: 78,10 CAS: 7789-29-9 EINECS: 232-156-2 NC: 2826 19 90 UN: 1811
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 815 CAO: 817

HAZARDOUS:

T C **R: 25-34 S: 22-26-37-45**

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
15A341.1206	25 g	6
15A341.1210	500 g	6

Potassium Hydrogen Diiodate EQP-ACS

Primary Chemical Matter

$KH(IO_3)_2$

M: 389,92 CAS: 13455-24-8 EINECS: 236-650-9 NC: 2829 90 80 UN: 1479
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

HAZARDOUS:

O Xi **R: 8-36/38 S: 26**

SPECIFICATIONS:

Assay (Acidim.) (after dried at 105°C) 99,95-100,05%
Assay (Iodom.) (after dried at 105°C) ..... 99,9-100,1 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Nitrogen compounds (as N) ..... 0,002 %
Bromate, bromide, chlorate, chloride (as Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,005 %
Iodide (I) ..... 0,001 %
Heavy metals (as Pb) ..... 0,001 %
Ca ..... 0,002 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
242697.1521	10 x 1,5 g	6
242697.1608	100 g	6

Potassium Hydrogen Diiodate PRS

$KH(IO_3)_2$

M: 389,92 CAS: 13455-24-8 EINECS: 236-650-9 NC: 2829 90 80 UN: 1479
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

HAZARDOUS:

O Xi **R: 8-36/38 S: 26**

SPECIFICATIONS:

Assay (Iodom.) ..... 99 %
Insoluble matter in H_2O ..... 0,05 %
Bromate, bromide, chlorate and chloride (as Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,01 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
142697.1208	100 g	6

Potassium Hydrogen Iodate

(see Potassium Hydrogen Diiodate)

Potassium Hydrogen Oxalate PRS

$KH(COO)_2$

M: 128,13 CAS: 127-95-7 EINECS: 204-873-0 NC: 2917 11 00

HAZARDOUS:

Xn **R: 22 S: 45**

SPECIFICATIONS:

Assay (Perm.) ..... 99 %
Insoluble matter in H_2O ..... 0,05 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
Ammonium (NH_4) ..... 0,005 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141484.1210	500 g	6
141484.1214	5 kg	4

di-Potassium Hydrogen Phosphate anhydrous (Reag. Ph. Eur.) PA-ACS

K_2HPO_4

M: 174,18 CAS: 7758-11-4 EINECS: 231-834-5 NC: 2835 24 00

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99,0 %
pH of 5% solution 8,5-9,6

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 105°C ..... 1,0 %
Nitrogen compounds (as N) ..... 0,001 %
Chloride (Cl) ..... 0,002 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00005 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Fe	5	Pt	5
Al	5	Ga	5	Sb	5
Au	5	Ge	5	Se	5
B	5	In	5	Sn	5
Be	5	Li	10	Sr	5
Bi	5	Mg	5	Ti	5
Ca	50	Mn	5	V	5
Cd	5	Mo	5	Zn	5
Co	5	Na	500	Zr	5
Cr	5	Ni	5		
Cu	2	Pb	5		

Order code	Package	Units/Box st.
131512.1209	250 g P	6
131512.1211	1000 g P	6

di-Potassium Hydrogen Phosphate anhydrous PA

K_2HPO_4

M: 174,18 CAS: 7758-11-4 EINECS: 231-834-5 NC: 2835 24 00

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99,0 %
pH of 5% solution 8,5-9,6

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 105°C ..... 1,0 %
Nitrogen compounds (as N) ..... 0,002 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Ca ..... 0,005 %
Cd ..... 0,001 %
Co ..... 0,001 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Mg ..... 0,005 %
Mn ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Zn ..... 0,001 %

Order code	Package	Units/Box st.
121512.1210	500 g P	6
121512.1211	1000 g P	6
121512.0914	5 kg PP	
121512.0416	25 kg PP	

di-Potassium Hydrogen Phosphate anhydrous (RFE, BP, Ph. Eur.) PRS-CODEX

K_2HPO_4

M: 174,18 CAS: 7758-11-4 EINECS: 231-834-5 NC: 2835 24 00

SPECIFICATIONS:

Assay (Acidim.) calc. a.d.s. 98,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 8,5-9,6

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,01 %
Loss on drying at 130°C ..... 1,0 %
Residual solvents (Ph.Eur./USP) ..... p/t
Potassium di-Hydrogen Phosphate ..... p/t.
Reducing substances to $KMnO_4$ ..... p/t.
Chloride (Cl) ..... 0,02 %
Fluoride (F) ..... 0,001 %
Sulphate (SO_4) ..... 0,05 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0002 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141512.1210	500 g P	6
141512.1211	1000 g P	6
141512.0914	5 kg PP	
141512.0416	25 kg PP	

di-Potassium Hydrogen Phosphate anhydrous (E-340ii, F.C.C.) ADITIO

K_2HPO_4

M: 174,18 CAS: 7758-11-4 EINECS: 231-834-5 NC: 2835 24 00

SPECIFICATIONS:

Assay (K_2HPO_4) after drying, not less than ..... 98,0 %
pH of 1% solution 8,7-9,4
Arsenic (as As), not more than ..... 3 ppm
Fluoride, not more than ..... 10 ppm
P_2O_5 content ..... 40,3-41,5 %
Loss on drying, not more than ..... 2,0 %
Insoluble substances, not more than ..... 0,2 %
Cadmium, not more than ..... 1 ppm
Lead, not more than ..... 2 ppm
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2002/82/EC, F.C.C. 6

Order code	Package	Units/Box st.
201512.0914	5 kg PP	
201512.0416	25 kg PP	

di-Potassium Hydrogen Phosphate 3-hydrate PA

$K_2HPO_4.3H_2O$

M: 228,22 CAS: 16788-57-1 EINECS: 231-834-5 NC: 2835 24 00

SPECIFICATIONS:

Assay (Acidim.) ..... 98-102 %
pH of 5% solution 8,5-9,6

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Nitrogen compounds (as N) ..... 0,001 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,005 %
As ..... 0,00005 %
Ca ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Mg ..... 0,005 %
Na ..... 0,1 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
122333.1210	500 g P	6
122333.1211	1000 g P	6
122333.1214	5 kg P	4
122333.0416	25 kg PP	

di-Potassium Hydrogen Phosphate 3-hydrate PRS

$K_2HPO_4.3H_2O$

M: 228,22 CAS: 16788-57-1 EINECS: 231-834-5 NC: 2835 24 00

SPECIFICATIONS:

Assay (Acidim.) ..... 98-102 %
pH of 5% solution 8,5-9,6
Insoluble matter in H_2O ..... 0,01 %
Nitrogen compounds (as N) ..... 0,005 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
As ..... 0,0005 %
Cu ..... 0,003 %
Fe ..... 0,003 %
Ni ..... 0,003 %
Pb ..... 0,003 %

Order code	Package	Units/Box st.
142333.1210	500 g P	6
142333.1211	1000 g P	6
142333.1214	5 kg P	4
142333.0416	25 kg PP	

di-Potassium Hydrogen Phosphate 3-hydrate (E-340ii) ADITIO

$K_2HPO_4.3H_2O$

M: 228,22 CAS: 16788-57-1 EINECS: 231-834-5 NC: 2835 24 00

SPECIFICATIONS:

Assay ($K_2HPO_4.3H_2O$), not less than ..... 98 %
pH of 1% solution 8,7-9,4
Arsenic (as As), not more than ..... 3 ppm
Fluoride, not more than ..... 10 ppm
Insoluble substances, not more than ..... 0,2 %
Heavy metals (as Pb), not more than ..... 0,001 %
Lead, not more than ..... 5 ppm
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 96/77/CE

Order code	Package	Units/Box st.
202333.0416	25 kg PP	

Potassium di-Hydrogen Phosphate PA-ACS

KH_2PO_4

M: 136,09 CAS: 7778-77-0 EINECS: 231-913-4 NC: 2835 24 00

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99,0 %
pH of 5% solution 4,2-4,5

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Loss on drying at 105°C ..... 0,2 %
Nitrogen compounds (as N) ..... 0,001 %
Chloride (Cl) ..... 0,0005 %
Sulphate (SO_4) ..... 0,003 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00005 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Cu	5	Sb	5
Al	5	Fe	10	Se	5
Au	5	Ga	5	Si	5
B	5	Ge	5	Sr	5
Ba	5	In	5	Ti	5
Be	5	Mg	5	Tl	5
Bi	5	Mn	5	V	5
Ca	50	Mo	5	Zn	5
Cd	5	Na	50	Zr	5
Co	5	Ni	5		
Cr	5	Pb	5		

Order code	Package	Units/Box st.
131509.1210	500 g	6
131509.1211	1000 g	6
131509.1214	5 kg	4
131509.0416	25 kg	

Potassium di-Hydrogen Phosphate PA

KH_2PO_4

M: 136,09 CAS: 7778-77-0 EINECS: 231-913-4 NC: 2835 24 00

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99,0 %
pH of 5% solution 4,2-4,5

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Loss on drying at 105°C ..... 0,2 %
Nitrogen compounds (as N) ..... 0,002 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0001 %
Ca ..... 0,01 %
Cd ..... 0,001 %
Co ..... 0,001 %
Cu ..... 0,001 %
Fe ..... 0,002 %
Mg ..... 0,001 %
Mn ..... 0,001 %
Na ..... 0,05 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Zn ..... 0,001 %

Order code	Package	Units/Box st.
121509.1210	500 g	6
121509.1211	1000 g	6
121509.1214	5 kg	4
121509.0416	25 kg	

Potassium di-Hydrogen Phosphate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

KH_2PO_4

M: 136,09 CAS: 7778-77-0 EINECS: 231-913-4 NC: 2835 24 00

SPECIFICATIONS:

Assay (Acidim.) calc. a.d.s. 98,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 4,2-4,5

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,2 %
Loss on drying at 130°C ..... 1,0 %
Residual solvents (Ph.Eur./USP) ..... p/t
Reducing substances ..... p/t.
Chloride (Cl) ..... 0,02 %
Fluoride (F) ..... 0,001 %
Sulphate (SO_4) ..... 0,03 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,0005 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141509.1210	500 g	6
141509.1211	1000 g	6
141509.1214	5 kg	4
141509.0416	25 kg	

Potassium di-Hydrogen Phosphate (E-340i, F.C.C.) ADITIO

KH_2PO_4

M: 136,09 CAS: 7778-77-0 EINECS: 231-913-4 NC: 2835 24 00

SPECIFICATIONS:

Assay (as KH_2PO_4) after drying, not less than ..... 98,0 %
Arsenic (as As), not more than ..... 3 ppm
pH of 1% solution 4,2-4,8
Fluoride, not more than ..... 10 ppm
Insoluble substances as an. subs., not more than ..... 0,2 %
P_2O_5 content ..... 51,0-53,0 %
Loss on drying, not more than ..... 1 %
Cadmium (Cd), not more than ..... 1 ppm
Lead, not more than ..... 2 ppm
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2002/82/EC, F.C.C. 6

Order code	Package	Units/Box st.
201509.1214	5 kg	4
201509.0416	25 kg	

Potassium di-Hydrogen Phosphate 1/15 mol/l (1/15M) RV

buffer stock solution

KH_2PO_4

M: 136,09 CAS: 7778-77-0 EINECS: 231-913-4 NC: 2835 24 00

1l~1,001kg 1kg~0,999l

SPECIFICATIONS:

pH solution 4,5-4,7

Order code	Package	Units/Box st.
285831.1211	1000 ml	6

Potassium Hydrogen Phthalate EQP-ACS-ISO

Primary Chemical Matter

$C_6H_4COOHCOOK$

M: 204,23 CAS: 877-24-7 EINECS: 212-889-4 NC: 2917 39 80

SPECIFICATIONS:

Assay (Acidim.)(after drying at 105°C) 99,95-100,05%
Identity ..... IR p/t.
pH sol. 0,05 mol/l to 25±0,2°C 4,00-4,02

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,003 %
Cl compounds (as Cl) ..... 0,003 %
Nitrogen compounds (as N) ..... 0,001 %
Sulphur compounds (as S) ..... 0,002 %
Chloride (Cl) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %
Ca ..... 0,001 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,001 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Mg ..... 0,001 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
241481.1521	10 x 1,5 g	6
241481.1608	100 g	6

Potassium Hydrogen Phthalate PA-ISO

$C_6H_4COOHCOOK$

M: 204,23 CAS: 877-24-7 EINECS: 212-889-4 NC: 2917 39 80

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99,5 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,003 %
Loss on drying at 110°C ..... 0,05 %
Nitrogen compounds (as N) ..... 0,001 %
Sulphur compounds (as S) ..... 0,002 %
Chloride (Cl) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %
Ca ..... 0,001 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,001 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Mg ..... 0,001 %
Mn ..... 0,0005 %
Na ..... 0,01 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131481.1210	500 g	6
131481.1211	1000 g	6
131481.0914	5 kg	
131481.0416	25 kg	

Potassium Hydrogen Phthalate PRS

$C_6H_4COOHCOOK$

M: 204,23 CAS: 877-24-7 EINECS: 212-889-4 NC: 2917 39 80

SPECIFICATIONS:

Assay (Perchl. Ac.).....99-101 %
Identity.....IR p/t.
Insoluble matter in H_2O.....0,01 %
Loss on drying at 110°C.....0,3 %
Nitrogen compounds (as N).....0,005 %
Chloride (Cl).....0,003 %
Cu.....0,002 %
Fe.....0,002 %
Ni.....0,002 %
Pb.....0,002 %

Order code	Package	Units/Box st.
141481.1210	500 g P	6
141481.1211	1000 g P	6
141481.0914	5 kg PP	
141481.0416	25 kg PP	

Potassium Hydrogen Sulphate PA

$KHSO_4$

M: 136,17 CAS: 7646-93-7 EINECS: 231-594-1 NC: 2833 29 90 UN: 2509
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 815 CAO: 817

HAZARDOUS:

C

R: 34-37 S: 26-36/37/39-45 CE: 016-056-00-4

SPECIFICATIONS:

Minimum assay (Acidim.).....96 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in NH_4OH.....0,01 %
Chloride (Cl).....0,001 %
Phosphate (PO_4).....0,001 %
Nitrate (NO_3).....0,001 %
As.....0,0001 %
Ca.....0,005 %
Cu.....0,001 %
Fe.....0,001 %
Mg.....0,005 %
Ni.....0,001 %
Pb.....0,001 %

Order code	Package	Units/Box st.
121485.1210	500 g P	6
121485.1211	1000 g P	6
121485.1214	5 kg P	4
121485.0416	25 kg PP	

Potassium Hydrogen Sulphate PRS

$KHSO_4$

M: 136,17 CAS: 7646-93-7 EINECS: 231-594-1 NC: 2833 29 90 UN: 2509
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 815 CAO: 817

HAZARDOUS:

C

R: 34-37 S: 26-36/37/39-45 CE: 016-056-00-4

SPECIFICATIONS:

Assay (Acidim.).....95 %
Chloride (Cl).....0,005 %
Phosphate (PO_4).....0,005 %
Nitrate (NO_3).....0,005 %
As.....0,0005 %
Ca.....0,01 %
Cu.....0,005 %
Fe.....0,005 %
Mg.....0,01 %
Ni.....0,01 %
Pb.....0,005 %

Order code	Package	Units/Box st.
141485.1210	500 g P	6
141485.1211	1000 g P	6
141485.1214	5 kg P	4
141485.0416	25 kg PP	

Potassium Hydrogen Tartrate PA

$(COO)_2KH(CHOH)_2$

M: 188,18 CAS: 868-14-4 EINECS: 212-769-1 NC: 2918 13 00

SPECIFICATIONS:

Minimum assay (Acidim.).....99,0 %
pH of 0,5% solution.....3,5-3,8

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O.....0,01 %
Soluble matter in C_2H_5OH.....0,1 %
Loss on drying at 110°C.....0,2 %
Chloride (Cl).....0,001 %
Phosphate (PO_4).....0,001 %
Sulphate (SO_4).....0,01 %
Ammonium (NH_4).....0,005 %
Heavy metals (as Pb).....0,001 %
As.....0,0001 %
Ca.....0,005 %
Cu.....0,001 %
Fe.....0,001 %
Ni.....0,001 %
Pb.....0,001 %

Order code	Package	Units/Box st.
121486.1210	500 g P	6
121486.0914	5 kg PP	

Potassium Hydrogen Tartrate PRS

$(COO)_2KH(CHOH)_2$

M: 188,18 CAS: 868-14-4 EINECS: 212-769-1 NC: 2918 13 00

SPECIFICATIONS:

Assay (Acidim.).....99 %
pH of 0,5% solution.....3,0-3,8
Insoluble matter in H_2O.....0,025 %
Loss on drying at 110°C.....0,1 %
Chloride (Cl).....0,005 %
Phosphate (PO_4).....0,005 %
Sulphate (SO_4).....0,05 %
Ammonium (NH_4).....0,025 %
Heavy metals (as Pb).....0,002 %
As.....0,0001 %
Ca.....0,01 %
Cu.....0,002 %
Fe.....0,003 %
Ni.....0,002 %
Pb.....0,002 %

Order code	Package	Units/Box st.
141486.1210	500 g P	6
141486.1211	1000 g P	6
141486.0914	5 kg PP	
141486.0416	25 kg PP	

Potassium Hydrogen Tartrate (E-336i, F.C.C.) ADITIO

$(COO)_2KH(CHOH)_2$

M: 188,18 CAS: 868-14-4 EINECS: 212-769-1 NC: 2918 13 00

SPECIFICATIONS:

Assay ($C_4H_5KO_6$) after drying.....99,0-101,0%
pH of 1% solution.....3,2-3,6
Ammonia.....p/t.
Arsenic (as As), not more than.....3 ppm
Lead, not more than.....2 ppm
Heavy metals (as Pb), not more than.....0,001 %
Insoluble matter.....p/t.
Oxalate (as Oxalic Acid) a.d.s, not more than.....0,01 %
Loss on drying, not more than.....1 %
Mercury (Hg), not more than.....1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201486.0914	5 kg PP	

Para bioquímica
For biochemistry
Pour biochimie

PB

Reactivos sometidos a ensayos adicionales que los hacen aptos para su uso en técnicas bioquímicas.
Chemicals assayed with additional tests which guarantees their aptitude for biochemical techniques.
Réactifs testés et aptes pour utilisation en biochimie.

Potassium Hydroxide 85% pellets PA-ACS-ISO

KOH

M: 56,11 CAS: 1310-58-3 EINECS: 215-181-3 NC: 2815 20 10 UN: 1813
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C

R: 22-35 S: 26-36/37/39-45 CE: 019-002-00-8

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 85 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Carbonate (as K_2CO_3) ..... 1,0 %
Nitrogen compounds (as N) ..... 0,0005 %
Chloride (Cl) ..... 0,001 %
Phosphate (PO_4) ..... 0,0005 %
Silicate (as SiO_2) ..... 0,001 %
Sulphate (SO_4) ..... 0,002 %
Heavy metals (as Ag) ..... 0,001 %
Al ..... 0,001 %
As ..... 0,00004 %
Ca ..... 0,001 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Na ..... 0,05 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131515.1210	500 g P	6
131515.1211	1000 g P	6
131515.1214	5 kg P	4

Potassium Hydroxide 85% pellets PA

KOH

M: 56,11 CAS: 1310-58-3 EINECS: 215-181-3 NC: 2815 20 10 UN: 1813
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C

R: 22-35 S: 26-36/37/39-45 CE: 019-002-00-8

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 85 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Carbonate (as K_2CO_3) ..... 1,0 %
Nitrogen compounds (as N) ..... 0,001 %
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,0005 %
Silicate (as SiO_2) ..... 0,01 %
Sulphate (SO_4) ..... 0,002 %
Al ..... 0,001 %
As ..... 0,00005 %
Ca ..... 0,002 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Na ..... 0,5 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,001 %

Order code	Package	Units/Box st.
121515.1210	500 g P	6
121515.1211	1000 g P	6
121515.1214	5 kg P	4
121515.0416	25 kg PP	

Potassium Hydroxide 85% pellets (USP-NF, BP, Ph. Eur.) PRS-CODEX

KOH

M: 56,11 CAS: 1310-58-3 EINECS: 215-181-3 NC: 2815 20 10 UN: 1813
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C

R: 22-35 S: 26-36/37/39-45 CE: 019-002-00-8

SPECIFICATIONS:

Assay (Acidim.) ..... 85,0-100,5 %
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t
Carbonate (as K_2CO_3) ..... 1,0 %
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,002 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
Al ..... 0,002 %
As ..... 0,0001 %
Ca ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Mg ..... 0,005 %
Na ..... 1,0 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141515.1210	500 g P	6
141515.1211	1000 g P	6
141515.1214	5 kg P	4
141515.0416	25 kg PP	

Potassium Hydroxide 85% pellets (E-525, F.C.C.) ADITIO

KOH

M: 56,11 CAS: 1310-58-3 EINECS: 215-181-3 NC: 2815 20 10 UN: 1813
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C

R: 22-35 S: 26-36/37/39-45 CE: 019-002-00-8

SPECIFICATIONS:

Assay (as KOH) total alkali 85,0-100,5%
Carbonate (as K_2CO_3), not more than ..... 3,5 %
Insoluble substances ..... p/t.
Lead, not more than ..... 2 ppm
Mercury, not more than ..... 0,1 ppm
Arsenic, not more than ..... 3 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201515.1214	5 kg P	4
201515.0416	25 kg PP	

Potassium Hydroxide 90% flakes QP

KOH

M: 56,11 CAS: 1310-58-3 EINECS: 215-181-3 NC: 2815 20 10 UN: 1813
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C

R: 22-35 S: 26-36/37/39-45 CE: 019-002-00-8

SPECIFICATIONS:

Assay (Acidim.) ..... 90 %
Insoluble matter in H_2O ..... 0,05 %
Chloride (Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,05 %
As ..... 0,0003 %
Fe ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
211514.1210	500 g P	6
211514.1211	1000 g P	6
211514.1214	5 kg P	4
211514.0416	25 kg PP	

DC

Diagnóstico clínico
Products for Histology and Haematology
Produits pour Histologie et hématologie

POTASSIUM HYDROXIDE SOLUTIONS

Potassium Hydroxide solution 40% w/w PA

KOH
M: 56,11 CAS: 1310-58-3 EINECS: 215-181-3 NC: 2815 20 90 UN: 1814
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C
R: 22-35 S: 26-36/37/39-45 CE: 019-002-00-8
1l~1,39kg 1kg~0,72l
SPECIFICATIONS:
Minimum assay (Acidim.) ..... 40 %
MAXIMUM LIMIT OF IMPURITIES
Carbonate (as K_2CO_3) ..... 1,0 %
Chloride (Cl) ..... 0,0005 %
Phosphate (PO_4) ..... 0,0005 %
Nitrogen compounds (as N) ..... 0,0003 %
Silicate (as SiO_2) ..... 0,001 %
Sulphate (SO_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %
Al ..... 0,001 %
As ..... 0,00004 %
Ca ..... 0,001 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Na ..... 0,25 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
123586.1211	1000 ml	6

Potassium Hydroxide solution 40% w/v RE

for gas analysis
KOH
M: 56,11 CAS: 1310-58-3 EINECS: 215-181-3 NC: 2815 20 90 UN: 1814
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C
R: 22-35 S: 26-36/37/39-45 CE: 019-002-00-8
1l~1,29kg 1kg~0,78l
SPECIFICATIONS:
Assay (Acidim.) ..... 40 %
Carbonate (as K_2CO_3) ..... 1,5 %
Heavy metals (as Pb) ..... 0,0015 %

Order code	Package	Units/Box st.
171516.1210	500 ml	6

Potassium Hydroxide 0,1 mol/l (0,1N) SV

Indicator: Bromophenol Blue
KOH
M: 56,11 CAS: 1310-58-3 EINECS: 215-181-3 NC: 2815 20 90 UN: 1814
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:
Xi
R: 36/38 S: 26 CE: 019-002-00-8
1l~1,002kg 1kg~0,998l
SPECIFICATIONS:
Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
181521.1211	1000 ml	6

Potassium Hydroxide 0,1 mol/l (0,1N) ethanolic SV

Indicator: Phenolphthalein. Storage over 18°C.
KOH
M: 56,11 NC: 3822 00 00 UN: 2924
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xi
R: 11-36/38 S: 7-16-26
1l~0,816kg 1kg~1,225l
SPECIFICATIONS:
Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
182146.1611	1000 ml	6

Potassium Hydroxide 0,1 mol/l (0,1N) methanolic SV

Indicator: Phenolphthalein
KOH
M: 56,11 NC: 3822 00 00 UN: 2924
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F T Xi
R: 11-23/24/25-39/23/24/25-36/38 S: 7-16-36/37-45
1l~0,821kg 1kg~1,218l
SPECIFICATIONS:
Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
182147.1211	1000 ml	6

Potassium Hydroxide 0,1 mol/l (0,1N) in 2-propanol SV

Indicator: Phenolphtalein
KOH
M: 56,11 NC: 3822 00 00 UN: 2924
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xi
R: 11-36-67 S: 7-16-24/25-26 CE: 019-002-00-8
1l~0,787kg 1kg~1,271l
SPECIFICATIONS:
Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
183336.1211	1000 ml	6

Potassium Hydroxide 0,1 mol (5,611g KOH) to prepare 1l of 0,1N solution SVc

KOH
M: 56,11 CAS: 1310-58-3 EINECS: 215-181-3 NC: 2815 20 90 UN: 1814
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C
R: 35 S: 26-37/39-45 CE: 019-002-00-8
SPECIFICATIONS:
Titer ..... 1,000 ±0,002

Order code	Package	Units/Box st.
303121.1920	1 ampoule	6

Potassium Hydroxide 0,23 mol/l (0,23N) SV

for determination of raw fibre according to Weende. Indicator: Bromophenol Blue
KOH
M: 56,11 CAS: 1310-58-3 EINECS: 215-181-3 NC: 2815 20 90 UN: 1814
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:
Xi
R: 36/38 S: 26 CE: 019-002-00-8
1l~1,012kg 1kg~0,988l
SPECIFICATIONS:
Titer ..... 1,000 ±0,001

Order code	Package	Units/Box st.
183354.1214	5 l	4
183354.1315	10 l	(*)

Potassium Hydroxide 0,5 mol/l (0,5N) SV

Indicator: Bromophenol Blue
KOH
M: 56,11 CAS: 1310-58-3 EINECS: 215-181-3 NC: 2815 20 90 UN: 1814
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C
R: 34 S: 26-37/39-45 CE: 019-002-00-8
1l~1,021kg 1kg~0,980l
SPECIFICATIONS:
Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
181518.1211	1000 ml	6

(*) Sol-Pack pack with tap

Potassium Hydroxide 0,5 mol/l (0,5N) ethanolic SV

Indicator: Phenolphthalein. Storage over 18°C.
KOH
M: 56,11 NC: 3822 00 00 UN: 2924
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F C **R: 11-34 S: 7-16-26-37/39-45**
1l~0,840kg 1kg~1,190l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
181519.1611	1000 ml	6

Potassium Hydroxide 0,5 mol/l (0,5N) methanolic SV

Indicator: Phenolphthalein
KOH
M: 56,11 NC: 3822 00 00 UN: 2924
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F T C **R: 11-23/24/25-39/23/24/25-34 S: 7-16-36/37-45**
1l~0,856kg 1kg~1,168l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
181520.1211	1000 ml	6

Potassium Hydroxide 0,5 mol (28,054g KOH) to prepare 1l of 0,5N solution SVc

KOH
M: 56,11 CAS: 1310-58-3 EINECS: 215-181-3 NC: 2815 20 90 UN: 1814
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C **R: 22-35 S: 26-36/37/39-45 CE: 019-002-00-8**
SPECIFICATIONS:
Titer .....1,000 ±0,002

Order code	Package	Units/Box st.
303122.1920	1 ampoule	6

Potassium Hydroxide 1 mol/l (1N) SV

Indicator: Bromophenol Blue
KOH
M: 56,11 CAS: 1310-58-3 EINECS: 215-181-3 NC: 2815 20 90 UN: 1814
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C **R: 35 S: 26-37/39-45 CE: 019-002-00-8**
1l~1,042kg 1kg~0,960l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
181517.1211	1000 ml	6
181517.1214	5 l	4

Potassium Hydroxide 1 mol/l (1N) ethanolic SV

Indicator: Phenolphthalein. Storage over 18°C.
KOH
M: 56,11 NC: 3822 00 00 UN: 2924
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F C **R: 11-35 S: 7-16-26-37/39-45**
1l~0,840kg 1kg~1,190l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
184438.1611	1000 ml	6

Potassium Hydroxide 1 mol (56,109g KOH) to prepare 1l of 1N solution SVc

KOH
M: 56,11 CAS: 1310-58-3 EINECS: 215-181-3 NC: 2815 20 90 UN: 1814
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C **R: 22-35 S: 26-36/37/39-45 CE: 019-002-00-8**
SPECIFICATIONS:
Titer .....1,000 ±0,002

Order code	Package	Units/Box st.
303123.1920	1 ampoule	6

Potassium Hydroxide 2 mol/l (2N) SV

Indicator: Bromophenol Blue
KOH
M: 56,11 CAS: 1310-58-3 EINECS: 215-181-3 NC: 2815 20 90 UN: 1814
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C **R: 35 S: 26-37/39-45 CE: 019-002-00-8**
1l~1,096kg 1kg~0,912l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
182145.1211	1000 ml	6

Potassium Hydroxide 1 mol/l (1N) VINIKIT

potash liquor for determining sulphurous gas in wines
KOH
M: 56,11 CAS: 1310-58-3 EINECS: 215-181-3 NC: 2815 20 90 UN: 1814
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C **R: 35 S: 26-37/39-45 CE: 019-002-00-8**
1l~1,042kg 1kg~0,960l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
621517.1210	500 ml	6
621517.1211	1000 ml	6

Potassium Hyposulphite

(see Potassium Thiosulphate)

Potassium Iodate EQP-ACS-ISO

Primary Chemical Matter
KIO_3
M: 214,00 CAS: 7758-05-6 EINECS: 231-831-9 NC: 2829 90 80 UN: 1479
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:
O **R: 8 S: 17**
SPECIFICATIONS:
Assay (Iodom.)(after drying at 130°C).....99,95-100,05%
pH of 5% sol. 5,0-8,0
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O.....0,005 %
Nitrogen compounds (as N) .....0,002 %
Bromide and chloride (as Cl) .....0,01 %
Sulphate (SO_4) .....0,005 %
Iodide (I).....0,001 %
Heavy metals (as Pb).....0,0005 %
As .....0,0001 %
Ca .....0,001 %
Cd .....0,0005 %
Co .....0,0005 %
Cu .....0,0005 %
Fe.....0,001 %
Mg .....0,001 %
Mn .....0,0005 %
Na .....0,005 %
Ni .....0,0005 %
Pb .....0,0005 %
Zn .....0,0005 %

Order code	Package	Units/Box st.
241540.1521	10 x 1,5 g	6
241540.1608	100 g	6

Potassium Iodate (Reag. Ph. Eur.) PA-ACS

KIO_3

M: 214,00 CAS: 7758-05-6 EINECS: 231-831-9 NC: 2829 90 80 UN: 1479
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

R: 8 S: 17

SPECIFICATIONS:
Assay (Iodom.) 99,4-100,4%
pH of 5% solution 5,0-8,0

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 130°C ..... 0,05 %
Nitrogen compounds (as N) ..... 0,002 %
Bromide and Chloride (as Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,005 %
Iodide (I) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0001 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
Mg ..... 0,001 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131540.1208	100 g	6
131540.1209	250 g	6
131540.1211	1000 g	6
131540.1214	5 kg	4
131540.0416	25 kg	

Potassium Iodate PRS

KIO_3

M: 214,00 CAS: 7758-05-6 EINECS: 231-831-9 NC: 2829 90 80 UN: 1479
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

R: 8 S: 17

SPECIFICATIONS:
Assay (Iodom.) ..... 99 %
pH of 5% solution 4-8
Insoluble matter in H_2O ..... 0,05 %
Loss on drying at 130°C ..... 0,1 %
Nitrogen compounds (as N) ..... 0,01 %
Bromide and chloride (as Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,01 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141540.1208	100 g	6
141540.1209	250 g	6
141540.1211	1000 g	6
141540.1214	5 kg	4
141540.0416	25 kg	

Potassium Iodate (F.C.C.) ADITIO

KIO_3

M: 214,00 CAS: 7758-05-6 EINECS: 231-831-9 NC: 2829 90 80 UN: 1479
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

R: 8 S: 17

SPECIFICATIONS:
Assay (as KIO_3) after drying 99,0-101,0%
Chlorate (about 0,01%) ..... p/t.
Iodide (about 0,002%) ..... p/t.
Loss on drying, not more than ..... 0,5 %
Lead, not more than ..... 4 ppm
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201540.1211	1 kg	6
201540.0416	25 kg	

POTASSIUM IODATE VOLUMETRIC SOLUTIONS

Potassium Iodate 0,05 mol/l (0,3N) SV

Indicator: Starch
KIO_3

M: 214,00 CAS: 7758-05-6 EINECS: 231-831-9 NC: 2829 90 80
1l~1,009kg 1kg~0,991l
SPECIFICATIONS:
Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
181541.1611	1000 ml	6

Potassium Iodate 1/60 mol/l (0,1N) SV

Indicator: Starch
KIO_3

M: 214,00 CAS: 7758-05-6 EINECS: 231-831-9 NC: 2829 90 80
1l~1,001kg 1kg~9,999l
SPECIFICATIONS:
Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
182806.1611	1000 ml	6

Potassium Iodide PA-ACS-ISO

KI

M: 166,01 CAS: 7681-11-0 EINECS: 231-659-4 NC: 2827 60 00
Minimum assay ..... 99,5 %
pH of 5% solution 6,0-9,2

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,003 %
Loss on drying at 150°C ..... 0,2 %
Reducing substances I_2 (as I) ..... 0,001 %
Chloride and bromide (as Cl) ..... 0,01 %
Phosphate (PO_4) ..... 0,001 %
Nitrogen compounds (as N) ..... 0,001 %
Sulphate (SO_4) ..... 0,0025 %
Iodate (IO_3) ..... 0,0002 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00001 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Fe	2	Pt	5
Al	5	Ga	5	Si	5
Au	5	Ge	5	Sn	5
B	5	Hg	5	Sr	5
Ba	10	In	5	Ti	5
Be	5	Mg	5	Tl	5
Ca	10	Mn	5	V	5
Cd	5	Mo	5	Zn	5
Co	5	Na	50	Zr	5
Cr	5	Ni	5		
Cu	5	Pb	5		

Order code	Package	Units/Box st.
131542.1209	250 g	6
131542.1210	500 g	6
131542.1211	1000 g	6
131542.1214	5 kg	4
131542.0416	25 kg	

Potassium Iodide PA-ISO

KI

M: 166,01 CAS: 7681-11-0 EINECS: 231-659-4 NC: 2827 60 00
SPECIFICATIONS:
Minimum assay (Arg.) ..... 99,5 %
pH of 5% solution 6-9,2

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,003 %
Loss on drying at 150°C ..... 0,2 %
Reducing substances I_2 (as I) ..... 0,001 %
Chloride and bromide (as Cl) ..... 0,01 %
Phosphate (PO_4) ..... 0,001 %
Nitrogen compounds (as N) ..... 0,001 %
Sulphate (SO_4) ..... 0,0025 %
Iodate (IO_3) ..... 0,0002 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00001 %
Ba ..... 0,001 %
Ca ..... 0,001 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0003 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Na ..... 0,05 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
121542.1209	250 g	6
121542.1210	500 g	6
121542.1211	1000 g	6
121542.1214	5 kg	4
121542.0416	25 kg	

Potassium Iodide (RFE, USP, BP, Ph. Eur., DAB) PRS-CODEX

KI

M: 166,01 CAS: 7681-11-0 EINECS: 231-659-4 NC: 2827 60 00

SPECIFICATIONS:

Assay (Arg.) calc. a.d.s ..... 99,0-100,5 %
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,01 %
Loss on drying at 105°C ..... 1,0 %
Alkalinity ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t
Chloride and bromide (as Cl) ..... 0,05 %
Nitrate, nitrite and ammonia ..... p/t.
Sulphate (SO_4) ..... 0,015 %
Thiosulphate ..... p/t.
Iodate ..... p/t.
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0002 %
Ba ..... p/t.
Ca ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Mg ..... 0,005 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141542.1209	250 g	6
141542.1210	500 g	6
141542.1211	1000 g	6
141542.1214	5 kg	4
141542.0416	25 kg	

Potassium Iodide (F.C.C.) ADITIO

KI

M: 166,01 CAS: 7681-11-0 EINECS: 231-659-4 NC: 2827 60 00

SPECIFICATIONS:

Assay (as KI) a.d.s 99,0-101,5%
Iodate, not more than ..... 4 ppm
Loss on drying, not more than ..... 1 %
Nitrate, Nitrite and Ammonia ..... p/t.
Thiosulphate and Barium ..... p/t.
Lead, not more than ..... 4 ppm
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201542.1214	5 kg	4

POTASSIUM IODIDE SOLUTIONS

Potassium Iodide solution 30% w/v VINIKIT

for determination of reducing sugar in wine, according to Rebelein method (see also Rebelein's Kit)

KI

M: 166,01 CAS: 7681-11-0 EINECS: 231-659-4 NC: 2827 60 00

1l~1,224kg 1kg~0,817l

Composition:
Potassium Iodide ..... 30 g
Water s.q.m. ..... 100 ml

Order code	Package	Units/Box st.
624572.1210	500 ml	6

Potassium Iodide solution 10% w/v RE

KI

M: 166,01 CAS: 7681-11-0 EINECS: 231-659-4 NC: 2827 60 00

1l~1,072kg 1kg~0,933l

Composition:
Potassium Iodide ..... 11 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
171543.1609	250 ml	6

Potassium Iodide 0,1 mol/l (0,1N) SV

Indicator: Starch

KI

M: 166,01 CAS: 7681-11-0 EINECS: 231-659-4 NC: 2827 60 00

1l~1,008kg 1kg~0,992l

SPECIFICATIONS:

Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
181544.1611	1000 ml	6

Potassium Iodide 1 mol/l (1N) SV

Indicator: Starch

KI

M: 166,01 CAS: 7681-11-0 EINECS: 231-659-4 NC: 2827 60 00

1l~1,118kg 1kg~0,894l

SPECIFICATIONS:

Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
182256.1611	1000 ml	6

Potassium Metabisulphite

(see Potassium Disulphite)

Potassium Metaperiodate

(see Potassium meta-Periodate)

Potassium Nitrate without anticaking (Reag. Ph. Eur.) PA-ISO

KNO_3

M: 101,11 CAS: 7757-79-1 EINECS: 231-818-8 NC: 2834 21 00 UN: 1486

IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

HAZARDOUS:

R: 8 S: 16-41

Minimum assay (Arg.) ..... 99,0 %
pH of 5% solution 5-8

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,001 %
Phosphate (PO_4) ..... 0,0005 %
Nitrite (NO_2) ..... 0,001 %
Sulphate (SO_4) ..... 0,003 %
Iodate (IO_3) ..... 0,0005 %
Ammonium (NH_4) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00004 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Ga	5	Pb	5
Al	5	Ge	5	Pt	5
Ba	5	Hg	1	Sb	5
Be	5	In	5	Sr	5
Bi	5	Li	5	Ti	5
Ca	10	Mg	10	Tl	5
Cd	5	Mn	5	Zn	5
Co	5	Mo	5	Zr	5
Cu	5	Na	200		
Fe	3	Ni	5		

Order code	Package	Units/Box st.
131524.1210	500 g	6
131524.1211	1000 g	6
131524.1214	5 kg	4
131524.0416	25 kg	

Potassium Nitrate without anticaking (RFE, BP, Ph. Eur.) PRS-CODEX

KNO_3

M: 101,11 CAS: 7757-79-1 EINECS: 231-818-8 NC: 2834 21 00 UN: 1486

IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

HAZARDOUS:

R: 8 S: 16-41

SPECIFICATIONS:

Assay (Acidim.) calc. a.d.s 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 4,5-8,5

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,025 %
Loss on drying at 105°C ..... 0,5 %
Residual solvents (Ph.Eur./USP) ..... p/t
Acidity or alkalinity ..... p/t.
Ammonium (NH_4) ..... 0,005 %
Chloride (Cl) ..... 0,002 %
Phosphate (PO_4) ..... 0,003 %
Sulphate (SO_4) ..... 0,01 %
Reducible substances ..... p/t.
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0002 %
Ca ..... 0,005 %
Cu ..... 0,002 %
Fe ..... 0,001 %
Mg ..... 0,005 %
Na ..... 0,1 %

Order code	Package	Units/Box st.
141524.1210	500 g	6
141524.1211	1000 g	6
141524.1214	5 kg	4
141524.0416	25 kg	

Potassium Nitrate without anticaking (E-252, F.C.C.) ADITIO

KNO_3

M: 101,11 CAS: 7757-79-1 EINECS: 231-818-8 NC: 2834 21 00 UN: 1486
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518
HAZARDOUS:

O

R: 8 S: 16-41

SPECIFICATIONS:

Assay (as KNO_3) after drying 99,0-100,5%
pH of 5% solution 4,5-8,5
Arsenic (as As), not more than ..... 3 ppm
Chlorate ..... p/t.
Lead, not more than ..... 4 ppm
Loss on drying, not more than ..... 1 %
Nitrite (as KNO_2), not more than ..... 20 ppm
Heavy metals (as Pb), not more than ..... 0,001 %
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201524.1214	5 kg	4
201524.0416	25 kg	

Potassium Nitrate with anticaking (E-252, F.C.C.) ADITIO

KNO3

M: 101,11 CAS: 7757-79-1 EINECS: 231-818-8 NC: 2834 21 00 UN: 1486
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518
HAZARDOUS:

O

R: 8 S: 16-41

SPECIFICATIONS:

Assay (as KNO_3) after drying 99,0-100,5%
pH of 5% solution 4,5-8,5
Arsenic (as As), not more than ..... 3 ppm
Chlorate ..... p/t.
Lead, not more than ..... 4 ppm
Loss on drying, not more than ..... 1 %
Nitrite (as KNO_2), not more than ..... 20 ppm
Heavy metals (as Pb), not more than ..... 0,001 %
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
206401.0416	25 kg	

Potassium Nitrate 1 mol/l RV

KNO_3

M: 101,11 CAS: 7757-79-1 EINECS: 231-818-8 NC: 2834 21 00
1l~1,063kg 1kg~0,941l

Composition:
Potassium Nitrate ..... 11 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
282268.1211	1000 ml	6

Potassium Nitrite PA-ACS

KNO_2

M: 85,11 CAS: 7758-09-0 EINECS: 231-832-4 NC: 2834 10 00 UN: 1488
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

O T N

R: 8-25-50 S: 45-61 CE: 007-011-00-X

SPECIFICATIONS:

Minimum assay (Perm.) ..... 96,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,005 %
Ammonium (NH_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Co	5	Mo	5
Al	5	Cr	5	Na	2000
As	1	Cu	5	Ni	5
Ba	200	Fe	5	Pb	5
Bi	5	Li	20	Sr	20
Ca	50	Mg	20	Tl	5
Cd	5	Mn	5	Zn	5

Order code	Package	Units/Box st.
131855.1209	250 g	6
131855.1211	1000 g	6

Potassium Nitrite PRS

KNO_2

M: 85,11 CAS: 7758-09-0 EINECS: 231-832-4 NC: 2834 10 00 UN: 1488
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

O T N

R: 8-25-50 S: 45-61 CE: 007-011-00-X

SPECIFICATIONS:

Assay (Perm.) ..... 95 %
Insoluble matter in H_2O ..... 0,05 %
Loss on drying ..... 1,0 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Ammonium (NH_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,005 %
Ca ..... 0,05 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Na ..... 0,3 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141855.1210	500 g	6
141855.1211	1000 g	6
141855.1214	5 kg	4

Potassium Nitrite (E-249, F.C.C.) ADITIO

KNO_2

M: 85,11 CAS: 7758-09-0 EINECS: 231-832-4 NC: 2834 10 00 UN: 1488
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

O T N

R: 8-25-50 S: 45-61 CE: 007-011-00-X

SPECIFICATIONS:

Assay (as KNO_2) calc. on the dried basis 95,0-100,5%
pH of 5% solution 6,0-9,0
Arsenic (as As), not more than ..... 3 ppm
Loss on drying, not more than ..... 3 %
Lead, not more than ..... 4 ppm
Heavy metals (as Pb), not more than ..... 0,001 %
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201855.1214	5 kg	4

Potassium di-Oxalate mono-Basic

(see Potassium tetra-Oxalate 2-hydrate)

Potassium tetra-Oxalate 2-hydrate PRS

$KH_3(C_2O_4)_2.2H_2O$

M: 254,20 CAS: 6100-20-5 EINECS: 204-874-6 NC: 2917 11 00 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn

R: 21/22 S: 24/25 CE: 607-007-00-3

SPECIFICATIONS:

Assay (Perm.) ..... 99 %
Insoluble matter in H_2O ..... 0,025 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,02 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141538.1210	500 g	6
141538.1211	1000 g	6
141538.0914	5 kg	
141538.0416	25 kg	

di-Potassium Oxalate 1-hydrate PA-ACS

$(COOK)_2.H_2O$

M: 184,24 CAS: 6487-48-5 EINECS: 209-506-8 NC: 2917 11 00 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn **R: 21/22 S: 24/25 CE: 607-007-00-3**

SPECIFICATIONS:

Assay (Perm.) 99,0-101,0%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Darkened substances by H_2SO_4 ..... p/t.
Neutrality ..... p/t.
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,01 %
Ammonium (NH_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,002 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Cr	5	Na	200
Al	5	Cu	5	Ni	5
Ba	20	Fe	10	Pb	10
Ca	50	Mg	20	Tl	5
Cd	5	Mn	5	Zn	5
Co	5	Mo	5		

Order code	Package	Units/Box st.
131526.1211	1000 g P	6

di-Potassium Oxalate 1-hydrate PA

$(COOK)_2.H_2O$

M: 184,24 CAS: 6487-48-5 EINECS: 209-506-8 NC: 2917 11 00 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn **R: 21/22 S: 24/25 CE: 607-007-00-3**

SPECIFICATIONS:

Minimum assay (Perm.) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Darkened substances by H_2SO_4 ..... p/t.
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,01 %
Ammonium (NH_4) ..... 0,002 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
121526.1210	500 g P	6
121526.1211	1000 g P	6
121526.0914	5 kg PP	

di-Potassium Oxalate 1-hydrate PRS

$(COOK)_2.H_2O$

M: 184,24 CAS: 6487-48-5 EINECS: 209-506-8 NC: 2917 11 00 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn **R: 21/22 S: 24/25 CE: 607-007-00-3**

SPECIFICATIONS:

Assay (Perm.) ..... 98 %
Insoluble matter in H_2O ..... 0,025 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,02 %
Ammonium (NH_4) ..... 0,005 %
Cu ..... 0,003 %
Fe ..... 0,003 %
Ni ..... 0,003 %
Pb ..... 0,003 %

Order code	Package	Units/Box st.
141526.1210	500 g P	6
141526.1211	1000 g P	6
141526.0914	5 kg PP	
141526.0416	25 kg PP	

Potassium Perchlorate PA-ACS

$KClO_4$

M: 138,55 CAS: 7778-74-7 EINECS: 231-912-9 NC: 2829 90 10 UN: 1489
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

O Xn **R: 9-22 S: 13-22-27 CE: 017-008-00-5**

SPECIFICATIONS:

Assay (Arg.) 99,0-100,5%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Nitrogen compounds (as N) ..... 0,001 %
Chloride (Cl) ..... 0,003 %
Phosphate (PO_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0005 %
Ca ..... 0,005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Mg ..... 0,005 %
Na ..... 0,02 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131856.1209	250 g P	6
131856.1211	1000 g P	6

Potassium Perchlorate (DAC) PRS-CODEX

$KClO_4$

M: 138,55 CAS: 7778-74-7 EINECS: 231-912-9 NC: 2829 90 10 UN: 1489
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

O Xn **R: 9-22 S: 13-22-27 CE: 017-008-00-5**

SPECIFICATIONS:

Assay (Arg.) 99,0-101,0%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t
Acidity or alkalinity ..... p/t.
Nitrogen compounds (as N) ..... 0,005 %
Chloride and Chlorate (as Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0001 %
Ca ..... 0,01 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141856.1210	500 g P	6
141856.1211	1000 g P	6
141856.1214	5 kg P	4
141856.0616	25 kg	

Potassium meta-Periodate (Reag. Ph. Eur.) PA-ACS

KIO_4

M: 230,00 CAS: 7790-21-8 EINECS: 232-196-0 NC: 2829 90 80 UN: 1479
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

O **R: 8 S: 24/25**

SPECIFICATIONS:

Assay (Iodom.) a.d.s 99,8-100,3%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 110°C ..... 0,05 %
Other halogens (as Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Iodide (I) ..... 0,001 %
Mn ..... 0,0001 %

Order code	Package	Units/Box st.
131523.1208	100 g P	6
131523.1214	5 kg P	4

Potassium meta-Periodate PRS

KIO_4

M: 230,00 CAS: 7790-21-8 EINECS: 232-196-0 NC: 2829 90 80 UN: 1479
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

O

R: 8 S: 24/25

SPECIFICATIONS:
Assay (Iodom.) ..... 99 %
Insoluble matter in H_2O ..... 0,05 %
Other halogens (as Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,03 %

Order code	Package	Units/Box st.
141523.1208	100 g	6
141523.1209	250 g	6
141523.1214	5 kg	6

Potassium Permanganate (max. 0,000005% Hg) PA-ACS

$KMnO_4$

M: 158,04 CAS: 7722-64-7 EINECS: 231-760-3 NC: 2841 61 00 UN: 1490
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

O Xn N

R: 8-22-50/53 S: 60-61 CE: 025-002-00-9

SPECIFICATIONS:
Minimum assay ..... 99,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,2 %
Nitrogen compounds (as N) ..... 0,005 %
Chloride and chlorate (as Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,02 %
Hg ..... 0,000005 %

Order code	Package	Units/Box st.
471527.1210	500 g	6
471527.1211	1000 g	6

Potassium Permanganate PA-ACS

$KMnO_4$

M: 158,04 CAS: 7722-64-7 EINECS: 231-760-3 NC: 2841 61 00 UN: 1490
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

O Xn N

R: 8-22-50/53 S: 60-61 CE: 025-002-00-9

SPECIFICATIONS:
Minimum assay ..... 99,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,2 %
Nitrogen compounds (as N) ..... 0,005 %
Chloride and chlorate (as Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,02 %

Order code	Package	Units/Box st.
131527.1209	250 g	6
131527.1210	500 g	6
131527.1211	1000 g	6
131527.1214	5 kg	4
131527.0716	25 kg	

Potassium Permanganate (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$KMnO_4$

M: 158,04 CAS: 7722-64-7 EINECS: 231-760-3 NC: 2841 61 00 UN: 1490
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

O Xn N

R: 8-22-50/53 S: 60-61 CE: 025-002-00-9

SPECIFICATIONS:
Assay (Iodom.) 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,2 %
Loss on drying ..... 0,5 %
Residual solvents (Ph.Eur./USP) ..... p/t
Nitrogen compounds (as N) ..... 0,03 %
Chloride (Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,05 %
Heavy metals (as Pb) ..... 0,003 %
As ..... 0,0003 %
Fe ..... 0,005 %
Pb ..... 0,005 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141527.1210	500 g	6
141527.1211	1000 g	6
141527.1214	5 kg	4
141527.0716	25 kg	

POTASSIUM PERMANGANATE VOLUMETRIC SOLUTIONS

Potassium Permanganate 0,01 mol/l (0,05N) SV

$KMnO_4$

M: 158,04 CAS: 7722-64-7 EINECS: 231-760-3 NC: 2841 61 00
1l~1,001kg 1kg~0,999l
SPECIFICATIONS:
Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
182114.1611	1000 ml	6

Potassium Permanganate 0,02 mol/l (0,1N) SV

$KMnO_4$

M: 158,04 CAS: 7722-64-7 EINECS: 231-760-3 NC: 2841 61 00
HAZARDOUS:
R: 52 CE: 025-002-00-9
1l~1,002kg 1kg~0,998l
SPECIFICATIONS:
Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
181529.1611	1000 ml	6

Potassium Permanganate 0,02 mol (3,161g $KMnO_4$) to prepare 1l of 0,1N solution SVc

$KMnO_4$

M: 158,04 CAS: 7722-64-7 EINECS: 231-760-3 NC: 2841 61 00 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 914 CAO: 914
HAZARDOUS:

N

R: 51 S: 60-61

SPECIFICATIONS:
Titer ..... 1,000 ±0,002

Order code	Package	Units/Box st.
303124.1920	1 ampoule	6

Potassium Permanganate 0,1 mol/l (0,5N) SV

for the titration of percarbonates
$KMnO_4$

M: 158,04 CAS: 7722-64-7 EINECS: 231-760-3 NC: 2841 61 00
HAZARDOUS:
R: 52
1l~1,01kg 1kg~0,99l
Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
182651.1611	1000 ml	6

Potassium Permanganate 0,2 mol/l (1N) SV

$KMnO_4$

M: 158,04 CAS: 7722-64-7 EINECS: 231-760-3 NC: 2841 61 00 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 914 CAO: 914
HAZARDOUS:

N

R: 51 S: 60-61 CE: 025-002-00-9
1l~1,022kg 1kg~0,978l
SPECIFICATIONS:
Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
181528.1611	1000 ml	6

Potassium Peroxidisulphate

(see Potassium Peroxodisulphate)

Potassium Peroxodisulphate (Reag. Ph. Eur.) PA

$K_2S_2O_8$

M: 270,33 CAS: 7727-21-1 EINECS: 231-781-8 NC: 2833 40 00 UN: 1492
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518
HAZARDOUS:

O Xn

R: 8-22-36/37/38-42/43 S: 22-24-26-37

SPECIFICATIONS:
Minimum assay (Iodom.) ..... 99,0 %*
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,01 %
Chlorine compounds (as Cl) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
Cu ..... 0,001 %
Fe ..... 0,0005 %
Mn ..... 0,0002 %
Ni ..... 0,001 %
Pb ..... 0,001 %
*At the moment of the batch analysis

Order code	Package	Units/Box st.
121525.1210	500 g	6
121525.1211	1000 g	6

Potassium Peroxodisulphate PRS

$K_2S_2O_8$

M: 270,33 CAS: 7727-21-1 EINECS: 231-781-8 NC: 2833 40 00 UN: 1492
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518
HAZARDOUS:

O Xn **R: 8-22-36/37/38-42/43 S: 22-24-26-37**

SPECIFICATIONS:
Assay (Iodom.) ..... 98 %*
Insoluble matter in H_2O ..... 0,02 %
Chlorine compounds (as Cl) ..... 0,01 %
Cu ..... 0,005 %
Fe ..... 0,003 %
Ni ..... 0,005 %
Pb ..... 0,005 %
*At the moment of the batch analysis

Order code	Package	Units/Box st.
141525.1210	500 g P	6
141525.1211	1000 g P	6
141525.1214	5 kg P	4

Potassium Persulphate

(see Potassium Peroxodisulphate)

tri-Potassium Phosphate 1,5-hydrate PRS

$K_3PO_4.1,5H_2O$

M: 239,28 CAS: 27176-10-9 EINECS: 231-907-1 NC: 2835 24 00
HAZARDOUS:

Xi **R: 36/38 S: 22-26**

SPECIFICATIONS:
Assay (Acidim.) ..... 95 %
Insoluble matter in H_2O ..... 0,05 %
Nitrogen compounds (as N) ..... 0,005 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,05 %
As ..... 0,0005 %
Cu ..... 0,003 %
Fe ..... 0,003 %
Ni ..... 0,003 %
Pb ..... 0,003 %

Order code	Package	Units/Box st.
141513.1210	500 g P	6
141513.1211	1000 g P	6
141513.1214	5 kg P	4
141513.0416	25 kg PP	

tri-Potassium Phosphate 1,5-hydrate (E-340iii, F.C.C.) ADITIO

$K_3PO_4.1,5H_2O$

M: 239,28 CAS: 27176-10-9 EINECS: 231-907-1 NC: 2835 24 00
HAZARDOUS:

Xi **R: 36/38 S: 22-26**

SPECIFICATIONS:
Assay (K_3PO_4) calc. on the ignited substance, not less than ..... 97,0 %
P_2O_5 content ..... 30,5-33,0 %
Arsenic (as As), not more than ..... 3 ppm
Fluoride, not more than ..... 10 ppm
Loss on ignition ..... 8,0-20,0 %
pH of 1% solution 11,5-12,3
Insoluble substances in anhydrous substance, not more than ..... 0,2 %
Cadmium, not more than ..... 1 ppm
Lead, not more than ..... 2 ppm
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
201513.1214	5 kg P	4
201513.0416	25 kg PP	

Potassium Phosphate mono-Basic

(see Potassium di-Hydrogen Phosphate)

Potassium Phosphate di-Basic

(see di-Potassium Hydrogen Phosphate)

Potassium Phosphate tri-Basic

(see tri-Potassium Phosphate 1,5-hydrate)

Potassium Phosphate tertiary

(see tri-Potassium Phosphate 1,5-hydrate)

tetra-Potassium Pyrophosphate anhydrous PRS

$K_4P_2O_7$

M: 330,35 CAS: 7320-34-5 EINECS: 230-785-7 NC: 2835 39 00
SPECIFICATIONS:
Assay (Acidim.) ..... 99 %
pH of 5% solution 9,5-10,5
Insoluble matter in H_2O ..... 0,05 %
Nitrogen compounds (as N) ..... 0,05 %
Chloride (Cl) ..... 0,1 %
Sulphate (SO_4) ..... 0,1 %
As ..... 0,001 %
Ca ..... 0,1 %
Cu ..... 0,003 %
Fe ..... 0,003 %
Mg ..... 0,1 %
Ni ..... 0,003 %
Pb ..... 0,003 %

Order code	Package	Units/Box st.
144321.1211	1000 g P	6

tetra-Potassium Pyrophosphate anhydrous (E-450v, F.C.C.) ADITIO

$K_4P_2O_7$

M: 330,35 CAS: 7320-34-5 EINECS: 230-785-7 NC: 2835 39 00
SPECIFICATIONS:
Assay ($K_4P_2O_7$) calc. on the ignited basis, not less than ..... 95,0 %
Arsenic (as As), not more than ..... 3 ppm
Insoluble substances in water, not more than ..... 0,1 %
Loss on ignition, not more than ..... 0,5 %
P_2O_5 content ..... 42,0-43,7 %
pH of 1% 10,0-10,7
Fluoride, not more than ..... 10 ppm
Lead, not more than ..... 2 ppm
Mercury, not more than ..... 1 ppm
Cadmium, not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
204321.0914	5 kg PP	
204321.0416	25 kg	

Potassium Pyrosulphite

(see Potassium Disulphite)

Potassium Rhodanide

(see Potassium Thiocyanate)

Potassium Sodium Tartrate 4-hydrate PA-ACS-ISO

$NaK(COO)_2(CHOH)_2.4H_2O$

M: 282,23 CAS: 6381-59-5 EINECS: 205-698-2 NC: 2918 13 00
SPECIFICATIONS:
Assay (Perchl. Ac.) 99,0-102,0%
pH of 5% solution 6,5-8,5
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,003 %
Chloride (Cl) ..... 0,0005 %
Phosphate (PO_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,005 %
Ammonium (NH_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00002 %
Ca ..... 0,002 %
Cu ..... 0,0002 %
Fe ..... 0,0002 %
Mg ..... 0,002 %
Ni ..... 0,0005 %
Pb ..... 0,0002 %

Order code	Package	Units/Box st.
131729.1210	500 g P	6
131729.1211	1000 g P	6
131729.1214	5 kg P	4
131729.0416	25 kg PP	

Potassium Sodium Tartrate 4-hydrate (USP) PRS-CODEX

$NaK(COO)_2(CHOH)_2.4H_2O$

M: 282,23 CAS: 6381-59-5 EINECS: 205-698-2 NC: 2918 13 00

SPECIFICATIONS:

Assay (Acidim.) calc. a.a.s. ..... 99,0-102,0 %
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Residual solvents (Ph.Eur./USP) ..... p/t
Alkalinity ..... p/t.
Chloride (Cl) ..... 0,003 %
Phosphate (PO_4) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
Ammonium (NH_4) ..... 0,002 %
Water (H_2O) ..... 21,0-27,0 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Ca ..... 0,01 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Mg ..... 0,01 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141729.1210	500 g P	6
141729.1211	1000 g P	6
141729.1214	5 kg P	4
141729.0416	25 kg PP	

Potassium Sodium Tartrate 4-hydrate (E-337, F.C.C.) ADITIO

$NaK(COO)_2(CHOH)_2.4H_2O$

M: 282,23 CAS: 6381-59-5 EINECS: 205-698-2 NC: 2918 13 00

SPECIFICATIONS:

Assay ($C_4H_4KNaO_6.4H_2O$) 99,0-102,0%
pH of 1% solution 6,5-8,5
Alkalinity ..... p/t.
Arsenic (as As), not more than ..... 3 ppm
Lead, not more than ..... 2 ppm
Heavy metals (as Pb), not more than ..... 10 ppm
Oxalate (as oxalic acid) a.a.s., not more than ..... 0,01 %
Loss on drying ..... 21,0-26,0 %
Water ..... 21,0-26,0 %
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 96/77/CE, F.C.C. 6

Order code	Package	Units/Box st.
201729.1214	5 kg P	4

Potassium Sorbate PA

$CH_3(CHCH)_2COOK$

M: 150,22 CAS: 24634-61-5 EINECS: 246-376-1 NC: 2916 19 30

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99,0 %
Identity ..... IR p/t.
pH of 10% solution 8,0-10,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 105°C ..... 1,0 %
Chloride (Cl) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
Al ..... 0,001 %
As ..... 0,0001 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,0002 %
Fe ..... 0,0002 %
Mg ..... 0,002 %
Mn ..... 0,0005 %
Na ..... 0,3 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
121531.1210	500 g P	6
121531.1211	1000 g P	6
121531.0914	5 kg PP	

Potassium Sorbate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

$CH_3(CHCH)_2COOK$

M: 150,22 CAS: 24634-61-5 EINECS: 246-376-1 NC: 2916 19 30

SPECIFICATIONS:

Assay (Perchl. Ac.) calc. a.d.s 99,0-101,0%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Loss on drying at 105°C ..... 1,0 %
Residual solvents (Ph.Eur./USP) ..... p/t
Acidity and alkalinity ..... p/t.
Aldehydes (as CH_3CHO) ..... 0,15 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0002 %
Cu ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141531.1210	500 g P	6
141531.1211	1000 g P	6
141531.0914	5 kg PP	
141531.0416	25 kg	

Potassium Sorbate (E-202, F.C.C.) ADITIO

$CH_3(CHCH)_2COOK$

M: 150,22 CAS: 24634-61-5 EINECS: 246-376-1 NC: 2916 19 30

SPECIFICATIONS:

Assay ($C_6H_7KO_2$) (after drying) 99,0-101,0%
Acidity (as Sorbic Acid, not more than) ..... 1,0 %
Alkalinity (as K_2CO_3, not more than) ..... 1,0 %
Arsenic (as As), not more than ..... 3 ppm
Lead, not more than ..... 2 ppm
Loss on drying, not more than ..... 1,0 %
Heavy metals (as Pb), not more than ..... 10 ppm
Aldehydes (as Formaldehyde), not more than ..... 0,1 %
Volatile matter, not more than ..... 1,0 %
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201531.0914	5 kg PP	
201531.0416	25 kg PP	

Potassium Sulphate (Reag. Ph. Eur.) PA-ACS-ISO

K_2SO_4

M: 174,27 CAS: 7778-80-5 EINECS: 231-915-5 NC: 3104 30 00

SPECIFICATIONS:

Minimum assay ..... 99,0 %
pH of 5% solution 5,5-8,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 105°C ..... 1,0 %
Nitrogen compounds (as N) ..... 0,0005 %
Chloride (Cl) ..... 0,0005 %
Phosphate (PO_4) ..... 0,0005 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0001 %

Metals by ICP [mg/Kg (ppm)]

Al	5	Fe	5	Ni	5
Ba	5	Ga	5	Pb	5
Be	5	In	5	Se	5
Ca	50	Li	10	Sr	5
Cd	5	Mg	20	Ti	5
Co	5	Mn	5	V	5
Cr	5	Mo	5	Zn	5
Cu	5	Na	200	Zr	5

Order code	Package	Units/Box st.
131532.1210	500 g P	6
131532.1211	1000 g P	6
131532.1214	5 kg P	4
131532.0416	25 kg PP	

DERQUIM

Detergentes de laboratorio
Laboratory detergents
Détergents de laboratoire

Potassium Sulphate PRS

K_2SO_4

M: 174,27 CAS: 7778-80-5 EINECS: 231-915-5 NC: 3104 30 00

SPECIFICATIONS:

Assay ..... 98 %
pH of 5% solution 5,5-8,0
Insoluble matter in H_2O ..... 0,025 %
Loss on drying at 105°C ..... 1,0 %
Nitrogen compounds (as N) ..... 0,002 %
Chloride (Cl) ..... 0,01 %
Phosphate (PO_4) ..... 0,005 %
As ..... 0,0001 %
Ca ..... 0,03 %
Cu ..... 0,003 %
Fe ..... 0,003 %
Mg ..... 0,03 %
Ni ..... 0,003 %
Pb ..... 0,003 %

Order code	Package	Units/Box st.
141532.1210	500 g P	6
141532.1211	1000 g P	6
141532.1214	5 kg P	4
141532.0416	25 kg PP	

Potassium Sulphate (E-515i, F.C.C.) ADITIO

K_2SO_4

M: 174,27 CAS: 7778-80-5 EINECS: 231-915-5 NC: 3104 30 00

SPECIFICATIONS:

Assay (K_2SO_4) 99,0-100,5%
pH of 5% solution 5,5-8,5
Selenium, not more than ..... 5 ppm
Arsenic, not more than ..... 3 ppm
Mercury, not more than ..... 1 ppm
Lead, not more than ..... 2 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201532.1214	5 kg P	4
201532.0416	25 kg PP	

Potassium Sulphocyanide

(see Potassium Thiocyanate)

Potassium Tartrate 1/2-hydrate (Reag. Ph. Eur.) PA

$C_4H_4K_2O_6 \cdot {}^1/_2H_2O$

M: 235,28 CAS: 6100-19-2 EINECS: 205-697-7 NC: 2918 13 00

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99,5 %
pH of 5% solution 6,5-9,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 150°C ..... 3,5-3,9 %
Chloride (Cl) ..... 0,0005 %
Phosphate (PO_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,01 %
Ammonium (NH_4) ..... 0,003 %
Heavy metals (as Pb) ..... 0,001 %
Ca ..... 0,005 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
121537.1210	500 g P	6
121537.1211	1000 g P	6
121537.0914	5 kg PP	
121537.0416	25 kg	

Potassium Tartrate 1/2-hydrate PRS

$C_4H_4K_2O_6 \cdot {}^1/_2H_2O$

M: 235,28 CAS: 6100-19-2 EINECS: 205-697-7 NC: 2918 13 00

SPECIFICATIONS:

Assay (Perchl. Ac.) ..... 98 %
pH of 5% solution 6,5-9,0
Insoluble matter in H_2O ..... 0,025 %
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,005 %
Sulphate (SO_4) ..... 0,05 %
Ammonium (NH_4) ..... 0,005 %
Cu ..... 0,003 %
Fe ..... 0,003 %
Ni ..... 0,003 %
Pb ..... 0,003 %

Order code	Package	Units/Box st.
141537.1210	500 g P	6
141537.1211	1000 g P	6
141537.0416	25 kg	

Potassium Tellurite x-hydrate, 95,0% PS

$K_2TeO_3 \cdot xH_2O$

M: 253,79+xH_2O CAS: 123333-66-4 EINECS: 232-213-1 NC: 2842 90 10
UN: 3284

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T

R: 25-36/38 S: 37-45

SPECIFICATIONS:

Minimum assay calc. a.d.s. ..... 95,0 %

Order code	Package	Units/Box st.
15A299.1207	50 g P	6

Potassium Tetraiodomercurate(II)

(see Nessler's Reagent A)

Potassium Tetraoxalate

(see Potassium tetra-Oxalate 2-hydrate)

Potassium Thiocyanate (Reag. Ph. Eur.) PA-ACS-ISO

KSCN

M: 97,18 CAS: 333-20-0 EINECS: 206-370-1 NC: 2842 90 80

HAZARDOUS:

Xn

R: 20/21/22-32 S: 13 CE: 615-004-00-3

SPECIFICATIONS:

Minimum assay (Arg) ..... 99,0 %
pH of 5% solution 5,3-8,5

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Insoluble matter in C_2H_5OH ..... 0,01 %
Iodine-consuming substances (I) ..... 0,025 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
Sulphide (S) ..... 0,001 %
Ammonium (NH_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0001 %
Na ..... 0,005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
131534.1210	500 g P	6
131534.1211	1000 g P	6
131534.0914	5 kg PP	
131534.0416	25 kg PP	

Potassium Thiocyanate PA

KSCN

M: 97,18 CAS: 333-20-0 EINECS: 206-370-1 NC: 2842 90 80

HAZARDOUS:

Xn

R: 20/21/22-32 S: 13 CE: 615-004-00-3

SPECIFICATIONS:

Minimum assay (Arg) ..... 99,0 %
pH of 5% solution 5,3-8,5

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Iodine-consuming substances (I) ..... 0,05 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,05 %
Sulphide (S) ..... 0,002 %
Ammonium (NH_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Na ..... 0,05 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
121534.1210	500 g P	6
121534.1211	1000 g P	6
121534.0914	5 kg PP	4
121534.0416	25 kg PP	

Potassium Thiocyanate PRS

KSCN

M: 97,18 CAS: 333-20-0 EINECS: 206-370-1 NC: 2842 90 80

HAZARDOUS:

Xn

R: 20/21/22-32 S: 13 CE: 615-004-00-3

SPECIFICATIONS:

Assay (Arg.) ..... 98 %
pH of 5% solution 5,0-8,7
Insoluble matter in H_2O ..... 0,02 %
Chloride (Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,1 %
Ammonium (NH_4) ..... 0,01 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141534.1210	500 g	6
141534.1211	1000 g	6
141534.0914	5 kg	
141534.0416	25 kg	

POTASSIUM THIOCYANATE SOLUTIONS

Potassium Thiocyanate solution 20% w/v VINIKIT

for determination of Fe, according to Ferré Michel method
KSCN

M: 97,18 CAS: 333-20-0 EINECS: 206-370-1 NC: 2842 90 80

HAZARDOUS:

Xn

R: 20/21/22-32 S: 13 CE: 615-004-00-3

1l~1,092kg 1kg~0,916l

Composition:
Potassium Thiocyanate ..... 20 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
625514.1208	100 ml	6

Potassium Thiocyanate solution 5% w/v VINIKIT

for determination of Fe, according to Ferré Michel method
KSCN

M: 97,18 CAS: 333-20-0 EINECS: 206-370-1 NC: 2842 90 80

1l~1,022kg 1kg~0,978l

Composition:
Potassium Thiocyanate ..... 5 g
Water s.q.m. ..... 100 ml

Order code	Package	Units/Box st.
624575.1209	250 ml	6
624575.1210	500 ml	6

Potassium Thiocyanate 0,1 mol/l (0,1N) SV

Indicator: Alum Iron Ammonium
KSCN

M: 97,18 CAS: 333-20-0 EINECS: 206-370-1 NC: 2842 90 80

1l~1,005kg 1kg~0,995l

SPECIFICATIONS:

Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
181535.1211	1000 ml	6

Potassium Thiosulphate x-hydrate PRS

$K_2S_2O_3.xH_2O$

M: 190,34(anh) CAS: 10294-66-3 EINECS: 233-666-8 NC: 2832 30 00

HAZARDOUS:

Xi

R: 36/38 S: 26-36

SPECIFICATIONS:

Assay (Iodom.) (as $K_2S_2O_3$) ..... 96 %
pH of 5% solution 6-9
Insoluble matter in H_2O ..... 0,02 %
Loss on drying at 150°C ..... 2-4 %
Chloride (Cl) ..... 0,05 %
Heavy metals (as Pb) ..... 0,001 %
Fe ..... 0,001 %

Order code	Package	Units/Box st.
144272.1208	100 g	6

Potassium Xanthogenate

(see Potassium O-Ethyldithiocarbonate)

Potato Starch (Ingredient) CULTIMED

Nutritional ingredient in media preparation for yeast and moulds.

NC: 3504 00 00

SPECIFICATIONS:

pH of 2% solution 5-8
Loss on drying at 105°C ..... 20 %
Residue on ignition (as SO_4) ..... 1 %
Total Nitrogen ..... 0,017 %

Order code	Package	Units/Box st.
404148.1210	500 g	6
404148.0914	5 kg	
404148.0416	25 kg	

PPTS

(see Pyridinium 4-Toluenesulphonate)

PRASEODYMIUM SOLUTIONS

(see Standards for ICP)

L-Proline PB

$C_5H_9NO_2$

M: 115,13 CAS: 147-85-3 EINECS: 205-702-2 NC: 2933 99 90

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99,0 %
Identity ..... IR p/t.
T.L.C ..... p/t.
Specific rot. $[\alpha]^{20}$/D c=4 (in H_2O) ..... -84,0 to-86,0°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,05 %
Loss on drying at 105°C ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,05 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00015 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
373646.1205	10 g	6
373646.1207	50 g	6

L-Proline (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_5H_9NO_2$

M: 115,13 CAS: 147-85-3 EINECS: 205-702-2 NC: 2933 99 90

SPECIFICATIONS:

Assay (Perchl. Ac.) calc. a.d.s 98,5-101,0%
Identity according to Pharmacopoieas ..... p/t.
T.L.C ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=4 (in H_2O) calc. a.d.s. ..... -84,3 to-85,7°

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Loss on drying at 105°C ..... 0,4 %
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Chloride (Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,03 %
Ammonium (NH_4) ..... 0,02 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00015 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
143646.1208	100 g	6

L-Proline (F.C.C.) ADITIO

$C_5H_9NO_2$

M: 115,13 CAS: 147-85-3 EINECS: 205-702-2 NC: 2933 99 90

SPECIFICATIONS:

Assay (as $C_5H_9NO_2$) calc. a.d.s 98,5-101,5%
Lead, not more than ..... 5 ppm
Loss on drying, not more than ..... 0,3 %
Residue on ignition, not more than ..... 0,1 %
Specific rotation $[\alpha]^{20}$/D calc. a.d.s. ..... -84,0 to-86,3°
Specifications F.C.C. 6

Order code	Package	Units/Box st.
203646.1210	500 g	6

L-Proline, 99% PS

$C_5H_9NO_2$

M: 115,13 CAS: 147-85-3 EINECS: 205-702-2 NC: 2933 99 90

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99 %
Identity ..... IR p/t.
T.L.C ..... p/t.
Specific rotation $[\alpha]^{20}/D$ c=4 (in H_2O) ..... -84,0 to -86,0°

Order code	Package	Units/Box st.
163646.1206	25 g	6
163646.1208	100 g	6

Propanal, 98% PS

CH_3CH_2CHO

M: 58,08 CAS: 123-38-6 EINECS: 204-623-0 NC: 2912 19 90 UN: 1275
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xi **R: 11-36/37/38 S: 9-16-29 CE: 605-018-00-8**

1l~0,803kg 1kg~1,245l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,801-0,804

Order code	Package	Units/Box st.
15A856.1608	100 ml	6

1,2-Propanediol (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_3H_8O_2$

M: 76,10 CAS: 57-55-6 EINECS: 200-338-0 NC: 2905 32 00

1l~1,040kg 1kg~0,962l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity according to Pharmacopoeias ..... p/t.
Density at 20/20 1,038-1,040
Refractive index n $^{20}/D$ 1,431-1,433

MAXIMUM LIMIT OF IMPURITIES

Appearance ..... p/t.
Residue on ignition (as SO_4) ..... 0,007 %
Oxidizing substances ..... p/t.
Reducing substances ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t
Acidity ..... p/t.
Water (H_2O) ..... 0,2 %
Chloride (Cl) ..... 0,007 %
Sulphate (SO_4) ..... 0,006 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0003 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141545.1211	1000 ml	6
141545.1212	2,5 l	4
141545.1214	5 l	4
141545.0716	25 l	
141545.0718	60 l	

1,2-Propanediol (E-1520, F.C.C.) ADITIO

$C_3H_8O_2$

M: 76,10 CAS: 57-55-6 EINECS: 200-338-0 NC: 2905 32 00

1l~1,040kg 1kg~0,962l

SPECIFICATIONS:

Assay ($C_3H_8O_2$) by weight, not less than ..... 99,5 %
Distillation range ..... 185-189°C
Acidity ..... p/t.
Residue on ignition, not more than ..... 0,007 %
Specific gravity 1,035-1,037
Refraction index n $^{20}/D$ 1,431-1,433
Water, not more than ..... 0,2 %
Lead, not more than ..... 1 ppm
Specifications Dir. 2008/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
201545.1214	5 l	4
201545.0716	25 l	

1,2-Propanediol, 99% PS

$C_3H_8O_2$

M: 76,10 CAS: 57-55-6 EINECS: 200-338-0 NC: 2905 32 00

1l~1,040kg 1kg~0,962l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,038-1,042
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
151545.1211	1000 ml	6
151545.1212	2,5 l	4

1,3-Propanediol, 98% PS

$C_3H_8O_2$

M: 79,09 CAS: 504-63-2 EINECS: 207-997-3 NC: 2905 39 85

1l~1,053kg 1kg~0,949l

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A116.1609	250 ml	6
15A116.1611	1000 ml	6

1,3-Propanedithiol, 98% PS

$C_3H_8S_2$

M: 108,22 CAS: 109-80-8 EINECS: 203-706-9 NC: 2930 90 85

1l~1,078kg 1kg~0,927l

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A117.1606	25 ml	6
15A117.1608	100 ml	6

Propanenitrile

(see Propionitrile)

1,2,3-Propanetriol

(see Glycerol)

Propanoic Acid

(see Propionic Acid)

1-Propanol (UV-IR-HPLC-HPLC preparative) PAI

$CH_3CH_2CH_2OH$

M: 60,10 CAS: 71-23-8 EINECS: 200-746-9 NC: 2905 12 00 UN: 1274
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xi **R: 11-41-67 S: 7-16-24-26-39 CE: 603-003-00-0**

1l~0,804kg 1kg~1,244l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,8 %
Density at 20/4 0,803-0,805

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non volatile matter ..... 0,0002 %
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,1 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	208 (Cut off)	210	230	240	250	260-400
A (AU)	1,000	0,824	0,155	0,097	0,027	0,009
T (%)	10	15	70	80	94	98

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 4,0
Eluotropic value E°(Al_2O_3) 0,82
Sol. H_2O in solv. at 20°C ..... miscible
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361885.1611	1000 ml	6
361885.1612	2,5 l	4

VINIKIT

Análisis de vinos
Wine analysis
Analyse des vins

1-Propanol (Reag. USP, Ph. Eur.) PA-ACS

$CH_3CH_2CH_2OH$

M: 60,10 CAS: 71-23-8 EINECS: 200-746-9 NC: 2905 12 00 UN: 1274
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-41-67 S: 7-16-24-26-39 CE: 603-003-00-0**
1l~0,804kg 1kg~1,244l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,803-0,805
Distillation range (>95% dist.) ..... 96-98°C

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,001 %
Acetone (G.C.) ..... 0,01 %
Ethanol (G.C.) ..... 0,01 %
di-n-Propyl Ether (G.C.) ..... 0,1 %
Methanol (G.C.) ..... 0,01 %
2-Propanol (G.C.) ..... 0,05 %
Propionaldehyde (G.C.) ..... 0,01 %
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,0004 meq/g
Alkalinity ..... 0,0006 meq/g
Carbonyl compounds (as C_2H_5CHO) ..... 0,03 %
Water (H_2O) ..... 0,1 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

Order code	Package	Units/Box st.
131885.1611	1000 ml	6
131885.1612	2,5 l	4
131885.1214	5 l	4
131885.0716	25 l	
131885.0718	60 l	

1-Propanol (BP, Ph. Eur.) PRS-CODEX

$CH_3CH_2CH_2OH$

M: 60,10 CAS: 71-23-8 EINECS: 200-746-9 NC: 2905 12 00 UN: 1274
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-41-67 S: 7-16-24-26-39 CE: 603-003-00-0**
1l~0,804kg 1kg~1,244l

SPECIFICATIONS:

Assay (G.C.) ..... 99,5 %
Identity according to Pharmacopoeias ..... p/t.
Density at 20/4 0,803-0,805

MAXIMUM LIMIT OF IMPURITIES

Appearance ..... p/t.
Non-volatile matter ..... 0,004 %
Residual solvents (Ph.Eur./USP) ..... p/t
Reducing substances ..... p/t.
Related substances (G.C.):
Individual peak ..... 0,1 %
Total ..... 0,3 %
Acidity or alkalinity ..... p/t.
Water (H_2O) ..... 0,2 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %
UV Spectrum (1cm cell; Ref.: water)

λ (nm)	230	250	270	290	310
A (AU)	0,300	0,100	0,030	0,020	0,010

Order code	Package	Units/Box st.
141885.1211	1000 ml	6
141885.1212	2,5 l	4
141885.1214	5 l	4
141885.0716	25 l	

1-Propanol, 99,5% PS

$CH_3CH_2CH_2OH$

M: 60,10 CAS: 71-23-8 EINECS: 200-746-9 NC: 2905 12 00 UN: 1274
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-41-67 S: 7-16-24-26-39 CE: 603-003-00-0**
1l~0,804kg 1kg~1,244l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,803-0,805
Non-volatile matter ..... 0,001 %
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
161885.1211	1000 ml	6
161885.1212	2,5 l	4
161885.1714	5 l	4
161885.0616	25 l	

n-Propanol

(see 1-Propanol)

2-Propanol (VLSI) EG

$CH_3CHOHCH_3$

M: 60,10 CAS: 67-63-0 EINECS: 200-661-7 NC: 2905 12 00 UN: 1219
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-67 S: 7-16-24/25-26 CE: 603-003-00-0**
1l~0,785kg 1kg~1,274l

SPECIFICATIONS:

Assay ..... 99,9 %

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,0005 %
Chloride (Cl) ..... 0,0001 %
Nitrate (NO_3) ..... 0,0001 %
Sulphate (SO_4) ..... 0,0001 %
Sulphite (SO_3) ..... 0,0001 %
Acidity ..... 0,2 µeq/g
Alkalinity ..... 0,1 µeq/g
Water (H_2O) ..... 0,1 %
0,5 µm particles ..... 250 /ml

Metals by ICP [µ g/Kg (ppb)]

Ag	10	Cr	10	Ni	10
Al	20	Cu	10	Pb	10
As	10	Fe	50	Sb	10
Au	20	Ga	10	Sn	10
B	20	K	20	Sr	20
Ba	20	Li	10	Ti	10
Bi	10	Mg	50	V	10
Ca	50	Mn	10	Zn	20
Cd	10	Mo	10		
Co	10	Na	50		

Order code	Package	Units/Box st.
871090.1212	2,5 l	4

RE

Reactivos y soluciones para aplicaciones analíticas específicas
Reagents and solutions for specific analytical techniques
Réactifs et solutions pour des applications analytiques spécifiques

2-Propanol (HPLC-gradient grade-UV-IR) PAI

$CH_3CHOHCH_3$

M: 60,10 CAS: 67-63-0 EINECS: 200-661-7 NC: 2905 12 00 UN: 1219
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-67 S: 7-16-24/25-26 CE: 603-003-00-0**
1l~0,785kg 1kg~1,274l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Density at 20/4 0,784-0,786

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0002 %
Acidity ..... 0,0001 meq/g
Alkalinity ..... 0,0001 meq/g
Water (H_2O) ..... 0,05 %
Suitability for IR spectrometry ..... p/t.
Gradient:

λ (nm)	235	254
A (mAU)	1,0	1,0

UV Spectrum (1 cm cell; Ref.: water)*

λ (nm)	207 (Cut off)	220	230	250-400
A (AU)	1,000	0,097	0,046	0,004
T (%)	10	80	90	99

*Read after purging with nitrogen.
Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 3,9
Eluotropic value ε° (Al_2O_3) 0,82
Sol. H_2O in solv. at 20°C ..... miscible
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
221090.1611	1000 ml	6
221090.1612	2,5 l	4

2-Propanol (HPLC) PAI

$CH_3CHOHCH_3$

M: 60,10 CAS: 67-63-0 EINECS: 200-661-7 NC: 2905 12 00 UN: 1219
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-67 S: 7-16-24/25-26 CE: 603-003-00-0**
1l~0,785kg 1kg~1,274l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Density at 20/4 0,784-0,786

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0003 %
Acidity ..... 0,0001 meq/g
Alkalinity ..... 0,0001 meq/g
Water (H_2O) ..... 0,05 %
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	207 (Cut off)	217	232	242	250	260-400
A (AU)	1,000	0,301	0,097	0,046	0,022	0,009
T (%)	10	50	80	90	95	98

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 3,9
Eluotropic value E°(Al_2O_3) 0,82
Sol. H_2O in solv. at 20°C ..... miscible
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361090.1611	1000 ml	6
361090.1612	2,5 l	4
361090.1616	25 l	

2-Propanol (HPLC-preparative) PAI

$CH_3CHOHCH_3$

M: 60,10 CAS: 67-63-0 EINECS: 200-661-7 NC: 2905 12 00 UN: 1219
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-67 S: 7-16-24/25-26 CE: 603-003-00-0**
1l~0,785kg 1kg~1,274l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,8 %
Density at 20/4 0,784-0,786

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0005 %
Acidity ..... 0,0001 meq/g
Alkalinity ..... 0,0001 meq/g
Water (H_2O) ..... 0,05 %
UV Spectrum (1cm cell; Ref.: water)

λ (nm)	220	260-400
A (AU)	0,301	0,009
T (%)	50	98

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
261090.0314	5 l	4

2-Propanol (PAR) PAI

$CH_3CHOHCH_3$

M: 60,10 CAS: 67-63-0 EINECS: 200-661-7 NC: 2905 12 00 UN: 1219
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-67 S: 7-16-24/25-26 CE: 603-003-00-0**
1l~0,785kg 1kg~1,274l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,8 %
Identity ..... IR p/t.
Density at 20/4 0,784-0,786

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0005 %
Acidity ..... 0,0001 meq/g
Alkalinity ..... 0,0001 meq/g
Water (H_2O) ..... 0,1 %
Signal ECD of pesticide (Lindane to DDT) (as Lindane) ..... 5 ng/l
Signal PND of pesticide (Ethylparathion to Coumaphos)
(as Ethylparathion) ..... 5 ng/l
Signal FID of 2-Octanol to Tetradecanol (as 2-Octanol) ..... p/t.

Order code	Package	Units/Box st.
321090.1611	1000 ml	6
321090.1612	2,5 l	4

Químicamente Puro
Chemically Pure
Chimiquement Pur

QP

Productos de pureza controlada para uso general en laboratorio y producción.
Chemicals of controlled purity for general use in laboratory and production.
Produits de qualité controlée pour usage général en laboratoire et en production.

2-Propanol dry (max. 0,01% water) DS-ACS-ISO

$CH_3CHOHCH_3$

M: 60,10 CAS: 67-63-0 EINECS: 200-661-7 NC: 2905 12 00 UN: 1219
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xi **R: 11-36-67 S: 7-16-24/25-26 CE: 603-003-00-0**

1l~0,785kg 1kg~1,274l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,8 %
Identity ..... IR p/t.
Density at 20/4 0,784-0,786

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,001 %
Acetone (G.C.) ..... 0,002 %
Ethanol (G.C.) ..... 0,01 %
Methanol (G.C.) ..... 0,05 %
1-Propanol (G.C.) ..... 0,05 %
Reducing substances to $KMnO_4$ (as O) ..... 0,0005 %
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,0001 meq/g
Alkalinity ..... 0,0001 meq/g
Carbonyl compounds (as Propionaldehyde) ..... 0,002 %
Carbonyl compounds (as Acetone) ..... 0,002 %
Water (H_2O) ..... 0,01 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
481090.1611	1000 ml	6

2-Propanol (Reag. Ph. Eur.) PA-ACS-ISO

$CH_3CHOHCH_3$

M: 60,10 CAS: 67-63-0 EINECS: 200-661-7 NC: 2905 12 00 UN: 1219
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xi **R: 11-36-67 S: 7-16-24/25-26 CE: 603-003-00-0**

1l~0,785kg 1kg~1,274l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,8 %
Identity ..... IR p/t.
Density at 20/4 0,784-0,786
Boiling range ..... 81-83°C

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,001 %
Acetone (G.C.) ..... 0,002 %
Ethanol (G.C.) ..... 0,01 %
Methanol (G.C.) ..... 0,05 %
1-Propanol (G.C.) ..... 0,05 %
Reducing substances to $KMnO_4$ (as O) ..... 0,0005 %
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,0001 meq/g
Alkalinity ..... 0,0001 meq/g
Carbonyl compounds (as Propionaldehyde) ..... 0,002 %
Carbonyl compounds (as Acetone) ..... 0,002 %
Water (H_2O) ..... 0,1 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131090.1611	1000 ml	6
131090.1211	1000 ml	6
131090.1612	2,5 l	4
131090.1212	2,5 l	4
131090.1214	5 l	4
131090.0716	25 l	
131090.0718	60 l	

2-Propanol (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$CH_3CHOHCH_3$

M: 60,10 CAS: 67-63-0 EINECS: 200-661-7 NC: 2905 12 00 UN: 1219
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xi **R: 11-36-67 S: 7-16-24/25-26 CE: 603-003-00-0**

1l~0,785kg 1kg~1,274l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity according to Pharmacopoeias ..... p/t.
Density at 20/20 0,785-0,787
Refractive index n^{20}/D 1,376-1,378

MAXIMUM LIMIT OF IMPURITIES

Appearance ..... p/t.
Non-volatile matter ..... 0,002 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Benzene ..... 0,0002 %
Ethanol (G.C.) ..... 0,05 %
Peroxides ..... p/t.
Related substances ..... 0,3 %
Acidity or alkalinity ..... p/t.
Water (H_2O) ..... 0,5 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

UV Spectrum:

λ (nm)	230	250	270	290	310
A (AU)	0,30	0,10	0,03	0,02	0,01

Complies USP 29 specifications

Order code	Package	Units/Box st.
141090.1211	1000 ml	6
141090.1212	2,5 l	4
141090.1214	5 l	4
141090.0716	25 l	
141090.0718	60 l	
141090.0719	200 l	

2-Propanol (F.C.C.) ADITIO

extraction solvent for industrial food use

$CH_3CHOHCH_3$

M: 60,10 CAS: 67-63-0 EINECS: 200-661-7 NC: 2905 12 00 UN: 1219
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xi **R: 11-36-67 S: 7-16-24/25-26 CE: 603-003-00-0**

1l~0,785kg 1kg~1,274l

SPECIFICATIONS:

Assay (in C_3H_8O), not less than ..... 99,7 %
Acidity (as acetic acid), not more than ..... 10 ppm
Distillation range (including 82,3°C) ..... 1°C
Non-volatile residue, not more than ..... 10 ppm
Solubility in water ..... p/t.
Substances reducing to $KMnO_4$ ..... p/t.
Water, not more than ..... 0,2 %
Arsenic, not more than ..... 1 ppm
Lead, not more than ..... 1 ppm
Specific weight, not less than 0,784
Specifications Dir. 92/115/CEE, F.C.C. 6

Order code	Package	Units/Box st.
201090.1214	5 l	4
201090.0716	25 l	

2-Propanol, 99,7% PS

$CH_3CHOHCH_3$

M: 60,10 CAS: 67-63-0 EINECS: 200-661-7 NC: 2905 12 00 UN: 1219
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xi **R: 11-36-67 S: 7-16-24/25-26 CE: 603-003-00-0**

1l~0,785kg 1kg~1,274l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,7 %
Identity ..... IR p/t.
Density at 20/4 0,784-0,786
Non-volatile matter ..... 0,002 %
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
161090.1211	1000 ml	6
161090.1212	2,5 l	4
161090.1714	5 l	4
161090.0616	25 l	
161090.0619	200 l	

2-Propanol QP

$CH_3CHOHCH_3$

M: 60,10 CAS: 67-63-0 EINECS: 200-661-7 NC: 2905 12 00 UN: 1219
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-36-67 S: 7-16-24/25-26 CE: 603-003-00-0**

1l~0,785kg 1kg~1,274l

SPECIFICATIONS:

Assay (G.C.) ..... 99,5 %
Density at 20/4 0,784-0,786
Acidity ..... 0,0015 meq/g
Alkalinity ..... 0,006 meq/g
Water (H_2O) ..... 0,5 %

Order code	Package	Units/Box st.
211090.1211	1000 ml	6
211090.1214	5 l	4
211090.0716	25 l	
211090.0718	60 l	

2-Propanone

(see Acetone)

Propanoyl Chloride

(see Propionyl Chloride)

2-Propeneamide

(see Acrylamide)

2-Propenenitrile

(see Acrylonitrile)

2-Propenoic Acid

(see Acrylic Acid)

2-Propenoic Acid Methyl Ester

(see Methyl Acrylate)

2-Propen-1-ol

(see Allyl Alcohol)

2-Propenylthiourea

(see N-Allylthiourea)

Propionaldehyde

(see Propanal)

Propionic Acid (Reag. Ph. Eur.) PA-ACS

CH_3CH_2COOH

M: 74,08 CAS: 79-09-4 EINECS: 201-176-3 NC: 2915 50 00 UN: 3463
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C **R: 34 S: 23c-36-45 CE: 607-089-00-0**

1l~0,991kg 1kg~1,009l

SPECIFICATIONS:

Assay (Acidim.) 99,5-100,5%
Identity ..... IR p/t.
Density at 20/4 0,988-0,993

MAXIMUM LIMIT OF IMPURITIES

APHA colour 20
Non-volatile matter ..... 0,01 %
Oxidable easily substances (as HCOOH) ..... 0,10 %
Carbonyl compounds ..... 0,002 %
Water (H_2O) ..... 0,15 %
Heavy metals (as Pb) ..... 0,001 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,02	Cu	0,02	Ni	0,05
Al	0,05	Fe	0,2	Pb	0,02
As	0,1	Ga	0,05	Pt	0,1
Au	0,1	Ge	0,02	Sb	0,02
B	0,05	Hg	0,1	Si	0,1
Ba	0,05	In	0,05	Sn	0,05
Be	0,02	K	0,1	Sr	0,02
Bi	0,05	Li	0,02	Ti	0,02
Ca	0,1	Mg	0,05	Tl	0,02
Cd	0,02	Mn	0,02	V	0,02
Co	0,02	Mo	0,02	Zn	0,1
Cr	0,1	Na	0,3	Zr	0,02

Order code	Package	Units/Box st.
131810.1609	250 ml	6

Propionic Acid (E-280, F.C.C.) ADITIO

CH_3CH_2COOH

M: 74,08 CAS: 79-09-4 EINECS: 201-176-3 NC: 2915 50 00 UN: 3463
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C **R: 34 S: 23c-36-45 CE: 607-089-00-0**

1l~0,991kg 1kg~1,009l

SPECIFICATIONS:

Assay (in $C_3H_6O_2$) calc. a.d.s. 99,5-100,5%
Aldehydes (as Propionaldehyde, about 0,05%) ..... p/t.
Arsenic (as As), not more than ..... 3 ppm
Non-volatile residue, not more than ..... 0,01 %
Easily oxidizable substances (as HCOOH) ..... p/t.
Distillation range ..... 138,5-142,5°C
Specific gravity to 20/20 0,993-0,997
Lead, not more than ..... 2 ppm
Heavy metals (as Pb), not more than ..... 10 ppm
Water, not more than ..... 0,15 %
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201810.1214	5 l	4
201810.0716	25 l	

Propionic Acid, 99% PS

CH_3CH_2COOH

M: 74,08 CAS: 79-09-4 EINECS: 201-176-3 NC: 2915 50 00 UN: 3463
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C **R: 34 S: 23c-36-45 CE: 607-089-00-0**

1l~0,991kg 1kg~1,009l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,988-0,993
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
161810.1611	1000 ml	6
161810.1612	2,5 l	4
161810.1214	5 l	4

Propionic Acid Chloride

(see Propionyl Chloride)

Propionic Acid Sodium Salt

(see Sodium Propionate)

Propionic Aldehyde

(see Propanal)

Propionitrile (UV-HPLC) PAI

C_3H_5N

M: 55,08 CAS: 107-12-0 EINECS: 203-454-4 NC: 2926 90 95 UN: 2404
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: P CAO: 307
HAZARDOUS:

F T **R: 11-23/24/25 S: 16-36/37/39-45**

1l~0,782kg 1kg~1,278l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,9 %
Identity ..... IR p/t.
Density at 20/4 0,781-0,783

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,0001 %
Water (H_2O) ..... 0,01 %
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	195 (Cut off)	210	220	235	250	290-400
A (AU)	1,000	0,301	0,097	0,022	0,009	0,004
T (%)	10	50	80	95	98	99

Fluorescence (as quinine):

λ (nm)	254	365
ppb	1	1

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
365732.1611	1000 ml	6
365732.1612	2,5 l	4

Propionitrile, 99% PS

C_3H_5N

M: 55,08 CAS: 107-12-0 EINECS: 203-454-4 NC: 2926 90 95 UN: 2404
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: P CAO: 307
HAZARDOUS:

F T **R: 11-23/24/25 S: 16-36/37/39-45**
1l~0,782kg 1kg~1,278l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,780-0,784
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
165732.1608	100 ml	6
165732.1610	500 ml	6

Propionyl Chloride, 98% PS

C_3H_5ClO

M: 92,53 CAS: 79-03-8 EINECS: 201-170-0 NC: 2915 90 80 UN: 1815
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F C **R: 11-14-34 S: 9-16-26-45 CE: 607-093-00-2**
1l~1,058kg 1kg~0,945l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,057-1,059

Order code	Package	Units/Box st.
15A859.1608	100 ml	6

Propiophenone, 99% PS

$C_9H_{10}O$

M: 134,18 CAS: 93-55-0 EINECS: 202-257-6 NC: 2914 29 00
1l~1,009kg 1kg~0,991l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,008-1,010

Order code	Package	Units/Box st.
15A858.1611	1000 ml	6

iso-Propyl Acetate

(see Isopropyl Acetate)

2-Propyl Acetate

(see Isopropyl Acetate)

n-Propyl Alcohol

(see 1-Propanol)

iso-Propyl Alcohol

(see 2-Propanol)

Propylene Carbonate, 99% PS

$C_4H_6O_3$

M: 102,09 CAS: 108-32-7 EINECS: 203-572-1 NC: 2920 90 85
HAZARDOUS:

Xi **R: 36 S: 26-39 CE: 607-194-00-1**
1l~1,204kg 1kg~0,830l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,204-1,205

Order code	Package	Units/Box st.
165348.1209	250 ml	6
165348.1211	1000 ml	6

1,2-Propyleneglycol

(see 1,2-Propanediol)

iso-Propyl Ether

(see Di-Isopropyl Ether)

Propyl Gallate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

$C_{10}H_{12}O_5$

M: 212,20 CAS: 121-79-9 EINECS: 204-498-2 NC: 2918 29 80
HAZARDOUS:

Xn **R: 22-43 S: 24-37 CE: 607-198-00-3**
SPECIFICATIONS:
Assay (calc. a.d.s.) 98,0-102,0%
Identity according to Pharmacopoeias ..... p/t.
Melting range ..... 148-150°C
A 1%, 1 cm, λ275 nm, in ethanol 490-515
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in C_2H_5OH ..... p/t.
Residue on ignition (as SO_4) ..... 0,1 %
Loss on drying at 105°C ..... 0,5 %
Residual solvents (Ph.Eur./USP) ..... p/t
Gallic Acid (T.L.C.) ..... 0,5 %
Total Chlorine (as Cl) ..... 0,02 %
Chloride (Cl) ..... 0,01 %
Heavy Metals (as Pb) ..... 0,001 %
Zn ..... 0,0025 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141962.1208	100 g	6
141962.1210	500 g	6
141962.0914	5 kg	

Propyl Gallate (E-310, F.C.C.) ADITIO

$C_{10}H_{12}O_5$

M: 212,20 CAS: 121-79-9 EINECS: 204-498-2 NC: 2918 29 80
HAZARDOUS:

Xn **R: 22-43 S: 24-37 CE: 607-198-00-3**
SPECIFICATIONS:
Assay (as $C_{10}H_{12}O_5$) a.d.s. 99,0-102,0%
Free acids (as $C_7H_6O_5$), not more than ..... 0,5 %
Arsenic (as As), not more than ..... 3 ppm
Organic chlorinated compounds (as Cl), not more than ..... 100 ppm
Residue on ignition, not more than ..... 0,1 %
Loss on drying, not more than ..... 0,5 %
Heavy metals (as Pb), not more than ..... 10 ppm
Lead, not more than ..... 1 ppm
Mercury (Hg), not more than ..... 1 ppm
Melting range (a.d.s.) ..... 146-150°C
A 1%; 1cm; λ275 nm, in ethanol 485-520
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201962.0914	5 kg	

Propyl 4-Hydroxybenzoate, 99% PS

$C_{10}H_{12}O_3$

M: 180,20 CAS: 94-13-3 EINECS: 202-307-7 NC: 2918 29 30
SPECIFICATIONS:
Minimum assay ..... 99 %

Order code	Package	Units/Box st.
15A512.1609	250 g	6
15A512.1611	1000 g	6

Propyl Iodide

(see 1-Iodopropane)

2-iso-Propyl-5-Methylphenol

(see Thymol)

Propylparaben

(see Propyl 4-Hydroxybenzoate)

Protein Cleaning Solution RV

for electrode cleaning
NC: 3822 00 00
1l~1,015kg 1kg~0,985l
Composition:
Pepsin ..... 5,0 g
Hydrochloric Acid 0,1 mol/l s.q.m ..... 100 ml

Order code	Package	Units/Box st.
285252.1209	250 ml	6

Panreac
Reactivos para análisis
Analytical reagents
Réactifs pour analyse

Proteose Peptone (Ingredient) CULTIMED

Ingredient of a high nutritive value for culture media

NC: 3504 00 00

SPECIFICATIONS:

pH 2% solution 6,5-7,5
Loss on drying at 105°C ..... 6 %
Residue on ignition (as SO_4) ..... 12 %
Total Nitrogen ..... ≥10 %

Order code	Package	Units/Box st.
403901.1210	500 g	6
403901.0914	5 kg	
403901.0416	25 kg	

Proteose Peptone n° 3 (Ingredient) CULTIMED

Nutrient for fastidious microorganisms cultivation

NC: 3504 00 00

pH of 2% solution 6,5-7,5
Loss on drying at 105°C ..... 10 %
Residue on ignition (as SO_4) ..... 15 %
Total Nitrogen ..... ≥10 %

Order code	Package	Units/Box st.
403939.1210	500 g	6
403939.0914	5 kg	
403939.0416	25 kg	

Protocatechualdehyde

(see 3,4-Dihydroxybenzaldehyde)

Protocatechuic Acid

(see 3,4-Dihydroxybenzoic Acid)

Pumice Stone granules QP

additive regulator of boiling (see also Rebelein's Kit)

NC: 2513 10 00

Order code	Package	Units/Box st.
211835.1209	250 g	6
211835.1210	500 g	6
211835.0914	5 kg	4

Pyridine dry (max. 0,01% water) DS-ACS

C_5H_5N

M: 79,10 CAS: 110-86-1 EINECS: 203-809-9 NC: 2933 31 00 UN: 1282
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn **R: 11-20/21/22 S: 26-28a CE: 613-002-00-7**

1l~0,982kg 1kg~1,018l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,981-0,982

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,001 %
2-Methylpyridine (G.C.) ..... 0,1 %
Piperidine (G.C.) ..... 0,01 %
Reducing substances to $KMnO_4$ (as O) ..... 0,0005 %
Water (H_2O) ..... 0,01 %
Ammonia (NH_3) ..... 0,002 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,001 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
481457.1611	1000 ml	6

Pyridine (Reag. Ph. Eur.) PA-ACS

C_5H_5N

M: 79,10 CAS: 110-86-1 EINECS: 203-809-9 NC: 2933 31 00 UN: 1282
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn **R: 11-20/21/22 S: 26-28a CE: 613-002-00-7**

1l~0,982kg 1kg~1,018l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,981-0,982

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Insoluble matter in H_2O ..... p/t.
Non-volatile matter ..... 0,001 %
2-Methylpyridine (G.C.) ..... 0,1 %
Piperidine (G.C.) ..... 0,01 %
Reducing substances to $KMnO_4$ (as O) ..... 0,0005 %
Water (H_2O) ..... 0,1 %
Ammonia (NH_3) ..... 0,002 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,001 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131457.1611	1000 ml	6
131457.1612	2,5 l	4
131457.1214	5 l	4
131457.0716	25 l	

Pyridine PRS

C_5H_5N

M: 79,10 CAS: 110-86-1 EINECS: 203-809-9 NC: 2933 31 00 UN: 1282
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn **R: 11-20/21/22 S: 26-28a CE: 613-002-00-7**

1l~0,982kg 1kg~1,018l

SPECIFICATIONS:

Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,981-0,982
Non-volatile matter ..... 0,01 %
2-Methylpyridine (G.C.) ..... 0,2 %
Piperidine (G.C.) ..... 0,05 %
Water (H_2O) ..... 0,3 %
Ammonia (NH_3) ..... 0,005 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141457.1611	1000 ml	6
141457.1612	2,5 l	4
141457.1214	5 l	4
141457.0716	25 l	

Pyridine, 99% PS

C_5H_5N

M: 79,10 CAS: 110-86-1 EINECS: 203-809-9 NC: 2933 31 00 UN: 1282
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn **R: 11-20/21/22 S: 26-28a CE: 613-002-00-7**

1l~0,982kg 1kg~1,018l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,981-0,982
Non-volatile matter ..... 0,001 %
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
161457.1611	1000 ml	6
161457.1612	2,5 l	4
161457.0716	25 l	

Pyridine (max. 0,02% water) according to Karl Fischer RE

for water determination
C_5H_5N
M: 79,10 CAS: 110-86-1 EINECS: 203-809-9 NC: 2933 31 00 UN: 1282
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn
R: 11-20/21/22 S: 26-28a CE: 613-002-00-7
1l~0,982kg 1kg~1,018l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,981-0,982
MAXIMUM LIMIT OF IMPURITIES
Water (H_2O) ..... 0,02 %

Order code	Package	Units/Box st.
171457.1611	1000 ml	6

Pyridine-D5 deuteration degree min. 99,95% (NMR) PAI

C_5D_5N
M: 84,13 CAS: 7291-22-7 EINECS: 230-720-2 NC: 2845 90 10 UN: 1282
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn
R: 11-20/21/22 S: 26-28a-36/37
1l~1,05kg 1kg~0,95l
SPECIFICATIONS:
Deuteration degree min. ..... 99,95 %
NMR suitability ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Water (H_2O+D_2O) ..... 0,02 %

Order code	Package	Units/Box st.
745865.02130	10 x 0,75 ml	6

Pyridine-D5 deuteration degree min. 99,8% (NMR) PAI

C_5D_5N
M: 84,13 CAS: 7291-22-7 EINECS: 230-720-2 NC: 2845 90 10 UN: 1282
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn
R: 11-20/21/22 S: 26-28a-36/37
1l~1,05kg 1kg~0,95l
SPECIFICATIONS:
Deuteration degree min. ..... 99,8 %
NMR suitability ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Water (H_2O+D_2O) ..... 0,03 %

Order code	Package	Units/Box st.
745864.02130	10 x 0,75 ml	6
745864.1605	10 ml	6

Pyridine-D5 deuteration degree min. 99,5% (NMR) PAI

C_5D_5N
M: 84,13 CAS: 7291-22-7 EINECS: 230-720-2 NC: 2845 90 10 UN: 1282
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn
R: 11-20/21/22 S: 26-28a-36/37
1l~1,05kg 1kg~0,95l
SPECIFICATIONS:
Deuteration degree min. ..... 99,5 %
NMR suitability ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Water (H_2O+D_2O) ..... 0,05 %

Order code	Package	Units/Box st.
745863.1605	10 ml	6

3-Pyridinecarboxylic Acid

(see Nicotinic Acid)

Pyridine 2,6-Dicarboxylic Acid, 98% PS

$C_7H_5NO_4$
M: 167,12 CAS: 499-83-2 EINECS: 207-894-3 NC: 2933 39 99
HAZARDOUS:
Xi
R: 36/37/38 S: 26
SPECIFICATIONS:
Minimum assay (Acidim.) ..... 98 %
Identity ..... IR p/t.
Water (H_2O) ..... 0,3 %

Order code	Package	Units/Box st.
15A694.1606	25 g	6
15A694.1608	100 g	6

3-Pyridinesulphonic Acid, 98% PS

$C_5H_5NO_3S$
M: 159,16 CAS: 636-73-7 EINECS: 211-265-9 NC: 2933 39 99 UN: 1759
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:
C
R: 34 S: 26-36/37/39-45
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B853.1606	25 g	6
15B853.1608	100 g	6

Pyridine-Sulphur Trioxide (Complex)

(see Sulphur Trioxide-Pyridine (Complex))

Pyridinium 4-Toluenesulphonate, 99% PS

$C_{12}H_{13}NO_3S$
M: 251,30 CAS: 24057-28-1 EINECS: 246-002-7 NC: 2933 31 00
SPECIFICATIONS:
Minimum assay (Acidim.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 118-120°C

Order code	Package	Units/Box st.
15A852.1206	25 g	6

2-Pyridinoethanol

(see 2-(2-Hydroxyethyl) Pyridine)

4-(2-Pyridylazo) Resorcinol mono-Sodium Salt 1-hydrate (Reag. Ph. Eur.) PA-ACS

for complexometry
$C_{11}H_8N_3NaO_2.H_2O$
M: 255,21 CAS: 16593-81-0 EINECS: 236-339-8 NC: 2933 39 99
SPECIFICATIONS:
Minimum assay (Perchl. Ac.) ..... 99 %
Identity ..... IR p/t.
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... p/t.
Water (H_2O) ..... 7-10 %
Suitability as complexometric indicator according to ACS ..... p/t.

Order code	Package	Units/Box st.
132071.1603	1 g	6

3-(2-Pyridyl)-5,6-Diphenyl-1,2,4-Triazine-4',4"-Disulphonic Acid Disodium Salt PA

$C_{20}H_{12}N_4Na_2O_6S_2$
M: 514,36 CAS: 28048-33-1 EINECS: 248-797-6 NC: 2933 69 80
SPECIFICATIONS:
Identity ..... IR p/t.
A 1%, 1 cm, λ=282 nm, H_2O (a.d.s.) ..... >410
MAXIMUM LIMIT OF IMPURITIES
Water (H_2O) ..... 8 %
Suitability as Fe reagent ..... p/t.

Order code	Package	Units/Box st.
124453.1603	1 g	6

Panreac
Reactivos para análisis
Analytical reagents
Réactifs pour analyse

Pyrocatechol (Reag. USP, Ph. Eur.) PA

$C_6H_6O_2$

M: 110,11 CAS: 120-80-9 EINECS: 204-427-5 NC: 2907 29 00

HAZARDOUS:

Xn

R: 21/22-36/38 S: 22-26-37 CE: 604-016-00-4

SPECIFICATIONS:

Assay (G.C.) ..... 98 %
Melting range ..... 104-105°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,05 %
Residue on ignition (as SO_4) ..... 0,1 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
122365.1209	250 g	6

Pyrocatechol, 98% PS

$C_6H_6O_2$

M: 110,11 CAS: 120-80-9 EINECS: 204-427-5 NC: 2907 29 00

HAZARDOUS:

Xn

R: 21/22-36/38 S: 22-26-37 CE: 604-016-00-4

SPECIFICATIONS:

Assay (G.C.) ..... 98 %
Melting range ..... 104-105°C

Order code	Package	Units/Box st.
152365.1208	100 g	6
152365.1210	500 g	6

Pyrocatechol Violet PA

for complexometry

$C_{19}H_{14}O_7S$

M: 386,38 CAS: 115-41-3 EINECS: 204-088-3 NC: 3204 19 00

Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 440-446 nm
A 1%, 1 cm, λmax ..... ≥430
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 80°C ..... 15 %
Residue on ignition (as SO_4) ..... 1 %

Order code	Package	Units/Box st.
122643.1604	5 g	6

Pyrogallic Acid (Reag. Ph. Eur.) PA-ACS

$C_6H_3(OH)_3$

M: 126,11 CAS: 87-66-1 EINECS: 201-762-9 NC: 2907 29 00

HAZARDOUS:

Xn

R: 20/21/22-68-52/53 S: 36/37-61 CE: 604-009-00-6

SPECIFICATIONS:

Minimum assay (G.C) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 131,0-135,0°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Residue on ignition (as SO_4) ..... 0,005 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
131050.1608	100 g	6

Pyrogallic Acid, 99% PS

$C_6H_3(OH)_3$

M: 126,11 CAS: 87-66-1 EINECS: 201-762-9 NC: 2907 29 00

HAZARDOUS:

Xn

R: 20/21/22-68-52/53 S: 36/37-61 CE: 604-009-00-6

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
151050.1608	100 g	6
151050.1610	500 g	6

Pyrogallol

(see Pyrogallic Acid)

Pyrogallol Red PA

for complexometry

$C_{19}H_{12}O_8S$

M: 400,36 CAS: 85531-30-2 EINECS: 251-134-3 NC: 2932 29 85

SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS in Pyridine/H_2O ..... 540-546 nm
A 1%, 1 cm, λmax ..... ≥850
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 135°C ..... 5 %
Residue on ignition (as SO_4) ..... 1 %

Order code	Package	Units/Box st.
122639.1603	1 g	6

Pyrrodiazol Sodium Salt

(see 1,2,4-Triazole Sodium Salt)

Pyrrole, 98% PS

C_4H_5N

M: 67,09 CAS: 109-97-7 EINECS: 203-724-7 NC: 2933 39 99 UN: 1992
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

T

R: 10-20-25 S: 16-28a-45

1l~0,967kg 1kg~1,034l

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A259.1608	100 ml	6
15A259.1610	500 ml	6

2-Pyrrolecarbaldehyde

(see Pyrrole-2-Carboxaldehyde)

Pyrrole-2-Carboxaldehyde, 98% PS

C_5H_5NO

M: 95,10 CAS: 1003-29-8 EINECS: 213-705-5 NC: 2933 99 90

SPECIFICATIONS:

Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B195.1606	25 g	6
15B195.1608	100 g	6

Pyrrolidine, 99% PS

C_4H_9N

M: 71,12 CAS: 123-75-1 EINECS: 204-648-7 NC: 2933 99 90 UN: 1922
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F C

R: 11-20/22-34 S: 16-26-36/37/39-45

1l~0,865kg 1kg~1,156l

SPECIFICATIONS:

Minimum assay ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,862-0,865
Water (H_2O) ..... 0,3 %

Order code	Package	Units/Box st.
15B037.1609	250 ml	6

2-Pyrrolidinecarboxylic Acid

(see Proline)

1-Pyrrolidinedithiocarboxylic Acid Ammonium Salt PA

$C_5H_{12}N_2S_2$

M: 164,29 CAS: 5108-96-3 EINECS: 225-834-4 NC: 2933 99 90

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition (as SO_4) ..... 0,1 %
Heavy metals (as Pb) ..... 0,001 %
Fe ..... 0,001 %

Order code	Package	Units/Box st.
123405.1605	10 g	6

Pyruvic Acid, 98% PS

$CH_3COCOOH$

M: 88,06 CAS: 127-17-3 EINECS: 204-824-3 NC: 2918 30 00 UN: 3265
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C
R: 34 S: 26-36/37/39
1l~1,267kg 1kg~0,789l
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A915.1608	100 ml	6
15A915.1610	500 ml	6

Pyruvic Acid Sodium Salt

(see Sodium Pyruvate)

Quinaldine Red PA

pH indicator and for titrations in non aqueous medium 1,4 colourless; 3,2 red
$C_{21}H_{23}IN_2$

M: 430,32 CAS: 117-92-0 EINECS: 204-221-5 NC: 2933 49 90
SPECIFICATIONS:
Identity ..... IR p/t.
λ of max. ABS in CH_3COOH ..... 528-533 nm
A 1%, 1 cm, λmax. (calc. a.d.s.) ..... >1150
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C ..... 5 %

Order code	Package	Units/Box st.
122849.1604	5 g	6

5-Quinolinamine

(see 5-Aminoquinoline)

Quinoline, 96% PS

C_9H_7N

M: 129,16 CAS: 91-22-5 EINECS: 202-051-6 NC: 2933 49 90 UN: 2656
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:

Xn
R: 21/22-36 S: 36/37
1l~1,093kg 1kg~0,915l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 96 %
Identity ..... IR p/t.
Density at 20/4 1,092-1,096

Order code	Package	Units/Box st.
15A862.1611	1000 ml	6

8-Quinolinol

(see 8-Hydroxyquinoline)

Quinone

(see 1,4-Benzoquinona)

D(+)-Raffinose 5-hydrate PB

$C_{18}H$₃₂$O_{16}.5H_2O$

M: 594,52 CAS: 17629-30-0 EINECS: 208-146-9 NC: 2940 00 00
SPECIFICATIONS:
Minimum assay (HPLC) ..... 97,0 %
Identity ..... IR p/t.
Specific rotation $[\alpha]^{20}$/D c=10 (in H_2O) ..... +103 to +107°
MAXIMUM LIMIT OF IMPURITIES
Residue on ignition (as SO_4) ..... 0,1 %
Water (H_2O) ..... 16 %

Order code	Package	Units/Box st.
375885.1606	25 g	6
375885.1608	100 g	6

Raney Nickel Alloy

(see Nickel-Aluminium Alloy)

Reagent for organic halogens

(see Sodium Biphenyl)

Reagent of heavy metals A RE

NC: 3822 00 00
HAZARDOUS:

Xi
R: 36/37/38 S: 26-45
1l~1,074kg 1kg~0,931l
SPECIFICATIONS:
Suitability as heavy metals reagent ..... p/t.

Order code	Package	Units/Box st.
176418.1209	250 ml	6

Reagent of heavy metals B RE

NC: 3822 00 00
HAZARDOUS:

C
R: 31-36/37/38-51 S: 26-45-61 CE: 016-009-00-8
SPECIFICATIONS:
1l~1,190kg 1kg~0,840l
Suitability as heavy metals reagent ..... p/t.

Order code	Package	Units/Box st.
176419.1258	60 ml	6

Rebelein's Kit VINIKIT

for determination of reducing sugar, according to Rebelein method
NC: 3822 00 00 UN: 3316
IMDG: 9/III ADR: 9/III IATA: 9/- PAX: 915 CAO: 915
HAZARDOUS:

C N
R: 35-51 S: 26-30-37/39-45-61
Comprised of:
624582 Cupric Solution 0,168 mol/l ..... (1x500 ml)
624573 Alkaline Solution
(Potassium Sodium Tartrate) 0,886 mol/l ..... (1x250 ml)
624572 Potassium Iodide solution 30% w/v ..... (1x500 ml)
624570 Sulphuric Acid solution 16% v/v ..... (1x500 ml)
624576 Sodium Thiosulphate 0,0551 mol/l (0,0551N) ..... (1x1000 ml)
624567 Starch solution 2% ..... (1x500 ml)
211835 Pumice Stone granules ..... (1x5 g)

Order code	Package	Units/Box st.
624901.0922	pack	6

REDOX STANDARDS

(see Standards Redox)

Red Primary Solution (BP, Ph. Eur.) PA

for determination of the coloration grade in liquids.
NC: 3822 00 00 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 914 CAO: 914
HAZARDOUS:

T N
R: 49-E22-42/43-51/53 S: 22-53-45-60-61
1l~1,035kg 1kg~0,966l
SPECIFICATIONS:
Assay (as $CoCl_2.6H_2O$) ..... 59,4-59,6 g/l
Density at 20/4 1,030-1,035

Order code	Package	Units/Box st.
125416.1208	100 ml	6

Reinecke Salt (Reag. USP, Ph. Eur.) PA-ACS

$NH_4[Cr(SCN)_4(NH_3)_2].H_2O$

M: 354,42 CAS: 13573-16-5 EINECS: 237-003-3 NC: 2842 90 80 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T N
R: 49-E20/21/22-29-32-43-50/53 S: 22-26-36/37/39-45-60-61
CE: 615-004-00-3
SPECIFICATIONS:
Minimum assay ..... 93,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble in HCl dil ..... 0,05 %
Sensitivity to choline chloride ..... p/t.

Order code	Package	Units/Box st.
134220.1605	10 g	6
134220.1606	25 g	6

Resazurin PA

pH indicator 5,0 pink; 7,0 blue violet
$C_{12}H_6NNaO_4$

M: 251,17 CAS: 62758-13-8 EINECS: 263-718-5 NC: 3204 13 00
SPECIFICATIONS:
Identity ..... IR p/t.
λ of max. ABS in NaOH 0,002 mol/l ..... 597-602 nm
A 1%, 1 cm, λmax ..... >1625
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
pH transition interval:
pink 5,0
blue-violet 7,0
Loss on drying at 135°C ..... 10 %

Order code	Package	Units/Box st.
121591.1604	5 g	6

Resazurin DC

for microscopy, sterility test
$C_{12}H_6NNaO_4$
M: 251,17 CAS: 62758-13-8 EINECS: 263-718-5 NC: 3204 13 00
SPECIFICATIONS:
Identity.....IR p/t.
λ of max. ABS in NaOH 0,002 mol/l..... 597-602 nm
A 1%, 1 cm, λmax.....>1625
Ratio λmax. P±15 nm..... 1,15-1,25
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 135°C..... 10 %

Order code	Package	Units/Box st.
251591.1604	5 g	6

Resazurin tablets of 0,25 g RE

for analysis of milk
NC: 3822 00 00
Composition:
Resazurin..... 0,84 %
Polyethylene Glycol 6000..... 2 %
Sodium Chloride..... 97,16 %

Order code	Package	Units/Box st.	
174602.1206	25 g	6	(*)

Resorcinol PA

$C_6H_6O_2$
M: 110,11 CAS: 108-46-3 EINECS: 203-585-2 NC: 2907 21 00 UN: 2876
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:
Xn N
R: 22-36/38-50 S: 26-61 CE: 604-010-00-1
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,0 %
Identity.....IR p/t.
Melting range..... 110-112°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O..... 0,01 %
Residue on ignition (as SO_4)..... 0,05 %
Acidity (as HCl)..... 0,004 %
Alkalinity (as NaOH)..... 0,004 %
Diresorcinol and Phenol ..... p/t.

Order code	Package	Units/Box st.
121603.1208	100 g	6
121603.1210	500 g	6

Resorcinol (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_6H_6O_2$
M: 110,11 CAS: 108-46-3 EINECS: 203-585-2 NC: 2907 21 00 UN: 2876
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:
Xn N
R: 22-36/38-50 S: 26-61 CE: 604-010-00-1
SPECIFICATIONS:
Assay (calc. a.d.s.).....99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
Melting range..... 109-111°C
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in H_2O..... 0,01 %
Loss on drying..... 1,0 %
Residue on ignition (as SO_4)..... 0,05 %
Ordinary impurities (T.L.C.)..... 0,5 %
Organic volatile impurities..... p/t.
Acidity or alkalinity..... p/t.
Phenol ..... p/t.
Pyrocatechol..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
141603.1208	100 g	6
141603.1209	250 g	6
141603.0914	5 kg	
141603.0416	25 kg	

Resorcinol, 99% PS

$C_6H_6O_2$
M: 110,11 CAS: 108-46-3 EINECS: 203-585-2 NC: 2907 21 00 UN: 2876
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:
Xn N
R: 22-36/38-50 S: 26-61 CE: 604-010-00-1
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity.....IR p/t.
Melting range..... 110-112°C

Order code	Package	Units/Box st.
161603.1209	250 g	6
161603.1211	1000 g	6

(*) 1000 tablets of 0,25 g

α-Resorcylic Acid

(see 3,5-Dihydroxybenzoic Acid)

Reticulin Kit DC

for reticulin fibres staining
NC: 3822 00 00
Comprised of:
1x25ml Reticulin Kit Reagent A
1x25ml Reticulin Kit Reagent B
1x25ml Reticulin Kit Reagent C
1x25ml Reticulin Kit Reagent D
1x25ml Reticulin Kit Reagent E
1x25ml Reticulin Kit Reagent F
1x25ml Reticulin Kit Reagent G
1 instructions sheet

Order code	Package	Units/Box st.
255115.0922	pack	6

L(+)-Rhamnose 1-hydrate PB

$C_6H_{12}O_5.H_2O$
M: 182,17 CAS: 10030-85-0 EINECS: 222-793-4 NC: 2940 00 00
SPECIFICATIONS:
Minimum assay (HPLC)..... 98 %
Identity.....IR p/t.
Melting range..... 90-91°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O..... p/t.
Residue on ignition (as SO_4)..... 0,1 %
Water (H_2O).....8,5-10,5 %

Order code	Package	Units/Box st.
375766.1605	10 g	6
375766.1606	25 g	6

RHENIUM SOLUTIONS

(see Standards for ICP)

Rhodamine B (C.I. 45170) PA

Sb reagent
$C_{28}H_{31}ClN_2O_3$
M: 479,02 CAS: 81-88-9 EINECS: 201-383-9 NC: 3204 13 00
HAZARDOUS:
Xn
R: 22-41 S: 26-39
SPECIFICATIONS:
Identity.....IR p/t.
λ of max. ABS in H_2O ..... 550-554 nm
A 1%, 1cm, λmax. (calc. a.d.s.) .....>2100
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 135°C..... 15 %

Order code	Package	Units/Box st.
121604.1606	25 g	6
121604.1608	100 g	6

Rhodamine B (C.I. 45170) DC

for microscopy, fluorescent staining
$C_{28}H_{31}ClN_2O_3$
M: 479,02 CAS: 81-88-9 EINECS: 201-383-9 NC: 3204 13 00
HAZARDOUS:
Xn
R: 22-41 S: 26-39
SPECIFICATIONS:
Identity.....IR p/t.
λ of max. ABS in H_2O ..... 550-554 nm
A 1%, 1cm, λmax (calc. a.d.s.) .....>2100
Ratio λmax, P ± 15 nm..... 1,10-1,37
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 135°C..... 5 %

Order code	Package	Units/Box st.
251604.1606	25 g	6
251604.1608	100 g	6

Rhodamine B in ethanol absolute, TLC developer RE

$C_{28}H_{31}ClN_2O_3$
M: 479,02 CAS: 81-88-9 NC: 3822 00 00 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F
R: 11 S: 7-16
1l~0,787kg 1kg~1,271l
Composition:
Rhodamine B.....0,1 g
Ethanol absolute s.q.m.....100 ml

Order code	Package	Units/Box st.
174249.1608	100 ml	6

RHODIUM SOLUTIONS
(see Standards for ICP)

D(-)-Ribose PB
$C_5H_{10}O_5$

M: 150,13 CAS: 50-69-1 EINECS: 200-059-4 NC: 2940 00 00

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Specific rotation $[\alpha]^{20}$/D c=2 (in H_2O) ..... -22 to -18°

MAXIMUM LIMIT OF IMPURITIES
Loss on drying ..... 0,1 %
Residue on ignition ..... 0,1 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0002 %

Order code	Package	Units/Box st.
372074.1205	10 g P	6
372074.1207	50 g P	6

Rochelle Salt
(see Potassium Sodium Tartrate 4-hydrate)

Rosaniline Chloride
(see Fuchsin Basic)

Rose Bengal (C.I. 45440) DC
for microscopy
$C_{20}H_2CI_4I_4Na_2O_5$

M: 1017,65 CAS: 632-69-9 EINECS: 211-183-3 NC: 3212 90 90

SPECIFICATIONS:
Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 542-548 nm
A 1%, 1 cm, λmax. ..... >600
Ratio λmax. P ± 15 nm 1,21-1,95
T.L.C. ..... p/t.

MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C ..... 15 %

Order code	Package	Units/Box st.
253893.1606	25 g	6
253893.1608	100 g	6

Rosolic Acid (C.I. 43800) PA
pH indicator 6,8 yellow; 8,0 red
$(C_6H_4OH)_2CC_6H_4O$

M: 290,32 CAS: 603-45-2 EINECS: 210-041-8 NC: 3212 90 90

HAZARDOUS:
Xi
R: 36/37/38 S: 26-36

SPECIFICATIONS:
Identity ..... IR p/t.
λ of max. ABS in NaOH 0,1 mol/l ..... 524-528 nm
A 1%, 1 cm, λmax ..... >1250
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in C_2H_5OH ..... p/t.
Loss on drying at 135°C ..... 5 %
Residue on ignition (as SO_4) ..... 0,5 %
Cu ..... 0,005 %
Fe ..... 0,005 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
121051.1605	10 g	6
121051.1606	25 g	6
121051.1607	50 g	6

Rubeanic Acid PRS
$(CSNH_2)_2$

M: 120,20 CAS: 79-40-3 EINECS: 201-203-9 NC: 2930 90 85

SPECIFICATIONS:
Insoluble matter in C_2H_5OH ..... p/t.
Residue on ignition (as SO_4) ..... 0,5 %
Sensitivity to Ni and Cu ..... p/t.

Order code	Package	Units/Box st.
141053.1604	5 g	6

RUBIDIUM SOLUTIONS
(see Standards for ICP)

Rubin Acid
(see Fuchsin Acid)

RUTHENIUM SOLUTIONS
(see Standards for ICP)

Saccharose PA-ACS
$C_{12}H_{22}O_{11}$

M: 342,30 CAS: 57-50-1 EINECS: 200-334-9 NC: 1701 99 90

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Specific rotation $[\alpha]^{25}$/D c=26 (in H_2O) ..... +66,3 to +66,8°

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 105°C ..... 0,03 %
Residue on ignition (as SO_4) ..... 0,01 %
Acidity ..... 0,0008 meq/g
Inverted sugar ..... 0,05 %
Nitrogen compounds (as N) ..... 0,001 %
Chloride (Cl) ..... 0,002 %
Sulphate and Sulphite (as SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0001 %

Metals by ICP [mg/Kg (ppm)]

Al	5	Fe	5	Pt	5
Au	5	Ga	5	Sb	5
B	5	Ge	5	Si	10
Ba	5	In	5	Sn	5
Be	5	K	50	Sr	5
Bi	5	Mg	20	Ti	5
Ca	50	Mn	5	Tl	5
Cd	5	Mo	5	V	5
Co	5	Na	50	Zn	5
Cr	5	Ni	5	Zr	5
Cu	5	Pb	0,5		

Order code	Package	Units/Box st.
131621.1210	500 g P	6
131621.1211	1000 g P	6
131621.0914	5 kg PP	4
131621.0416	25 kg PP	

Saccharose (RFE, USP-NF, BP, Ph. Eur., DAB, JP) PRS-CODEX
$C_{12}H_{22}O_{11}$

M: 342,30 CAS: 57-50-1 EINECS: 200-334-9 NC: 1701 99 90

SPECIFICATIONS:
Identity according to Pharmacopoeias ..... p/t.
Specific rotation $[\alpha]^{25}$/D c=26 (in H_2O) a.d.s (USP) ..... > +65,9°
Specific rotation $[\alpha]^{20}$/D c=26 (in H_2O) ..... +66,3 a +67,0°

MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Specific conductance at 20°C ..... $35x10^{-6}ohm^{-1}cm^{-1}$
Loss on drying at 105°C ..... 0,1 %
Residue on ignition (as SO_4) ..... 0,02 %
Acidity or alkalinity ..... p/t.
Dextrin ..... p/t.
Reducing sugars ..... p/t.
Inverted sugar ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t
Colour value 45
Chloride (Cl) ..... 0,0035 %
Sulphate (SO_4) ..... 0,006 %
Sulphite (SO_2) ..... 0,0010 %
Heavy metals (as Pb) ..... 0,0005 %
Ba ..... p/t.
Ca ..... p/t.
Fe ..... 0,0005 %
Pb ..... 0,00005 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141621.1211	1000 g P	6
141621.0914	5 kg PP	4
141621.0416	25 kg PP	

SACCHAROSE SOLUTIONS

Saccharose solutions pack (14,9% w/w, 19,4% w/w, 23,8% w/w) VINIKIT
for refractometers calibration
$C_{12}H_{22}O_{11}$

M: 342,12 CAS: 57-50-1 EINECS: 200-334-9 NC: 1701 99 90

Comprised of:
624867 Saccharose solution 14,9% w/w (3x10ml)
624868 Saccharose solution 19,4% w/w (3x10ml)
625241 Saccharose solution 23,8% w/w (3x10ml)

Order code	Package	Units/Box st.
625484.2122	3 x 3 x 10 ml	6

Saccharose solution 14,9% w/w VINIKIT
for refractometers calibration
$C_{12}H_{22}O_{11}$

M: 342,12 CAS: 57-50-1 EINECS: 200-334-9 NC: 1701 99 90

1l~1,059kg 1kg~0,944l

Order code	Package	Units/Box st.
624867.1211	1000 ml P	6

Saccharose solution 19,4% w/w VINIKIT

for refractometers calibration
$C_{12}H_{22}O_{11}$
M: 342,12 CAS: 57-50-1 EINECS: 200-334-9 NC: 1701 99 90
1l~1,079kg 1kg~0,927l

Order code	Package	Units/Box st.
624868.1211	1000 ml	6

Saccharose solution 23,8% w/w VINIKIT

for refractometers calibration
$C_{12}H_{22}O_{11}$
M: 342,12 CAS: 57-50-1 EINECS: 200-334-9 NC: 1701 99 90
1l~1,099kg 1kg~0,910l

Order code	Package	Units/Box st.
625241.1211	1000 ml	6

Safranine O (C.I. 50240) DC

for microscopy, nucleus staining, according to Gram
$C_{20}H_{19}ClN_4$
M: 350,85 CAS: 477-73-6 EINECS: 207-518-8 NC: 3204 13 00
SPECIFICATIONS:
Identity....IR p/t.
λ of max. ABS in C_2H_5OH 50%.... 530-534 nm
A 1%, 1 cm, λmax....>875
Ratio λmax. P ± 15 nm.... 1,10-1,32
T.L.C .... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C.... 15 %

Order code	Package	Units/Box st.
251622.1605	10 g	6
251622.1607	50 g	6

SAFRANINE O SOLUTIONS

Safranine O solution 0,2% DC

for microscopy, nucleus staining, according to Gram
$C_{20}H_{19}ClN_4$
M: 350,85 CAS: 477-73-6 EINECS: 207-518-8 NC: 3204 13 00
1l~0,997kg 1kg~1,003l
Composition:
Safranine O....0,2 g
Water s.q.m ....100 ml

Order code	Package	Units/Box st.
251623.1208	100 ml	6

Safranine O solution according to Gram-Hucker DC

for microscopy, nucleus staining according to Hucker (see also Kit for Staining Gram-Hucker)
NC: 3204 13 00
1l~0,990kg 1kg~1,010l
Composition:
Safranine O....0,25 g
Ethanol absolute....10 ml
Water s.q.m ....100 ml

Order code	Package	Units/Box st.
252531.1208	100 ml	6
252531.1209	250 ml	6
252531.1211	1000 ml	6

Safranine O solution 1% DC

for microscopy, nucleus staining according to Gram
$C_{20}H_{19}ClN_4$
M: 350,85 CAS: 477-73-6 EINECS: 207-518-8 NC: 3204 13 00
1l~0,998kg 1kg~1,002l
Composition:
Safranine O....1 g
Water s.q.m ....100 ml

Order code	Package	Units/Box st.
252533.1208	100 ml	6

Safranine T

(see Safranine O)

D(-)-Salicin PB

$C_{13}H_{18}O_7$
M: 286,28 CAS: 138-52-3 EINECS: 205-331-6 NC: 2938 90 90
SPECIFICATIONS:
Identity....IR p/t.
Melting range.... 198-202°C
Specific rotation $[\alpha]^{20}/D$ c=3 (in H_2O) .... -60 to -64,5°

Order code	Package	Units/Box st.
373677.1205	10 g	6

Salicylamide (USP) PRS-CODEX

$C_7H_7NO_2$
M: 137,14 CAS: 65-45-2 EINECS: 200-609-3 NC: 2924 29 95
HAZARDOUS:
Xn
R: 22 S: 22-24/25
SPECIFICATIONS:
Assay calc. a.d.s ....99-101 %
Identity according to Pharmacopoeias .... p/t.
Melting range.... 139-142°C
T.L.C. .... p/t.
MAXIMUM LIMIT OF IMPURITIES
Residue on ignition (as SO_4) ....0,1 %
Water (H_2O) ....0,5 %
Residual solvents (Ph.Eur./USP).... p/t
Heavy metals (as Pb)....0,001 %
Cu ....0,001 %
Fe....0,001 %
Ni ....0,001 %
Pb ....0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141624.1209	250 g	6
141624.1210	500 g	6

Salicylic Acid PA-ACS

$C_6H_4(OH)COOH$
M: 138,12 CAS: 69-72-7 EINECS: 200-712-3 NC: 2918 21 00
HAZARDOUS:
Xn
R: 22-36 S: 26
SPECIFICATIONS:
Minimum assay (HPLC)....99,0 %
Identity....IR p/t.
Melting range.... 159-161,0°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in C_2H_5OH .... p/t.
Residue on ignition (as SO_4)....0,01 %
Darkened substances by H_2SO_4.... p/t.
Chloride (Cl)....0,001 %
Sulphate (SO_4) ....0,003 %
Heavy metals (as Pb)....0,0005 %
Ca ....0,001 %
Cd....0,0005 %
Co ....0,0005 %
Cr....0,0005 %
Cu ....0,0002 %
Fe....0,0002 %
K ....0,005 %
Mg ....0,0005 %
Mn ....0,0005 %
Na ....0,05 %
Ni ....0,0002 %
Pb ....0,0002 %
Zn ....0,0005 %

Order code	Package	Units/Box st.
131045.1208	100 g	6
131045.1211	1000 g	6

Salicylic Acid (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_6H_4(OH)COOH$
M: 138,12 CAS: 69-72-7 EINECS: 200-712-3 NC: 2918 21 00
HAZARDOUS:
Xn
R: 22-36 S: 26
SPECIFICATIONS:
Assay (Acidim.) calc. a.d.s....99,5-100,5 %
Identity according to Pharmacopoeias .... p/t.
Melting range.... 159-161°C
T.L.C. .... p/t.
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution .... p/t.
Insoluble matter in C_2H_5OH .... p/t.
Loss on drying....0,5 %
Residue on ignition (as SO_4) ....0,05 %
Residual solvents (Ph.Eur./USP).... p/t.
Darkened substances by H_2SO_4.... p/t.
Related substances (HPLC) ....0,2 %
Chloride (Cl)....0,01 %
Sulphate (SO_4) ....0,02 %
Heavy metals (as Pb)....0,002 %
Cu ....0,0005 %
Fe....0,0005 %
Ni ....0,0005 %
Pb ....0,0005 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141045.1210	500 g	6
141045.1211	1000 g	6
141045.0914	5 kg	
141045.0416	25 kg	

Salicylic Acid, 99% PS

$C_6H_4(OH)COOH$

M: 138,12 CAS: 69-72-7 EINECS: 200-712-3 NC: 2918 21 00

HAZARDOUS:

Xn **R: 22-36 S: 26**

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
151045.1208	100 g	6
151045.1210	500 g	6

Salicylic Acid Methyl Ester

(see Methyl Salicylate)

Salicylic Acid Sodium Salt

(see Sodium Salicylate)

SAMARIUM SOLUTIONS

(see Standards for ICP)

SCANDIUM SOLUTIONS

(see Standards for ICP)

Schiff's Reagent DC

NC: 3822 00 00

1l~1,010kg 1kg~0,990l

Composition:

Pararosaniline ..... 0,1 g
Sodium Sulphite solution 10% ..... 10 ml
Hydrochloric Acid 35% ..... 3 ml
Water ..... 50 ml

Order code	Package	Units/Box st.
251588.1609	250 ml	6
251588.1611	1000 ml	6

Schiff's Reagent RE

for determination of aldehydes

NC: 3822 00 00

1l~1,010kg 1kg~0,990l

Composition:

Pararosaniline ..... 0,1 g
Sodium Sulphite solution 10% ..... 10 ml
Hydrochloric Acid 35% ..... 3 ml
Water ..... 50 ml

Order code	Package	Units/Box st.
171588.1609	250 ml	6
171588.1611	1000 ml	6

Schlesinger's Reagent DC

for determination of urobilin

NC: 3822 00 00 UN: 1993

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F **R: 11 S: 7-16**

1l~0,812kg 1kg~1,231l

Composition:

Zinc Acetate 2-hydrate ..... 10 g
Water ..... 4 ml
Ethanol absolute ..... 96 ml

Order code	Package	Units/Box st.
251589.1609	250 ml	6

Sea Sand washed, thick grain QP

SiO_2

M: 60,09 CAS: 14808-60-7 EINECS: 238-878-4 NC: 2505 10 00

SPECIFICATIONS:

Soluble matter in HCl ..... 0,2 %
Loss on drying ..... 0,2 %
Chloride (Cl) ..... 0,015 %
Particle size ..... 1-2 mm

Order code	Package	Units/Box st.
211161.1210	500 g	6
211161.1211	1000 g	6
211161.1214	5 kg	4
211161.0416	25 kg	

Sea Sand washed, thin grain QP

SiO_2

M: 60,09 CAS: 14808-60-7 EINECS: 238-878-4 NC: 2505 10 00

SPECIFICATIONS:

Soluble matter in HCl ..... 0,2 %
Loss on drying ..... 0,2 %
Chloride (Cl) ..... 0,015 %
Particle size ..... 0,25-0,30 mm

Order code	Package	Units/Box st.
211160.1210	500 g	6
211160.1211	1000 g	6
211160.1214	5 kg	4
211160.0416	25 kg	

Seignette Salt

(see Potassium Sodium Tartrate 4-hydrate)

Selenium metal powder PRS

Se

M: 78,96 CAS: 7782-49-2 EINECS: 231-957-4 NC: 2804 90 00

HAZARDOUS:

T **R: 23/25-33-53 S: 20/21-28a-45-61 CE: 034-001-00-2**

SPECIFICATIONS:

Assay (Redox) ..... 99 %
Residue on ignition ..... 0,5 %
Nitrogen compounds (as N) ..... 0,01 %
Sulphur compounds (as S) ..... 0,05 %
Cu ..... 0,01 %
Fe ..... 0,05 %
Ni ..... 0,01 %
Pb ..... 0,05 %

Order code	Package	Units/Box st.
141625.1207	50 g	6
141625.1208	100 g	6
141625.1210	500 g	6

SELENIUM SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Selenium Dioxide

(see Selenium(IV) Oxide)

Selenium(IV) Oxide, 97% PS

SeO_2

M: 110,96 CAS: 7446-08-4 EINECS: 231-194-7 NC: 2811 29 90 UN: 3283

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T N **R: 23/25-33-50/53 S: 20/21-28a-45-60-61 CE: 034-002-00-8**

SPECIFICATIONS:

Assay (Iodom.) ..... 97 %

Order code	Package	Units/Box st.
152832.1208	100 g	6
152832.1210	500 g	6

Selenium Reactive Mixture

(see Kjeldahl Catalyst (Cu-Se))

Semicarbazide Hydrochloride PA

CH_6ClN_3O

M: 111,53 CAS: 563-41-7 EINECS: 209-247-0 NC: 2928 00 90 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T **R: 25-36/38 S: 22-37-45**

SPECIFICATIONS:
Minimum assay (Acidim.)..... 99,0 %
Identity..... IR p/t.
Melting range..... 174-177°C

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O..... 0,02 %
Loss on drying at 120°C..... 0,5 %
Residue on ignition (as SO_4)..... 0,05 %
Hydrazine (N_2H_4)..... 0,01 %
Sulphate (SO_4)..... 0,05 %
Ca..... 0,005 %
Cd..... 0,001 %
Co..... 0,001 %
Cr..... 0,001 %
Cu..... 0,001 %
Fe..... 0,001 %
K..... 0,005 %
Mg..... 0,005 %
Mn..... 0,001 %
Na..... 0,005 %
Ni..... 0,001 %
Pb..... 0,001 %
Zn..... 0,005 %

Order code	Package	Units/Box st.
122764.1208	100 g P	6

Semicarbazide Hydrochloride, 99% PS

CH_6ClN_3O

M: 111,53 CAS: 563-41-7 EINECS: 209-247-0 NC: 2928 00 90 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T **R: 25-36/38 S: 22-37-45**

SPECIFICATIONS:
Minimum assay (Acidim.)..... 99 %
Identity..... IR p/t.
Melting range..... 174-177°C

Order code	Package	Units/Box st.
162764.1208	100 g P	6
162764.1210	500 g P	6

L-Serine (USP, BP, Ph. Eur.) PRS-CODEX

$C_3H_7NO_3$

M: 105,09 CAS: 56-45-1 EINECS: 200-274-3 NC: 2922 50 00

SPECIFICATIONS:
Assay (Perchl. Ac.) calc. a.d.s. ..... 98,5-101,0 %
Identity according to Pharmacopoeias ..... p/t.
Specific rotation $[\alpha]^{25}/D$ c=10 (in HCl 2M)..... +14,0 to +15,6°
Specific rotation $[\alpha]^{20}/D$ c=10 (in HCl 2M) calc. a.d.s. ..... +14,0 to +16,0°
T.L.C. ..... p/t.

MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Loss on drying at 105°C..... 0,2 %
Residue on ignition (as SO_4)..... 0,1 %
Residual solvents (Ph.Eur./USP)..... p/t.
Chloride (Cl)..... 0,02 %
Sulphate (SO_4)..... 0,03 %
Ammonium (NH_4)..... 0,02 %
Heavy metals (as Pb)..... 0,0010 %
Fe..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
14B099.1208	100 g P	6

L-Serine, 99% PS

$C_3H_7NO_3$

M: 105,09 CAS: 56-45-1 EINECS: 200-274-3 NC: 2922 50 00

SPECIFICATIONS:
Minimum assay ..... 99 %

Order code	Package	Units/Box st.
15B099.1606	25 g	6
15B099.1608	100 g	6
15B099.1610	500 g	6

Silan-Sterol-1 CG

for derivatization (GC)

NC: 3822 00 00 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn **R: 11-20/21/22-36/38 S: 26-28a-36/37/39**

1l~0,940kg 1kg~1,064l
Composition:
Hexamethyldisilazane..... 300 ml
Pyridine dry ..... 900 ml
Trimethylchlorosilane..... 100 ml

Order code	Package	Units/Box st.
355650.0922	20 x 1 ml	6

Silica Gel 3-6 mm with indicator (with cobalt chloride) PA-ACS

CAS: 112926-00-8 EINECS: 231-545-4 NC: 2811 22 00
HAZARDOUS:

T **R: 49-E22-52-53 S: 53-45**

SPECIFICATIONS:
Minimum water absorption capacity
(24 hrs at 80% relative humidity)..... 27 %

MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 150°C..... 2,0 %
Blue colour ..... activated
Pink colour ..... worn out (regenerate)

Order code	Package	Units/Box st.
131335.1211	1000 g P	6
131335.0914	5 kg PP	

Silica Gel 3-6 mm with indicator (with cobalt chloride) QP

CAS: 112926-00-8 EINECS: 231-545-4 NC: 2811 22 00
HAZARDOUS:

T **R: 49-E22-52-53 S: 53-45**

SPECIFICATIONS:
Minimum water absorption capacity
(24 hrs at 80% relative humidity)..... 22 %
Blue colour ..... activated
Pink colour ..... worn out (regenerate)

Order code	Package	Units/Box st.
211335.1210	500 g P	6
211335.1211	1000 g P	6
211335.0914	5 kg PP	4
211335.0416	25 kg PP	

Silica Gel 2,5-6 mm with indicator (without cobalt chloride) PA-ACS

CAS: 112926-00-8 EINECS: 231-545-4 NC: 2811 22 00

SPECIFICATIONS:
Minimum water absorption capacity
(24 hrs at 80% relative humidity)..... 27 %

MAXIMUM LIMIT OF IMPURITIES
Amber colour..... activated
Light yellow colour ..... worn out (regenerate)

Order code	Package	Units/Box st.
135571.1210	500 g P	6
135571.1211	1000 g P	6
135571.0914	5 kg PP	
135571.0416	25 kg PP	

Silica Gel 0,5-1,2 mm with indicator (with cobalt chloride) PA-ACS

CAS: 112926-00-8 EINECS: 231-545-4 NC: 2811 22 00
HAZARDOUS:

T **R: 49-E22-52-53 S: 53-45**

SPECIFICATIONS:
Minimum water absorption capacity
(24 hrs at 80% relative humidity)..... 27 %

MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 150°C..... 2,0 %
Blue colour ..... activated
Pink colour ..... worn out (regenerate)

Order code	Package	Units/Box st.
132921.1210	500 g P	6
132921.1211	1000 g P	6

Silica Gel 0,5-1,2 mm with indicator (with cobalt chloride) QP

CAS: 112926-00-8 EINECS: 231-545-4 NC: 2811 22 00
HAZARDOUS:

T R: 49-E22-52-53 S: 53-45

SPECIFICATIONS:
Minimum water absorption capacity
(24 hrs at 80% relative humidity) ..... 22 %
Blue colour ..... activated
Pink colour ..... worn out (regenerate)

Order code	Package	Units/Box st.
212921.1210	500 g	6
212921.1211	1000 g	6
212921.0914	5 kg	4
212921.0416	25 kg	

Silica Gel 60, 63-200 microns RE

for chromatography in column
CAS: 112926-00-8 NC: 2811 22 00
SPECIFICATIONS:
pH of 10% aqueous suspension 5,5-7,5
MAXIMUM LIMIT OF IMPURITIES
Loss on ignition at 800°C ..... 10 %
Granular size:
Less than 63 µm ..... 7 %
More than 200 µm ..... 12 %
Fe ..... 0,005 %

Order code	Package	Units/Box st.
174275.1211	1000 g	6

Siliceous Earth purified and calcined (USP-NF) PRS-CODEX

CAS: 91053-39-3 EINECS: 293-303-4 NC: 2512 00 00
SPECIFICATIONS:
MAXIMUM LIMIT OF IMPURITIES
Loss on ignition at 980°C ..... 2,0 %
Loss on drying at 105°C ..... 0,5 %
Soluble matter in H_2O ..... 0,2 %
Soluble matter in HCl ..... 2,0 %
Non siliceous substances ..... 25 %
Leachable As ..... 0,001 %
Leachable Pb ..... 0,001 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
142475.1211	1000 g	6
142475.0914	5 kg	4
142475.0416	25 kg	

Siliceous Earth purified and calcined (F.C.C.) ADITIO

CAS: 91053-39-3 EINECS: 293-303-4 NC: 2512 00 00
SPECIFICATIONS:
Loss on ignition (on the dried basis), not more than ..... 0,5 %
Loss on drying, not more than ..... 3,0 %
Non siliceous substances (cal. on the dried basis),
not more than ..... 25,0 %
Arsenic (as As), not more than ..... 10 ppm
Lead, not more than ..... 10 ppm
pH 8,0-11,0
Specifications F.C.C. 6

Order code	Package	Units/Box st.
202475.0914	5 kg	
202475.0416	25 kg	

Siliceous Earth purified and calcined QP

CAS: 91053-39-3 EINECS: 293-303-4 NC: 2512 00 00
SPECIFICATIONS:
pH of 10% solution 5-10
Soluble matter in HCl ..... 2 %
Chloride (Cl) ..... 0,01 %
Heavy metals (as Pb) ..... 0,005 %
Leachable Fe ..... 0,04 %

Order code	Package	Units/Box st.
212475.1211	1000 g	6
212475.0914	5 kg	4
212475.0416	25 kg	

SILICON SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Silicone antifoaming liquid (AQ) QP

for distillation of aqueous products
NC: 3910 00 00
1l~1,00kg 1kg~1,00l
SPECIFICATIONS:
Identity ..... IR p/t.

Order code	Package	Units/Box st.
216241.1208	100 ml	6
216241.1209	250 ml	6
216241.1210	500 ml	6
216241.1214	5 l	4

Silicone antifoaming liquid (ORG) QP

for distillation of organic products
NC: 3910 00 00
1l~0,97kg 1kg~1,03l
SPECIFICATIONS:
Identity ..... IR p/t.

Order code	Package	Units/Box st.
211628.1208	100 ml	6
211628.1209	250 ml	6
211628.1210	500 ml	6
211628.1214	5 l	4

Silicone heat resistant liquid QP

for heater bath
NC: 3910 00 00
1l~0,990kg 1kg~1,010l
SPECIFICATIONS:
Identity ..... IR p/t.

Order code	Package	Units/Box st.
211629.1208	100 ml	6
211629.1209	250 ml	6
211629.1210	500 ml	6
211629.1214	5 l	4

Silicone paste A QP

for greasing at high temperatures
NC: 3910 00 00
SPECIFICATIONS:
Identity ..... IR p/t.

Order code	Package	Units/Box st.
211630.1207	50 g	6
211630.1208	100 g	6

Silicone paste B QP

for greasing at pressure and vacuum. For use at pressures down to 10^{-6} mm Hg.
NC: 3910 00 00
SPECIFICATIONS:
Identity ..... IR p/t.

Order code	Package	Units/Box st.
211631.1207	50 g	6
211631.1208	100 g	6

Silvan

(see 2-Methylfuran)

SILVER SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Silver Acetate PRS

$C_2H_3AgO_2$
M: 166,91 CAS: 563-63-3 EINECS: 209-254-9 NC: 2843 29 00
SPECIFICATIONS:
Assay (Arg.) ..... 98 %
Insoluble matter in HNO_3 and chloride ..... 0,05 %
Non-precipitated by HCl ..... 0,5 %

Order code	Package	Units/Box st.
141851.1606	25 g	6
141851.1608	100 g	6

Silver Carbonate PRS

Ag_2CO_3
M: 275,75 CAS: 534-16-7 EINECS: 208-590-3 NC: 2843 29 00 UN: 1759
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
SPECIFICATIONS:
Assay (Arg.) ..... 99 %
Insoluble matter in HNO_3 ..... 0,05 %
Non-precipitated by HCl ..... 0,5 %
Alkaline carbonates (as Na_2CO_3) ..... 0,1 %
Sulphate (SO_4) ..... 0,01 %
Fe ..... 0,001 %

Order code	Package	Units/Box st.
141800.1606	25 g	6

Silver Chloride PRS

AgCl

M: 143,32 CAS: 7783-90-6 EINECS: 232-033-3 NC: 2843 29 00

SPECIFICATIONS:

Assay ..... 99 %
Insoluble matter in NH_4OH ..... 0,05 %
Cu ..... 0,003 %
Fe ..... 0,003 %
Ni ..... 0,003 %
Pb ..... 0,003 %

Order code	Package	Units/Box st.
141802.1606	25 g	6
141802.1608	100 g	6

Silver Cyanide PRS

AgCN

M: 133,90 CAS: 506-64-9 EINECS: 208-048-6 NC: 2843 29 00 UN: 1684

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T+ N

R: 26/27/28-32-50/53 S: 7-28a-29-45-60-61 CE: 006-007-00-5

SPECIFICATIONS:

Assay (Arg.) ..... 98 %
Insoluble matter in NaCN ..... p/t.
Cu ..... 0,003 %
Fe ..... 0,005 %
Ni ..... 0,003 %
Pb ..... 0,003 %

Order code	Package	Units/Box st.
141894.1606	25 g	6

Silver Diethyldithiocarbamate (Reag. USP, Ph. Eur.) PA-ACS

$C_5H_{10}AgNS_2$

M: 256,14 CAS: 1470-61-7 EINECS: 216-003-7 NC: 2843 29 00

SPECIFICATIONS:

Minimum assay (Arg) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in C_5H_5N ..... p/t.
Sensitivity to As ..... p/t.

Order code	Package	Units/Box st.
132382.1604	5 g	6
132382.1606	25 g	6

Silver Iodide PA

AgI

M: 234,77 CAS: 7783-96-2 EINECS: 232-038-0 NC: 2843 29 00

SPECIFICATIONS:

Minimum assay (Arg.) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in KSCN ..... 0,05 %
Soluble matter in water ..... 0,25 %
Nitrate (NO_3) ..... 0,005 %
Cu ..... 0,003 %
Fe ..... 0,001 %
Ni ..... 0,003 %
Pb ..... 0,003 %

Order code	Package	Units/Box st.
121947.1606	25 g	6

Silver Nitrate EQP-ACS-ISO

Primary Chemical Matter

$AgNO_3$

M: 169,87 CAS: 7761-88-8 EINECS: 231-853-9 NC: 2843 21 00 UN: 1493

IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

C N

R: 34-50/53 S: 26-45-60-61 CE: 047-001-00-2

SPECIFICATIONS:

Assay (Arg.)(after drying with H_2SO_4) 99,95-100,05%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,003 %
Insoluble matter in C_2H_5OH ..... p/t.
Non-precipit. subst. by HCl ..... 0,01 %
Acidity ..... p/t.
Chloride (Cl) ..... 0,0005 %
Sulphate (SO_4) ..... 0,002 %
Bi ..... 0,0005 %
Ca ..... 0,001 %
Cu ..... 0,0002 %
Fe ..... 0,0002 %
Mg ..... 0,001 %
K ..... 0,01 %
Na ..... 0,002 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
241459.1521	10 x 1,5 g	6
241459.1608	100 g	6

Silver Nitrate PA-ACS-ISO

$AgNO_3$

M: 169,87 CAS: 7761-88-8 EINECS: 231-853-9 NC: 2843 21 00 UN: 1493

IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

C N

R: 34-50/53 S: 26-45-60-61 CE: 047-001-00-2

SPECIFICATIONS:

Minimum assay (Arg.) ..... 99,8 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,003 %
Insoluble matter in C_2H_5OH ..... p/t.
Non-precipitated substances by HCl ..... 0,01 %
Acidity ..... p/t.
Chloride (Cl) ..... 0,0005 %
Sulphate (SO_4) ..... 0,002 %

Metals by ICP [mg/Kg (ppm)]

Bi	5	Ge	5	Ni	5
Ca	10	In	5	Pb	10
Co	5	K	100	Sr	5
Cu	2	Mg	10	V	5
Fe	2	Mn	5	Zr	5
Ga	5	Na	20		

Order code	Package	Units/Box st.
131459.1606	25 g	6
131459.1608	100 g	6
131459.1609	250 g	6
131459.1611	1000 g	6

Silver Nitrate (RFE, BP, Ph. Eur.) PRS-CODEX

$AgNO_3$

M: 169,87 CAS: 7761-88-8 EINECS: 231-853-9 NC: 2843 21 00 UN: 1493

IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

C N

R: 34-50/53 S: 26-45-60-61 CE: 047-001-00-2

SPECIFICATIONS:

Assay (Arg.) 99,8-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,005 %
Residual solvents (Ph.Eur./USP) ..... p/t
Acidity or alkalinity ..... p/t.
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,002 %
Foreign salts ..... 0,02 %
Al, Pb, Cu and Bi ..... p/t.
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141459.1606	25 g	6
141459.1608	100 g	6
141459.1609	250 g	6
141459.1611	1000 g	6

SILVER NITRATE SOLUTIONS

Silver Nitrate solution 0,5% w/v RE

$AgNO_3$

M: 169,87 CAS: 7761-88-8 EINECS: 231-853-9 NC: 2843 21 00

HAZARDOUS:

R: 52 CE: 047-001-00-2

1l~1,004kg 1kg~0,996l

Composition:

Silver Nitrate ..... 0,51 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
171460.1609	250 ml	6

Silver Nitrate solution 2% w/v RE

$AgNO_3$

M: 169,87 CAS: 7761-88-8 EINECS: 231-853-9 NC: 2843 21 00

HAZARDOUS:

R: 52 CE: 047-001-00-2

1l~1,014kg 1kg~0,986l

Composition:

Silver Nitrate ..... 2,1 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
171462.1609	250 ml	6

Silver Nitrate volumetric solution 2,9067% RV

for determination of chloride.1 ml corresponds to 6,074 mg of Cl
$AgNO_3$
M: 169,87 CAS: 7761-88-8 EINECS: 231-853-9 NC: 2843 21 00 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 914 CAO: 914
HAZARDOUS:
R: 51 S: 60-61 CE: 047-001-00-2
1l~1,024kg 1kg~0,977l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
281463.1609	250 ml	6

Silver Nitrate 0,01 mol/l (0,01N) SV

Indicator: Potassium Chromate
$AgNO_3$
M: 169,87 CAS: 7761-88-8 EINECS: 231-853-9 NC: 2843 21 00
1l~1,000kg 1kg~1,000l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
182564.1211	1000 ml	6

Silver Nitrate 0,02 mol/l (0,02N) SV

Indicator: Potassium Chromate
$AgNO_3$
M: 169,87 CAS: 7761-88-8 EINECS: 231-853-9 NC: 2843 21 00
HAZARDOUS:
R: 52 CE: 047-001-00-2
1l~1,004kg 1kg~0,996l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
181465.1211	1000 ml	6

Silver Nitrate 0,05 mol/l (0,05N) SV

Indicator: Potassium Chromate
$AgNO_3$
M: 169,87 CAS: 7761-88-8 EINECS: 231-853-9 NC: 2843 21 00
HAZARDOUS:
R: 52 CE: 047-001-00-2
1l~1,008kg 1kg~0,992l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
182115.1211	1000 ml	6

Silver Nitrate 0,1 mol/l (0,1N) SV

Indicator: Potassium Chromate
$AgNO_3$
M: 169,87 CAS: 7761-88-8 EINECS: 231-853-9 NC: 2843 21 00
HAZARDOUS:
R: 52 CE: 047-001-00-2
1l~1,012kg 1kg~0,988l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
181464.1610	500 ml	6
181464.1211	1000 ml	6
181464.1212	2,5 l	4
181464.1315	10 l	(*)

Silver Nitrate 0,1 mol (16,987g $AgNO_3$) to prepare 1l of 0,1N solution SVc

M: 169,87 CAS: 7761-88-8 EINECS: 231-853-9 NC: 2843 21 00 UN: 1760
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
R: 34-51 S: 26-36/37/39-45-60-61 CE: 047-001-00-2
SPECIFICATIONS:
Titer .....1,000 ±0,002

Order code	Package	Units/Box st.
303117.1920	1 ampoule	6

Silver Nitrate 1 mol/l (1N) SV

Indicator: Potassium Chromate
$AgNO_3$
M: 169,87 CAS: 7761-88-8 EINECS: 231-853-9 NC: 2843 21 00 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 914 CAO: 914
HAZARDOUS:
R: 34-50/53 S: 26-45-60-61 CE: 047-001-00-2
1l~1,138kg 1kg~0,879l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
182116.1610	500 ml	6
182116.1211	1000 ml	6

Silver(I) Oxide PRS

Ag_2O
M: 231,74 CAS: 20667-12-3 EINECS: 243-957-1 NC: 2843 29 00 UN: 1479
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:
R: 8-41-44 S: 26-39
SPECIFICATIONS:
Assay (Arg.) a.d.s.....98 %
Insoluble matter in HNO_3.....0,05 %
Loss on drying at 120°C.....1 %
Non-precipitated substances by HCl.....0,1 %

Order code	Package	Units/Box st.
141933.1606	25 g	6
141933.1608	100 g	6

Silver Sulphate PA-ACS

Ag_2SO_4
M: 311,83 CAS: 10294-26-5 EINECS: 233-653-7 NC: 2843 29 00 UN: 1759
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
SPECIFICATIONS:
Minimum assay (Arg).....99,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O.....0,02 %
Non-precipitated substances by HCl (as SO_4).....0,03 %
Suitability for COD determination according to UNE 77-004-89 ..... p/t.
Chloride (Cl).....0,001 %
Nitrate (NO_3).....0,001 %
Ca.....0,002 %
Cd.....0,0005 %
Co.....0,0005 %
Cu.....0,0005 %
Fe.....0,001 %
K.....0,005 %
Mg.....0,002 %
Na.....0,005 %
Ni.....0,0005 %
Pb.....0,0005 %
Zn.....0,0005 %

Order code	Package	Units/Box st.
131801.1606	25 g	6
131801.1608	100 g	6
131801.1609	250 g	6

Silver Sulphate PRS

Ag_2SO_4
M: 311,83 CAS: 10294-26-5 EINECS: 233-653-7 NC: 2843 29 00 UN: 1759
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
SPECIFICATIONS:
Assay (Arg.).....99 %
Chloride (Cl).....0,003 %
Fe.....0,005 %
Pb.....0,002 %

Order code	Package	Units/Box st.
141801.1606	25 g	6
141801.1608	100 g	6
141801.1609	250 g	6

(*) Sol-Pack pack with tap

SILVER SULPHATE SOLUTIONS

Silver Sulphate solution 6,6 g/l in sulphuric acid RV

for determination of COD
Ag_2SO_4
M: 311,83 NC: 3822 00 00 UN: 3264
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
C
R: 35 S: 26-30-36/37/39-45
1l~1,84 kg 1kg~0,54l
SPECIFICATIONS:
MAXIMUM LIMIT OF IMPURITIES
Suitability for COD determinations ..... p/t.

Order code	Package	Units/Box st.
282922.1611	1000 ml	6
282922.1612	2,5 l	4

Silver Sulphate solution 10 g/l in sulphuric acid RV

for determination of COD according to Norme Française NFT 90-101
Ag_2SO_4
M: 311,83 NC: 3822 00 00 UN: 3264
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
C
R: 35 S: 26-30-36/37/39-45
1l~1,84kg 1kg~0,54l
SPECIFICATIONS:
MAXIMUM LIMIT OF IMPURITIES
Suitability for COD determinations ..... p/t.

Order code	Package	Units/Box st.
283098.1611	1000 ml	6
283098.1612	2,5 l	4

Silver Sulphate solution 80 g/l in sulphuric acid RV

for determination of COD according to DIN 38 409-H
Ag_2SO_4
M: 311,83 NC: 3822 00 00 UN: 3264
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
C
R: 35 S: 26-30-36/37/39-45
1l~1,895kg 1kg~0,528l
SPECIFICATIONS:
MAXIMUM LIMIT OF IMPURITIES
Suitability for COD determinations ..... p/t.

Order code	Package	Units/Box st.
284291.1611	1000 ml	6

Slaked lime

(see Calcium Hydroxide)

Soda Lime with indicator QP

granules
CAS: 8006-28-8 NC: 3822 00 00 UN: 1907
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:
C
R: 35 S: 26-36/37/39-45
SPECIFICATIONS:
Absorption capacity of CO_2 ..... ≥20 %
Loss on drying at 200°C ..... 18 %
Cream colour ..... activated
Blue-violet colour ..... worn out (dispose)

Order code	Package	Units/Box st.
212778.1210	500 g	6
212778.1211	1000 g	6
212778.0914	5 kg	
212778.0416	25 kg	

Sodium metal, sticks (Reag. Ph. Eur.) PA-ACS

Na
M: 22,99 CAS: 7440-23-5 EINECS: 231-132-9 NC: 2805 11 00 UN: 1428
IMDG: 4.3/I ADR: 4.3/I IATA: 4.3/I PAX: P CAO: 412
HAZARDOUS:
F C
R: 14/15-34 S: 5b-8-43f-45 CE: 011-001-00-0
SPECIFICATIONS:
MAXIMUM LIMIT OF IMPURITIES
Nitrogen compounds (as N) ..... 0,0005 %
Chloride (Cl) ..... 0,002 %
Phosphate (PO_4) ..... 0,0005 %
Sulphate (SO_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %
Ba ..... 0,0005 %
Ca ..... 0,05 %
Fe ..... 0,001 %
K ..... 0,05 %
Li ..... 0,002 %

Order code	Package	Units/Box st.
131699.0308	100 g	6
131699.0310	500 g	6

Sodium metal, sticks PRS

Na
M: 22,99 CAS: 7440-23-5 EINECS: 231-132-9 NC: 2805 11 00 UN: 1428
IMDG: 4.3/I ADR: 4.3/I IATA: 4.3/I PAX: P CAO: 412
HAZARDOUS:
F C
R: 14/15-34 S: 5b-8-43f-45 CE: 011-001-00-0
SPECIFICATIONS:
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Fe ..... 0,005 %

Order code	Package	Units/Box st.
141699.0308	100 g	6
141699.0310	500 g	6

Sodium, 99% metal, sticks in vaseline oil PS

Na
M: 22,99 CAS: 7440-23-5 EINECS: 231-132-9 NC: 2805 11 00 UN: 1428
IMDG: 4.3/I ADR: 4.3/I IATA: 4.3/I PAX: P CAO: 412
HAZARDOUS:
F C
R: 14/15-34 S: 5b-8-43f-45 CE: 011-001-00-0
SPECIFICATIONS:
Minimum assay (Acidim.) ..... 99 %

Order code	Package	Units/Box st.
15A865.1608	100 g	6

SODIUM SOLUTIONS

(see Standards for Atomic Absorption, ICP and Ionic Chromatography)

Sodium Acetate anhydrous (Reag. Ph. Eur.) PA-ACS

CH_3COONa
M: 82,03 CAS: 127-09-3 EINECS: 204-823-8 NC: 2915 29 00
SPECIFICATIONS:
Minimum assay (Perchl. Ac.) ..... 99,0 %
pH of 5% solution 7,5-9,2
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 120°C ..... 1,0 %
Chloride (Cl) ..... 0,002 %
Phosphate (PO_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,003 %
Ammonium (NH_4) ..... 0,001 %
Heavy metals (as Pb) ..... 0,001 %
Al ..... 0,001 %
As ..... 0,0001 %
Ca ..... 0,002 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,02 %
Mg ..... 0,001 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131633.1210	500 g	6
131633.1211	1000 g	6
131633.0914	5 kg	4
131633.0416	25 kg	

Sodium Acetate anhydrous (USP) PRS-CODEX

CH_3COONa

M: 82,03 CAS: 127-09-3 EINECS: 204-823-8 NC: 2915 29 00

SPECIFICATIONS:

Assay (Perchl. Ac.) calc. a.d.s 99,0-101,0%
Identity according to Pharmacopoeias ..... p/t.
pH of 3% solution 7,5-9,2

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,05 %
Loss on drying at 120°C ..... 1,0 %
Residual solvents (Ph.Eur./USP) ..... p/t
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
Ammonium (NH_4) ..... 0,005 %
Calcium and Magnesium (as Ca) ..... p/t.
Heavy metals (as Pb) ..... 0,001 %
Al ..... 0,00002 %
As ..... 0,00005 %
Cu ..... 0,001 %
Fe ..... 0,001 %
K ..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
141633.1210	500 g P	6
141633.1211	1000 g P	6
141633.0914	5 kg PP	
141633.0416	25 kg	

Sodium Acetate anhydrous (E-262i, F.C.C.) ADITIO

CH_3COONa

M: 82,03 CAS: 127-09-3 EINECS: 204-823-8 NC: 2915 29 00

SPECIFICATIONS:

Assay (as $C_2H_3O_2Na$) after drying 99,0-101,0%
pH of 1% solution 8,0-9,5
Alkalinity (as Na_2CO_3), not more than ..... 0,2 %
Arsenic (as As), not more than ..... 3 ppm
Loss on drying, not more than ..... 1,0 %
Potassium compounds ..... p/t.
Formic acid, formates and other oxidizable impurities (as HCOOH), not more than ..... 0,1 %
Lead, not more than ..... 2 ppm
Heavy metals (as Pb), not more than ..... 10 ppm
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201633.0914	5 kg PP	
201633.0416	25 kg PP	

Sodium Acetate 3-hydrate PA-ACS-ISO

$CH_3COONa.3H_2O$

M: 136,08 CAS: 6131-90-4 EINECS: 204-823-8 NC: 2915 29 00

SPECIFICATIONS:

Assay (Perchl. Ac.) 99,0-101,0%
pH of 5% solution 7,5-9,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Reducing substances to $KMnO_4$ (as HCOOH). ..... 0,005 %
Chloride (Cl) ..... 0,0005 %
Nitrogen compounds (as N) ..... 0,001 %
Phosphate (PO_4) ..... 0,0005 %
Sulphate (SO_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00005 %

Metals by ICP [mg/Kg (ppm)]

Ag	3	Fe	3	Ni	5
Al	5	Ge	3	Pb	5
B	3	Hg	3	Si	3
Ba	3	In	3	Sr	3
Be	3	K	50	Ti	3
Ca	10	Li	3	V	3
Cd	5	Mg	5	Zn	5
Co	5	Mn	3	Zr	3
Cu	5	Mo	3		

Order code	Package	Units/Box st.
131632.1210	500 g P	6
131632.1211	1000 g P	6
131632.1214	5 kg P	4
131632.0416	25 kg PP	

Sodium Acetate 3-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$CH_3COONa.3H_2O$

M: 136,08 CAS: 6131-90-4 EINECS: 204-823-8 NC: 2915 29 00

SPECIFICATIONS:

Assay (Perchl. Ac.) (calc. a.a.s.) 99,0-101,0%
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 7,5-9,0

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 130°C ..... 39,0-40,5 %
Residual solvents (Ph.Eur./USP) ..... p/t
Reducing substances ..... p/t.
Chloride (Cl) ..... 0,005 %
Nitrogen compounds (as N) ..... 0,005 %
Phosphate (PO_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,003 %
Calcium and magnesium (as Ca) ..... 0,005 %
Heavy metals (as Pb) ..... 0,0006 %
Al ..... 0,00002 %
As ..... 0,00005 %
Cu ..... 0,001 %
Fe ..... 0,001 %
K ..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
141632.1210	500 g P	6
141632.1211	1000 g P	6
141632.1214	5 kg P	4
141632.0416	25 kg PP	

Sodium Acetate 3-hydrate (E-262i, F.C.C.) ADITIO

$CH_3COONa.3H_2O$

M: 136,08 CAS: 6131-90-4 EINECS: 204-823-8 NC: 2915 29 00

SPECIFICATIONS:

Assay (as $C_2H_3O_2Na$) after drying 99,0-101,0%
pH of 1% solution 8,0-9,5
Alkalinity (as Na_2CO_3), not more than ..... 0,05 %
Arsenic (as As), not more than ..... 3 ppm
Loss on drying ..... 36,0-41,0 %
Potassium compounds ..... p/t.
Formic acid, formates and other oxidizable impurities (as HCOOH), not more than ..... 0,1 %
Lead, not more than ..... 2 ppm
Heavy metals (as Pb), not more than ..... 10 ppm
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201632.1214	5 kg P	4
201632.0416	25 kg PP	

Sodium Acetate 3-hydrate QP

$CH_3COONa.3H_2O$

M: 136,08 CAS: 6131-90-4 EINECS: 204-823-8 NC: 2915 29 00

SPECIFICATIONS:

Assay (Perchl. Ac.) ..... 99 %
pH of 5% solution 7,5-9,2
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %

Order code	Package	Units/Box st.
211632.1214	5 kg P	4
211632.0416	25 kg PP	

SODIUM ACETATE SOLUTIONS

Sodium Acetate 0,1 mol/l (0,1M) RV

CH_3COONa

M: 82,03 CAS: 127-09-3 EINECS: 204-823-8 NC: 2915 29 00

1l~1,003kg 1kg~0,997l

SPECIFICATIONS:

Titer ..... 1,0 ±0,1

Order code	Package	Units/Box st.
282298.1211	1000 ml P	6

Sodium Acetate 0,1 mol/l (0,1N) in acetic acid SV

NC: 3822 00 00 UN: 2920

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

C

R: 10-35 S: 23c-26-45

1l~1,053kg 1kg~0,950l

SPECIFICATIONS:

Titer ..... 1,000±0,005

Order code	Package	Units/Box st.
183706.1610	500 ml	6

Sodium Acetate 1 mol/l (1M) RV

CH_3COONa

M: 82,03 CAS: 127-09-3 EINECS: 204-823-8 NC: 2915 29 00

1l~1,040kg 1kg~0,962l

Composition:

Sodium Acetate 3-hydrate ..... 13,7 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
281634.1211	1000 ml	6

Sodium Alginate PB

CAS: 9005-38-3 NC: 3913 10 00

SPECIFICATIONS:

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 15,0 %
Residue on ignition ..... 30 %
Heavy metals (as Pb) ..... 0,004 %

Order code	Package	Units/Box st.
373059.1209	250 g	6
373059.1211	1000 g	6

Sodium Alizarinsulphonate

(see Alizarin Red S)

Sodium and Ammonium Hydrogen Phosphate

(see Ammonium Sodium Hydrogen Phosphate)

Sodium and Potassium Tartrate

(see Potassium Sodium Tartrate 4-hydrate)

di-Sodium Arsenate

(see di-Sodium Hydrogen Arsenate 7-hydrate)

Sodium Arsenate di-Basic

(see di-Sodium Hydrogen Arsenate 7-hydrate)

Sodium meta-Arsenite PA

$NaAsO_2$

M: 129,91 CAS: 7784-46-5 EINECS: 232-070-5 NC: 2842 90 80 UN: 2027

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T N

R: 23/25-50/53 S: 20/21-28a-45-60-61 CE: 033-002-00-5

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 98,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,05 %
Cu ..... 0,05 %
Ni ..... 0,05 %
Pb ..... 0,05 %
Sb ..... 0,05 %

Order code	Package	Units/Box st.
121636.1210	500 g	6
121636.1214	5 kg	4
121636.0716	25 kg	

Sodium meta-Arsenite PRS

$NaAsO_2$

M: 129,91 CAS: 7784-46-5 EINECS: 232-070-5 NC: 2842 90 80 UN: 2027

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T N

R: 23/25-50/53 S: 20/21-28a-45-60-61 CE: 033-002-00-5

SPECIFICATIONS:

Assay (Iodom.) ..... 97 %
Chloride (Cl) ..... 0,05 %
Cu ..... 0,1 %
Ni ..... 0,1 %
Pb ..... 0,1 %

Order code	Package	Units/Box st.
141636.1210	500 g	6
141636.1214	5 kg	4
141636.0716	25 kg	

Sodium meta-Arsenite 0,05 mol/l (0,1N) SV

Indicator: Starch

$NaAsO_2$

M: 129,91 CAS: 7784-46-5 EINECS: 232-070-5 NC: 2842 90 80 UN: 1686

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611

HAZARDOUS:

T

R: 23/25-52/53 S: 20/21-28a-45-60-61 CE: 033-002-00-5

1l~1,013kg 1kg~0,987l

SPECIFICATIONS:

Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
181152.1611	1000 ml	6

Sodium L(+)-Ascorbate (USP) PRS-CODEX

$C_6H_7NaO_6$

M: 198,11 CAS: 134-03-2 EINECS: 205-126-1 NC: 2936 27 00

SPECIFICATIONS:

Assay (Iodom.) calc. a.d.s ..... 99,0-101,0 %
Identity according to Pharmacopoeias ..... p/t.
Specific rotation $[\alpha]^{20}/D$ c=10 (in H_2O) calc. a.d.s. ..... +103 to +108°
pH of 10% solution 7,0-8,0

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 60°C ..... 0,25 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Heavy metals (as Pb) ..... 0,002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
143865.1209	250 g	6
143865.1211	1000 g	6

Sodium L(+)-Ascorbate (E-301, F.C.C) ADITIO

$C_6H_7NaO_6$

M: 198,11 CAS: 134-03-2 EINECS: 205-126-1 NC: 2936 27 00

SPECIFICATIONS:

Assay (as $C_6H_7NaO_6$) a.d.s 99,0-101,0%
Arsenic (as As), not more than ..... 3 ppm
Heavy metals (as Pb), not more than ..... 0,001 %
Lead, not more than ..... 2 ppm
Loss on drying, not more than ..... 0,25 %
pH of 10% solution 6,5-8,0
Specific rotation $[\alpha]^{20}/D$ ..... +103 to+106°
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
203865.1214	5 kg	4

Sodium Azide (Reag. USP, Ph. Eur.) PA

NaN_3

M: 65,01 CAS: 26628-22-8 EINECS: 247-852-1 NC: 2850 00 50 UN: 1687

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T+ N

R: 28-32-50/53 S: 28a-45-60-61 CE: 011-004-00-7

SPECIFICATIONS:

Minimum assay (Cerim.) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,3 %
Loss on drying ..... 0,1 %
Alkalinity (as NaOH) ..... 0,1 %
Chloride (NaCl) ..... 0,05 %

Order code	Package	Units/Box st.
122712.1608	100 g	6
122712.1609	250 g	6
122712.1611	1000 g	6
122712.1214	5 kg	4

Sodium Azide, 99% PS

NaN_3

M: 65,01 CAS: 26628-22-8 EINECS: 247-852-1 NC: 2850 00 50 UN: 1687

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T+ N

R: 28-32-50/53 S: 28a-45-60-61 CE: 011-004-00-7

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99 %

Order code	Package	Units/Box st.
162712.1608	100 g	6
162712.1609	250 g	6
162712.1214	5 kg	4

Sodium Benzoate PA

C_6H_5COONa

M: 144,10 CAS: 532-32-1 EINECS: 208-534-8 NC: 2916 31 00

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 98,0 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Loss on drying at 105°C ..... 1,5 %
Acidity or alkalinity ..... p/t.
Chlorine compounds (as Cl) ..... 0,05 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,02 %
As ..... 0,0003 %
Cu ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
121637.1210	500 g P	6
121637.1211	1000 g P	6
121637.0914	5 kg PP	4

Sodium Benzoate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

C_6H_5COONa

M: 144,10 CAS: 532-32-1 EINECS: 208-534-8 NC: 2916 31 00

SPECIFICATIONS:

Assay (Perchl. Ac.) calc. a.d.s 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Loss on drying at 105°C ..... 1,5 %
Residual solvents (Ph.Eur./USP) ..... p/t
Acidity or alkalinity ..... p/t.
Water (H_2O) ..... 1,5 %
Halogenated compounds:
Ionized Chlorine (Cl) ..... 0,02 %
Total Chlorine (Cl) ..... 0,03 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0003 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141637.1211	1000 g P	6
141637.0914	5 kg PP	

Sodium Benzoate (E-211, F.C.C.) ADITIO

C_6H_5COONa

M: 144,10 CAS: 532-32-1 EINECS: 208-534-8 NC: 2916 31 00

SPECIFICATIONS:

Assay (as $C_7H_5O_2Na$) calc. on the dry basis 99,5-100,5%
Arsenic (as As), not more than ..... 3 ppm
Loss on drying, not more than ..... 1,5 %
Heavy metals (as Pb), not more than ..... 10 ppm
Lead, not more than ..... 2 ppm
Polycyclic acids ..... p/t.
Acidity and alkalinity ..... p/t.
Alkalinity (as NaOH), not more than ..... 0,04 %
Easily oxidable substances ..... p/t.
Organic Chlorine (as monochlorobenz. acid), not more than ..... 0,25 %
Water, not more than ..... 1,5 %
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201637.0914	5 kg PP	
201637.0416	25 kg	

Sodium Bicarbonate

(see Sodium Hydrogen Carbonate)

Sodium Bioxide

(see Sodium Peroxide)

Sodium Biphenyl, Reagent for organic halogens (Reag. USP) PA

~1M in Diethylene Glycol Diethyl Ether

$(C_6H_5)_2Na$

M: 177,20 NC: 3822 00 00 UN: 2920

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

C

R: 10-34 S: 25-36/37/39-45

1l~1,100kg 1kg~0,909l

SPECIFICATIONS:

Suitability as a decomposition reagent for organic halogens ..... p/t.

Order code	Package	Units/Box st.
125565.0922	20 x 15 ml	6

Sodium Bismuthate (Reag. Ph. Eur.) PA

$NaBiO_3$

M: 279,97 CAS: 12232-99-4 EINECS: 235-455-6 NC: 2841 90 85

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 85,0 %

MAXIMUM LIMIT OF IMPURITIES

Soluble peroxides (as O) ..... 0,008 %
Chloride (Cl) ..... 0,002 %
Nitrate (NO_3) ..... 0,004 %
Mn ..... 0,0005 %

Order code	Package	Units/Box st.
121639.1208	100 g P	6
121639.1209	250 g P	6
121639.1214	5 kg P	4

Sodium Bisulphate

(see Sodium Hydrogen Sulphate)

Sodium Bisulphite

(see Sodium Hydrogen Sulphite sol. 40% w/v)

Sodium meta-Bisulphite

(see Sodium Disulphite)

Sodium Bitartrate

(see Sodium Hydrogen Tartrate)

Sodium Borate

(see di-Sodium tetra-Borate)

Sodium meta-Borate 4-hydrate PRS

$NaBO_2.4H_2O$

M: 137,86 CAS: 10555-76-7 EINECS: 231-891-6 NC: 2840 20 90

HAZARDOUS:

Xi

R: 36/37/38 S: 26-36

SPECIFICATIONS:

Assay (Acidim.) ..... 97 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,02 %
Cu ..... 0,005 %
Fe ..... 0,005 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
143958.1210	500 g P	6

di-Sodium tetra-Borate anhydrous PA

flux

$Na_2B_4O_7$

M: 201,22 CAS: 1330-43-4 EINECS: 215-540-4 NC: 2840 11 00

HAZARDOUS:

T

R: 60-61 S: 53-45

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 98,0 %

MAXIMUM LIMIT OF IMPURITIES

Loss on melting ..... 2 %
Chloride (Cl) ..... 0,005 %
Fluoride (F) ..... 0,002 %
Phosphate (PO_4) ..... 0,002 %
Silicate (as SiO_2) ..... 0,05 %
Al ..... 0,002 %
Ca ..... 0,01 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,002 %
K ..... 0,005 %
Mg ..... 0,005 %
Mn ..... 0,0004 %
Ni ..... 0,0005 %
Pb ..... 0,002 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
123052.1209	250 g P	6
123052.1214	5 kg P	4

di-Sodium tetra-Borate anhydrous PRS

$Na_2B_4O_7$

M: 201,22 CAS: 1330-43-4 EINECS: 215-540-4 NC: 2840 11 00

HAZARDOUS:

T

R: 60-61 S: 53-45

SPECIFICATIONS:

Assay (Acidim.) ..... 98 %
Insoluble matter in H_2O ..... 0,05 %
Chloride (Cl) ..... 0,05 %
Phosphate (PO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,005 %
Ca ..... 0,02 %
Cu ..... 0,005 %
Fe ..... 0,005 %
K ..... 0,05 %
Mg ..... 0,02 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
143052.1211	1000 g P	6
143052.1214	5 kg P	4

di-Sodium tetra-Borate 10-hydrate PA-ACS-ISO

$Na_2B_4O_7.10H_2O$

M: 381,37 CAS: 1303-96-4 EINECS: 215-540-4 NC: 2840 19 10

HAZARDOUS:

T

R: 60-61 S: 53-45

SPECIFICATIONS:

Assay (Acidim.) 99,5-103,0%
pH of 0,01 mol/l solution 9,15-9,20

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,001 %
Phosphate (PO_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,0025 %
Ammonium (NH_4) ..... 0,001 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Ca ..... 0,005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Mg ..... 0,002 %
Ni ..... 0,001 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
131644.1210	500 g P	6
131644.1211	1000 g P	6
131644.0914	5 kg PP	
131644.0416	25 kg PP	

di-Sodium tetra-Borate 10-hydrate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

$Na_2B_4O_7.10H_2O$

M: 381,37 CAS: 1303-96-4 EINECS: 215-540-4 NC: 2840 19 10

HAZARDOUS:

T

R: 60-61 S: 53-45

SPECIFICATIONS:

Assay (Acidim.) 99,0-103,0%
Identity according to Pharmacopoeias ..... p/t.
pH of 4% solution 9,0-9,6

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,025 %
Residual solvents (Ph.Eur./USP) ..... p/t
Carbonate and Hydrogen Carbonate ..... p/t.
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
Ammonium (NH_4) ..... 0,001 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0005 %
Ca ..... 0,01 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Mg ..... 0,005 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Complies USP 29 specifications

Order code	Package	Units/Box st.
141644.1210	500 g P	6
141644.1211	1000 g P	6
141644.0914	5 kg PP	
141644.0416	25 kg PP	

di-Sodium tetra-Borate 10-hydrate solution 4,6% VINIKIT

$Na_2B_4O_7.10H_2O$

M: 381,37 CAS: 1303-96-4 EINECS: 215-540-4 NC: 2840 19 10

1l~1,025kg 1kg~0,975l

Composition:

di-Sodium tetra-Borate 10-hydrate ..... 4,6 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
625388.1210	500 ml P	6

Sodium Borohydride (Reag. USP) PA

NaH_4B

M: 37,83 CAS: 16940-66-2 EINECS: 241-004-4 NC: 2850 00 20 UN: 1426

IMDG: 4.3/I ADR: 4.3/I IATA: 4.3/I PAX: P CAO: 412

HAZARDOUS:

F T

R: 15-25-34 S: 14b-26-36/37/39-43f-45

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 98 %

MAXIMUM LIMIT OF IMPURITIES

Chloride (Cl) ..... 0,5 %
Sulphate (SO_4) ..... 0,01 %

Metals by ICP [mg/Kg (ppm)]

As	0,5	Cu	10	Pb	10
Bi	5	Fe	10	Sb	0,5
Ca	200	Hg	0,5	Se	0,5
Cd	10	K	200	Zn	10
Co	10	Mn	10		
Cr	10	Ni	10		

Order code	Package	Units/Box st.
123314.1606	25 g	6
123314.1608	100 g	6

Sodium Borohydride, 96% PS

NaH_4B

M: 37,83 CAS: 16940-66-2 EINECS: 241-004-4 NC: 2850 00 20 UN: 1426

IMDG: 4.3/I ADR: 4.3/I IATA: 4.3/I PAX: P CAO: 412

HAZARDOUS:

F T

R: 15-25-34 S: 14b-26-36/37/39-43f-45

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 96 %

Order code	Package	Units/Box st.
163314.1606	25 g	6
163314.1608	100 g	6

Sodium Bromate PRS

$NaBrO_3$

M: 150,90 CAS: 7789-38-0 EINECS: 232-160-4 NC: 2829 90 40 UN: 1494

IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

O Xi

R: 9-36/38 S: 35

SPECIFICATIONS:

Assay (Iodom.) ..... 99 %
pH of 5% solution 5,0-9,0
Insoluble matter in H_2O ..... 0,025 %
Acidity (as HCl) ..... 0,005 %
Alkalinity (as NaOH) ..... 0,005 %
Nitrogen compounds (as N) ..... 0,003 %
Bromide (Br) ..... 0,05 %
Sulphate (SO_4) ..... 0,05 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141645.1210	500 g P	6
141645.1211	1000 g P	6
141645.1214	5 kg P	4

Sodium Bromide (Reag. USP) PA-ACS

NaBr

M: 102,90 CAS: 7647-15-6 EINECS: 231-599-9 NC: 2827 51 00

SPECIFICATIONS:

Minimum assay (corrected) (Arg.) ..... 99,0 %
pH of 5% solution 5,5-7,5

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Nitrogen compounds (as N) ..... 0,0005 %
Bromate (BrO_3) ..... 0,001 %
Chloride (Cl) ..... 0,2 %
Sulphate (SO_4) ..... 0,002 %
Iodide (I) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0002 %
Ba ..... 0,002 %
Ca ..... 0,002 %
Cu ..... 0,0005 %
Fe ..... 0,0003 %
K ..... 0,1 %
Mg ..... 0,001 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
131646.1210	500 g	6

Sodium Bromide PA

NaBr

M: 102,90 CAS: 7647-15-6 EINECS: 231-599-9 NC: 2827 51 00

SPECIFICATIONS:

Minimum assay (Arg.) ..... 99 %
pH of 5% solution 5,0-8,8

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Nitrogen compounds (as N) ..... 0,005 %
Bromate (BrO_3) ..... p/t.
Chloride (Cl) ..... 0,2 %
Sulphate (SO_4) ..... 0,005 %
Iodide (I) ..... 0,005 %
As ..... 0,0002 %
Ba ..... 0,005 %
Ca ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,001 %
K ..... 0,2 %
Mg ..... 0,005 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
121646.1210	500 g	6
121646.1211	1000 g	6
121646.1214	5 kg	4

Sodium Bromide (RFE, BP, Ph. Eur.) PRS-CODEX

NaBr

M: 102,90 CAS: 7647-15-6 EINECS: 231-599-9 NC: 2827 51 00

SPECIFICATIONS:

Assay (Arg.) calc. a.d.s. ..... 98,0-100,5 %
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 5,0-8,8

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,025 %
Loss on drying at 105°C ..... 3,0 %
Residual solvents (Ph.Eur./USP) ..... p/t
Acidity or alkalinity ..... p/t.
Nitrogen compounds (as N) ..... 0,01 %
Bromate (BrO_3) ..... p/t.
Chloride (Cl) ..... 0,3 %
Sulphate (SO_4) ..... 0,01 %
Iodide (I) ..... p/t.
Magnesium and alkaline-earth metals (as Ca) ..... 0,02 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0002 %
Ba ..... p/t.
Ca ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Mg ..... 0,005 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141646.1210	500 g	6
141646.1211	1000 g	6
141646.1214	5 kg	4

Sodium 1-Butanesulphonate

(see 1-Butane Sulphonic Acid Sodium Salt)

Sodium Cacodylate

(see Cacodylic Acid Sodium Salt 3-hydrate)

Sodium Carbonate anhydrous EQP-ACS-ISO

Primary Chemical Matter

Na_2CO_3

M: 105,99 CAS: 497-19-8 EINECS: 207-838-8 NC: 2836 20 00

HAZARDOUS:

Xi **R: 36 S: 22-26 CE: 011-005-00-2**

SPECIFICATIONS:

Assay (Acidim) after dried at 120°C. 2 h 99,95-100,05%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Reducing substances I_2 ..... 0,005 %
Nitrogen compounds (as N) ..... 0,001 %
Sulphur compounds (as SO_4) ..... 0,003 %
Chloride (Cl) ..... 0,001 %
Phosphate (PO_4) ..... 0,001 %
Silicate (as SiO_2) ..... 0,005 %
Heavy metals (as Pb) ..... 0,0005 %
Al ..... 0,001 %
As ..... 0,0001 %
Ca ..... 0,005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,002 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
241648.1521	10 x 1,5 g	6
241648.1608	100 g	6

Sodium Carbonate anhydrous (Reag. Ph. Eur.) PA-ACS-ISO

Na_2CO_3

M: 105,99 CAS: 497-19-8 EINECS: 207-838-8 NC: 2836 20 00

HAZARDOUS:

Xi **R: 36 S: 22-26 CE: 011-005-00-2**

SPECIFICATIONS:

Minimum assay (Acidim.) after dried at 285°C ..... 99,8 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 285°C ..... 1,0 %
Reducing substances I_2 ..... 0,005 %
Nitrogen compounds (as N) ..... 0,001 %
Sulphur compounds (as SO_4) ..... 0,003 %
Chloride (Cl) ..... 0,001 %
Phosphate (PO_4) ..... 0,001 %
Silicate (as SiO_2) ..... 0,005 %
Heavy metals (as Pb) ..... 0,0005 %
Al ..... 0,001 %
As ..... 0,0001 %
Ca ..... 0,005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,002 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
131648.1210	500 g	6
131648.1211	1000 g	6
131648.0914	5 kg	4
131648.0416	25 kg	

SV

Soluciones valoradas
Volumetric solutions
Solutions volumétriques

Sodium Carbonate anhydrous (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

Na_2CO_3

M: 105,99 CAS: 497-19-8 EINECS: 207-838-8 NC: 2836 20 00

HAZARDOUS:

Xi **R: 36 S: 22-26 CE: 011-005-00-2**

SPECIFICATIONS:

Assay (Acidim.) calc. a.d.s. 99,5-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,025 %
Loss on drying at 300°C ..... 0,5 %
Nitrogen compounds (as N) ..... 0,005 %
Sulphate (SO_4) ..... 0,025 %
Alkaline hydroxides and hydrogen carbonates ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t
Chloride (Cl) ..... 0,01 %
Phosphate (PO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0003 %
Ca ..... 0,01 %
Cu ..... 0,001 %
Fe ..... 0,001 %
K ..... 0,05 %
Mg ..... 0,01 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141648.1210	500 g P	6
141648.1210	500 g P	6
141648.1211	1000 g P	6
141648.0914	5 kg PP	
141648.0416	25 kg PP	

Sodium Carbonate 1-hydrate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

$Na_2CO_3.H_2O$

M: 124,00 CAS: 5968-11-6 EINECS: 207-838-8 NC: 2836 20 00

HAZARDOUS:

Xi **R: 36 S: 22-26 CE: 011-005-00-2**

SPECIFICATIONS:

Assay (Acidim.) calc. a.a.s. 99,5-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,025 %
Loss on drying at 105°C ..... 12,0-15,0 %
Nitrogen compounds (as N) ..... 0,005 %
Alkaline hydroxides and hydrogen carbonates ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t
Chloride (Cl) ..... 0,01 %
Phosphate (PO_4) ..... 0,005 %
Sulphate (SO_4) ..... 0,025 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Ca ..... 0,05 %
Cu ..... 0,001 %
Fe ..... 0,001 %
K ..... 0,05 %
Mg ..... 0,02 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Complies USP 29 specifications

Order code	Package	Units/Box st.
142032.1210	500 g P	6
142032.1211	1000 g P	6
142032.0914	5 kg PP	
142032.0416	25 kg PP	

Sodium Carbonate anhydrous (E-500i, F.C.C.) ADITIO

Na_2CO_3

M: 105,99 CAS: 497-19-8 EINECS: 207-838-8 NC: 2836 20 00

HAZARDOUS:

Xi **R: 36 S: 22-26 CE: 011-005-00-2**

SPECIFICATIONS:

Assay (as Na_2CO_3) after drying 99,5-100,5%
Loss on drying, not more than ..... 1 %
Arsenic, not more than ..... 3 ppm
Mercury, not more than ..... 1 ppm
Lead, not more than ..... 4 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201648.0914	5 kg PP	
201648.0416	25 kg PP	

Sodium Carbonate 1-hydrate (E-500i, F.C.C.) ADITIO

$Na_2CO_3.H_2O$

M: 124,00 CAS: 5968-11-6 EINECS: 207-838-8 NC: 2836 20 00

HAZARDOUS:

Xi **R: 36 S: 22-26 CE: 011-005-00-2**

SPECIFICATIONS:

Assay (as Na_2CO_3) after drying 99,5-100,5%
Loss on drying ..... 12,0-15,0 %
Arsenic, not more than ..... 3 ppm
Lead, not more than ..... 4 ppm
Mercury, not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
202032.0914	5 kg PP	
202032.0416	25 kg PP	

Sodium Carbonate 1-hydrate PA

$Na_2CO_3.H_2O$

M: 124,00 CAS: 5968-11-6 EINECS: 207-838-8 NC: 2836 20 00

HAZARDOUS:

Xi **R: 36 S: 22-26 CE: 011-005-00-2**

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99,5 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Loss on drying at 150°C ..... 13,0-15,0 %
Precipitated by NH_4OH ..... 0,01 %
Reducing substances I_2 (as I) ..... 0,005 %
Nitrogen compounds (as N) ..... 0,001 %
Sulphur compounds (as SO_4) ..... 0,004 %
Chloride (Cl) ..... 0,002 %
Phosphate (PO_4) ..... 0,0005 %
Silicate (as SiO_2) ..... 0,005 %
Heavy metals (as Pb) ..... 0,0005 %
Al ..... 0,001 %
As ..... 0,0001 %
Ca ..... 0,01 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,02 %
Mg ..... 0,01 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
122032.1210	500 g P	6
122032.1211	1000 g P	6
122032.0416	25 kg PP	

Sodium Carbonate 10-hydrate PA-ISO

$Na_2CO_3.10H_2O$

M: 286,14 CAS: 6132-02-1 EINECS: 207-838-8 NC: 2836 20 00

HAZARDOUS:

Xi **R: 36 S: 22-26 CE: 011-005-00-2**

SPECIFICATIONS:

Assay (Acidim.) 99,0-102,0%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Precipitated by NH_4OH ..... 0,01 %
Reducing substances I_2 ..... 0,005 %
Nitrogen compounds (as N) ..... 0,0005 %
Sulphur compounds (as SO_4) ..... 0,003 %
Chloride (Cl) ..... 0,001 %
Phosphate (PO_4) ..... 0,001 %
Silicate (as SiO_2) ..... 0,003 %
Heavy metals (as Pb) ..... 0,0005 %
Al ..... 0,0005 %
As ..... 0,0001 %
Ca ..... 0,003 %
Cu ..... 0,0005 %
Fe ..... 0,0003 %
K ..... 0,005 %
Mg ..... 0,0003 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
131647.1210	500 g P	6
131647.1211	1000 g P	6
131647.0914	5 kg PP	4
131647.0416	25 kg PP	

Sodium Carbonate 10-hydrate PRS

$Na_2CO_3.10H_2O$

M: 286,14 CAS: 6132-02-1 EINECS: 207-838-8 NC: 2836 20 00

HAZARDOUS:

Xi

R: 36 S: 22-26 CE: 011-005-00-2

SPECIFICATIONS:

Assay (Acidim.) ..... 98-102 %
Insoluble matter in H_2O ..... 0,025 %
Nitrogen compounds (as N) ..... 0,002 %
Sulphur compounds (as SO_4) ..... 0,01 %
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0001 %
Ca ..... 0,01 %
Cu ..... 0,001 %
Fe ..... 0,001 %
K ..... 0,05 %
Mg ..... 0,01 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141647.1210	500 g P	6
141647.1211	1000 g P	6
141647.0914	5 kg PP	
141647.0416	25 kg PP	

Sodium Carbonate 10-hydrate (E-500i, F.C.C.) ADITIO

$Na_2CO_3.10H_2O$

M: 286,14 CAS: 6132-02-1 EINECS: 207-838-8 NC: 2836 20 00

HAZARDOUS:

Xi

R: 36 S: 22-26 CE: 011-005-00-2

SPECIFICATIONS:

Assay (as Na_2CO_3) after drying 99,5-100,5%
Loss on drying ..... 55,0-65,0 %
Arsenic, not more than ..... 3 ppm
Lead, not more than ..... 4 ppm
Mercury, not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201647.0914	5 kg PP	
201647.0416	25 kg PP	

Sodium Carbonate 0,5 mol/l (1N) SV

Indicator: Bromophenol Blue

Na_2CO_3

M: 105,99 CAS: 497-19-8 EINECS: 207-838-8 NC: 2836 20 00

1l~1,048kg 1kg~0,954l

SPECIFICATIONS:

Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
181649.1211	1000 ml P	6

Sodium Carbonate-Potassium Carbonate

(see Potassium Carbonate-Sodium Carbonate anhydrous)

Sodium Carboxymethylcellulose

(see Carboxymethylcellulose Sodium Salt)

Sodium Chlorate PA-ACS

$NaClO_3$

M: 106,44 CAS: 7775-09-9 EINECS: 231-887-4 NC: 2829 11 00 UN: 1495

IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 509 CAO: 512

HAZARDOUS:

O Xn N

R: 51/53-9-22 S: 61-13-17-46 CE: 017-005-00-9

SPECIFICATIONS:

Minimum assay (Perm.) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Nitrogen compounds (as N) ..... 0,001 %
Bromate (BrO_3) ..... 0,015 %
Chloride (Cl) ..... 0,002 %
Sulphate (SO_4) ..... 0,001 %
Heavy metals (as Pb) ..... 0,001 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Co	5	Mn	5
Al	5	Cr	5	Mo	5
As	0,5	Cu	5	Ni	5
Ba	5	Fe	5	Pb	3
Bi	5	K	100	Sr	5
Ca	20	Li	20	Zn	5
Cd	5	Mg	20	Zr	5

Order code	Package	Units/Box st.
131658.1210	500 g P	6
131658.1214	5 kg P	4

Sodium Chlorate PRS

$NaClO_3$

M: 106,44 CAS: 7775-09-9 EINECS: 231-887-4 NC: 2829 11 00 UN: 1495

IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 509 CAO: 512

HAZARDOUS:

O Xn N

R: 51/53-9-22 S: 61-13-17-46 CE: 017-005-00-9

SPECIFICATIONS:

Assay (Perm.) ..... 99 %
Insoluble matter in H_2O ..... 0,02 %
Nitrogen compounds (as N) ..... 0,005 %
Bromate (BrO_3) ..... 0,05 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0002 %
Ca ..... 0,01 %
Cu ..... 0,001 %
Fe ..... 0,002 %
Mg ..... 0,01 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141658.1210	500 g P	6
141658.1211	1000 g P	6
141658.1214	5 kg P	4
141658.0416	25 kg PP	

Sodium Chloride EQP-ACS-ISO

Primary Chemical Matter

NaCl

M: 58,44 CAS: 7647-14-5 EINECS: 231-598-3 NC: 2501 00 10

SPECIFICATIONS:

Assay (Arg.) after drying at 110°C 99,95-100,05%
pH of 5% solution 5,0-8,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Nitrogen compounds (as N) ..... 0,001 %
Bromide (Br) ..... 0,01 %
Chlorate and nitrate (as NO_3) ..... 0,003 %
Hexacyanoferrate(II) and (III) ($Fe(CN)_6$) ..... 0,0001 %
Phosphate (PO_4) ..... 0,0005 %
Sulphate (SO_4) ..... 0,001 %
Iodide(I) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00004 %
Ba ..... 0,0005 %
Ca ..... 0,002 %
Cu ..... 0,0002 %
Fe ..... 0,0002 %
K ..... 0,005 %
Mg ..... 0,001 %
Ni ..... 0,0005 %
Pb ..... 0,0002 %

Order code	Package	Units/Box st.
241659.1521	10 x 1,5 g	6
241659.1608	100 g	6

Sodium Chloride (max. 0,0000005% Hg) PA-ACS-ISO

NaCl

M: 58,44 CAS: 7647-14-5 EINECS: 231-598-3 NC: 2501 00 10

SPECIFICATIONS:

Minimum assay (Arg.) ..... 99,5 %
pH of 5% solution 5,0-8,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 105°C ..... 0,2 %
Nitrogen compounds (as N) ..... 0,001 %
Bromide (Br) ..... 0,01 %
Chlorate and nitrate (as NO_3) ..... 0,003 %
Hexacyanoferrate(II) and (III) [$Fe(CN)_6$] ..... 0,0001 %
Phosphate (PO_4) ..... 0,0005 %
Sulphate (SO_4) ..... 0,001 %
Iodide(I) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00004 %
Ba ..... 0,0005 %
Ca ..... 0,002 %
Cu ..... 0,0002 %
Fe ..... 0,0002 %
Hg ..... 0,0000005 %
K ..... 0,005 %
Mg ..... 0,001 %
Ni ..... 0,0005 %
Pb ..... 0,0002 %

Order code	Package	Units/Box st.
471659.1209	250 g P	6

Sodium Chloride PA-ACS-ISO

NaCl

M: 58,44 CAS: 7647-14-5 EINECS: 231-598-3 NC: 2501 00 10

SPECIFICATIONS:

Minimum assay (Arg.) ..... 99,5 %
pH of 5% solution 5,0-8,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 105°C ..... 0,2 %
Nitrogen compounds (as N) ..... 0,001 %
Bromide (Br) ..... 0,01 %
Chlorate and nitrate (as NO_3) ..... 0,003 %
Hexacyanoferrate(II) and (III) $[Fe(CN)_6]$ ..... 0,0001 %
Phosphate (PO_4) ..... 0,0005 %
Sulphate (SO_4) ..... 0,001 %
Iodide(I) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00004 %
Ba ..... 0,0005 %
Ca ..... 0,002 %
Cu ..... 0,0002 %
Fe ..... 0,0002 %
K ..... 0,005 %
Mg ..... 0,001 %
Ni ..... 0,0005 %
Pb ..... 0,0002 %

Order code	Package	Units/Box st.
131659.1210	500 g P	6
131659.1211	1000 g P	6
131659.1214	5 kg P	4
131659.0416	25 kg PP	

Sodium Chloride PA

NaCl

M: 58,44 CAS: 7647-14-5 EINECS: 231-598-3 NC: 2501 00 10

SPECIFICATIONS:

Minimum assay (Arg.) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Loss on drying at 105°C ..... 0,2 %
Nitrogen compounds (as N) ..... 0,002 %
Bromide (Br) ..... 0,01 %
Chlorate and nitrate (as NO_3) ..... 0,005 %
Hexacyanoferrate(II) ..... p/t.
Phosphate (PO_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,02 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Ca ..... 0,005 %
Cu ..... 0,0005 %
Fe ..... 0,0002 %
K ..... 0,01 %
Mg ..... 0,002 %
Ni ..... 0,0005 %
Pb ..... 0,0002 %

Order code	Package	Units/Box st.
121659.1210	500 g P	6
121659.1211	1000 g P	6
121659.1214	5 kg P	4
121659.0416	25 kg PP	

VINIKIT

Análisis de vinos
Wine analysis
Analyse des vins

Sodium Chloride (RFE, USP, BP, Ph. Eur., JP) PRS-CODEX

NaCl

M: 58,44 CAS: 7647-14-5 EINECS: 231-598-3 NC: 2501 00 10

SPECIFICATIONS:

Assay (Arg.) calc. a.d.s 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Loss on drying at 105°C ..... 0,5 %
Residual solvents (Ph.Eur./USP) ..... p/t
Acidity and alkalinity ..... p/t.
Nitrogen compounds (as N) ..... 0,005 %
Bromide (Br) ..... 0,005 %
Chlorate and nitrate (as NO_3) ..... 0,01 %
Hexacyanoferrate(II) ..... p/t.
Phosphate (PO_4) ..... 0,001 %
Nitrite (NO_2) ..... p/t.
Sulphate (SO_4) ..... 0,01 %
Iodide ..... p/t.
Calcium, Magnesium and alkaline-earth metals (as Ca) ..... 0,005 %
Heavy metals (as Pb) ..... 0,0005 %
Al ..... 0,00002 %
As ..... 0,0001 %
Ba ..... p/t.
Cu ..... 0,0005 %
Fe ..... 0,0002 %
K ..... 0,05 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141659.1210	500 g P	6
141659.1211	1000 g P	6
141659.1214	5 kg P	4
141659.0416	25 kg PP	

Sodium Chloride (F.C.C.) ADITIO

NaCl

M: 58,44 CAS: 7647-14-5 EINECS: 231-598-3 NC: 2501 00 10

SPECIFICATIONS:

Assay (as NaCl) after drying 99,0-100,5%
Arsenic (as As), not more than ..... 1 ppm
Calcium and Magnesium, not more than ..... 0,35 %
Heavy metals (as Pb), not more than ..... 2 ppm
Loss on drying, not more than ..... 0,5 %
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201659.1214	5 kg P	4
201659.0416	25 kg PP	

Sodium Chloride QP

NaCl

M: 58,44 CAS: 7647-14-5 EINECS: 231-598-3 NC: 2501 00 10

SPECIFICATIONS:

Assay (Arg.) ..... 99,0 %
Insoluble matter in H_2O ..... 0,05 %
As ..... 0,0001 %
Fe ..... 0,005 %

Order code	Package	Units/Box st.
211659.1214	5 kg P	4
211659.0416	25 kg PP	

Sodium Chloride ASTM B117-07 RE

for saline spray (fog)
NaCl

M: 58,44 CAS: 7647-14-5 EINECS: 231-598-3 NC: 2501 00 10

SPECIFICATIONS:

Minimum assay (Arg.) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES

Total impurities ..... 0,3 %
Halides (Bromide, Fluoride, Iodide) ..... 0,1 %
Anti-caking Agents ..... 0,0 %
Cu ..... 0,00003 %

Order code	Package	Units/Box st.
171659.1211	1000 g P	6

Sodium Chloride coarse salt QP

for freezer mixtures
NaCl

M: 58,44 CAS: 7647-14-5 EINECS: 231-598-3 NC: 2501 00 10

SPECIFICATIONS:

Assay (Arg.) ..... 98 %

Order code	Package	Units/Box st.
211939.1211	1000 g P	6
211939.1214	5 kg P	4
211939.0416	25 kg PP	

SODIUM CHLORIDE SOLUTIONS

Sodium Chloride 0,1 mol/l (0,1N) SV

Indicator: Potassium Chromate
NaCl
M: 58,44 CAS: 7647-14-5 EINECS: 231-598-3 NC: 2501 00 10
1l~1,004kg 1kg~0,996l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
181661.1211	1000 ml P	6

Sodium Chloride 1 mol/l (1N) SV

Indicator: Potassium Chromate
NaCl
M: 58,44 CAS: 7647-14-5 EINECS: 231-598-3 NC: 2501 00 99
1l~1,037kg 1kg~0,964l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
184770.1211	1000 ml P	6

Sodium Chloride solution ASTM B117-07 RE

for saline spray (fog)
NaCl
M: 58,44 CAS: 7647-14-5 EINECS: 231-598-3 NC: 2501 00 10
1l~1,035kg 1kg~0,966l
SPECIFICATIONS:
Assay (Arg.).....4-6 %
pH at 25/35°C..... 6,5-7,2
MAXIMUM LIMIT OF IMPURITIES
Total impurities ..... 0,3 %
Halures (Bromide, Fluoride, Iodide)..... 0,1 %
Anti-caking agents ..... 0,0 %
Cu ..... 0,00003 %
This product has been manufactured with Sodium Chloride and Water Type IV which passes the ASTM B117-07 and ASTM D1193-99 Specificaions, respectively.

Order code	Package	Units/Box st.
175305.1315	10 l	(*)

Sodium Chloride for deliming

(see DERQUIM Sodium Chloride)

Sodium Chlorite solution 25% w/w PS

$NaClO_2$
M: 90,44 CAS: 7758-19-2 EINECS: 231-836-6 NC: 2828 90 00 UN: 1908
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:
Xn
R: 20/21/22-32 S: 36
1l~1,21kg 1kg~0,82l
SPECIFICATIONS:
Minimum assay (Iodom) .....24 %*
*At the moment of the batch analysis

Order code	Package	Units/Box st.
161977.1211	1000 ml P	6

Sodium N-Chlorotoluene-4-Sulphonamide

(see Chloramine T 3-hydrate)

Sodium Cholate

(see Cholic Acid Sodium Salt)

(*) Sol-Pack pack with tap

Sodium Chromate PA

Na_2CrO_4
M: 161,97 CAS: 7775-11-3 EINECS: 231-889-5 NC: 2841 50 00 UN: 3288
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T+ N
R: 45-46-60-61-E21-E25-E26-34-42/43-E48/23-50/53
S: 53-45-60-61 CE: 024-018-00-3
SPECIFICATIONS:
Minimum assay (Iodom.) ..... 99,0 %
pH of 5% solution 8,6-9,8
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O..... 0,01 %
Alkalinity (as NaOH)..... 0,04 %
Chloride (Cl)..... 0,005 %
Sulphate (SO_4) ..... 0,05 %
Al ..... 0,003 %
Ca ..... 0,005 %
Cu ..... 0,001 %
Fe..... 0,002 %
K ..... 0,02 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
121664.1210	500 g P	6
121664.1211	1000 g P	6
121664.1214	5 kg P	4
121664.0416	25 kg PP	

Sodium Chromate 4-hydrate PRS

$Na_2CrO_4.4H_2O$
M: 234,03 CAS: 10034-82-9 EINECS: 231-889-5 NC: 2841 50 00 UN: 3288
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T+ N
R: 45-46-60-61-E21-E25-E26-34-42/43-E48/23-50/53
S: 53-45-60-61 CE: 024-017-008
SPECIFICATIONS:
Assay (Iodom.)..... 99 %
Insoluble matter in H_2O..... 0,01 %
Chloride (Cl)..... 0,01 %
Sulphate (SO_4) ..... 0,02 %
Al ..... 0,005 %
Ca ..... 0,005 %
Cu ..... 0,001 %
Fe..... 0,002 %

Order code	Package	Units/Box st.
145224.1210	500 g P	6
145224.1211	1000 g P	6
145224.1214	5 kg P	4
145224.0416	25 kg PP	

Sodium Citrate

(see tri-Sodium Citrate)

Sodium Citrate mono-Basic

(see Sodium di-Hydrogen Citrate)

Sodium Citrate di-Basic

(see di-Sodium Hydrogen Citrate 1 ½-hydrate)

Sodium Citrate tri-Basic

(see tri-Sodium Citrate)

tri-Sodium Citrate 2-hydrate PA-ACS

$C_6H_5Na_3O_7.2H_2O$
M: 294,10 CAS: 6132-04-3 EINECS: 200-675-3 NC: 2918 15 00
SPECIFICATIONS:
Minimum assay (Perchl. Ac.) ..... 99,0 %
pH of 5% solution 7,5-9,0
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O..... 0,003 %
Darkened substances by H_2SO_4..... p/t.
Reducing substances..... p/t.
Chloride (Cl)..... 0,003 %
Phosphate (PO_4) ..... 0,001 %
Oxalate (C_2O_4) ..... 0,01 %
Sulphate (SO_4) ..... 0,005 %
Ammonium (NH_4) ..... 0,001 %
Heavy metals (as Pb)..... 0,0005 %
As ..... 0,00004 %
Ca ..... 0,005 %
Cu ..... 0,0005 %
Fe..... 0,0005 %
K ..... 0,01 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
131655.1210	500 g P	6
131655.1211	1000 g P	6
131655.1214	5 kg P	4
131655.0416	25 kg PP	

tri-Sodium Citrate 2-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_6H_5Na_3O_7.2H_2O$

M: 294,10 CAS: 6132-04-3 EINECS: 200-675-3 NC: 2918 15 00

SPECIFICATIONS:

Assay (Perchl. Ac.) calc. a.a.s 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 7,5-9,0

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,025 %
Residual solvents (Ph.Eur./USP) ..... p/t
Darkened substances by H_2SO_4 ..... p/t.
Acidity or alkalinity ..... p/t.
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,005 %
Oxalate (C_2O_4) ..... 0,03 %
Sulphate (SO_4) ..... 0,015 %
Tartrate ..... p/t.
Ammonium (NH_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,001 %
Water (H_2O) ..... 11,0-13,0 %
As ..... 0,0001 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
K ..... 0,1 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141655.1210	500 g P	6
141655.1211	1000 g P	6
141655.1214	5 kg P	4
141655.0416	25 kg PP	

tri-Sodium Citrate 2-hydrate (E-331iii, F.C.C.) ADITIO

$C_6H_5Na_3O_7.2H_2O$

M: 294,10 CAS: 6132-04-3 EINECS: 200-675-3 NC: 2918 15 00

SPECIFICATIONS:

Assay (as $C_6H_5Na_3O_7$) calc. after drying 99,0-100,5%
Alkalinity ..... p/t.
Arsenic (as As), not more than ..... 1 ppm
Water ..... 10,0-13,0 %
Loss on drying, not more than ..... 13,5 %
Oxalate (as oxalic acid) a.a.s., not more than ..... 0,01 %
pH of 5% 7,5-9,0
Lead, not more than ..... 1 ppm
Heavy metals (as Pb), not more than ..... 5 ppm
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201655.1214	5 kg P	4
201655.0416	25 kg PP	

tri-Sodium Citrate 5,5-hydrate PA

$Na_3C_6H_5O_7.5,5H_2O$

M: 357,15 CAS: 6858-44-2 EINECS: 200-675-3 NC: 2918 15 00

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99,0 %
pH of 5% solution 8,0-9,3

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,003 %
Darkened substances by H_2SO_4 ..... p/t.
Reducing substances ..... p/t.
Chloride (Cl) ..... 0,001 %
Phosphate (PO_4) ..... 0,003 %
Oxalate (C_2O_4) ..... 0,01 %
Sulphate (SO_4) ..... 0,005 %
Ammonium (NH_4) ..... 0,001 %
As ..... 0,00004 %
Ca ..... 0,005 %
Cu ..... 0,00005 %
Fe ..... 0,0002 %
K ..... 0,01 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
121656.1211	1000 g P	6
121656.0914	5 kg PP	
121656.0416	25 kg PP	

tri-Sodium Citrate 5,5-hydrate PRS

$Na_3C_6H_5O_7.5,5H_2O$

M: 357,15 CAS: 6858-44-2 EINECS: 200-675-3 NC: 2918 15 00

SPECIFICATIONS:

Assay (Perchl. Ac.) ..... 98 %
pH of 5% solution 8,0-9,3
Insoluble matter in H_2O ..... 0,025 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,015 %
Ammonium (NH_4) ..... 0,005 %
As ..... 0,0001 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
K ..... 0,1 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141656.1211	1000 g P	6
141656.0914	5 kg PP	
141656.0416	25 kg PP	

tri-Sodium Citrate 5,5-hydrate (E-331iii) ADITIO

$Na_3C_6H_5O_7.5,5H_2O$

M: 357,15 CAS: 6858-44-2 EINECS: 200-675-3 NC: 2918 15 00

SPECIFICATIONS:

Assay (as $C_6H_5Na_3O_7$) after drying 99,0-100,5%
Alkalinity ..... p/t.
Arsenic (as As), not more than ..... 1 ppm
Water ..... 25-30 %
Loss on drying, not more than ..... 30,3 %
Oxalate (as Oxalic Acid) a.a.s, not more than ..... 0,01 %
pH of 5% 7,5-9,0
Lead, not more than ..... 1 ppm
Heavy metals (as Pb), not more than ..... 5 ppm
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/CE

Order code	Package	Units/Box st.
201656.0914	5 kg PP	

Sodium Citrate solution 3,8% DC

for hematology, settling rate

CAS: 68-04-2 EINECS: 200-675-3 NC: 2918 15 00

1l~1,022kg 1kg~0,978l

Composition:
tri-Sodium Citrate 2-hydrate ..... 3,8 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
251355.1210	500 ml P	6
251355.1211	1000 ml P	6

Sodium Cobaltinitrite

(see Sodium Hexanitrocobaltate(III))

Sodium Cobalt(III) Nitrite

(see Sodium Hexanitrocobaltate(III))

Sodium Cyanide PA-ACS

NaCN

M: 49,01 CAS: 143-33-9 EINECS: 205-599-4 NC: 2837 11 00 UN: 1689

IMDG: 6.1/I ADR: 6.1/I IATA: 6.1/I PAX: 606 CAO: 607

HAZARDOUS:

R: 26/27/28-32-50/53 S: 7-28a-29-45-60-61 CE: 006-007-00-5

SPECIFICATIONS:

Minimum assay (Arg.) ..... 95,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Chloride (Cl) ..... 0,02 %
Phosphate (PO_4) ..... 0,02 %
Total Iron (as Fe) ..... 0,005 %
Sulphate (SO_4) ..... 0,05 %
Sulphide (S) ..... 0,003 %
Thiocyanate (SCN) ..... 0,02 %
Water (H_2O) ..... 0,5 %
Cu ..... 0,001 %
K ..... 0,1 %
Pb ..... 0,0005 %
Zn ..... 0,005 %

Order code	Package	Units/Box st.
131652.1209	250 g P	6
131652.1211	1000 g P	6

PAI
PAR

Disolventes de alta pureza para el análisis de residuos de pesticidas
High purity solvents for pesticide residues analysis
Solvants de grande pureté pour l'analyse de résidus de pesticides

Sodium Cyanide PRS

NaCN

M: 49,01 CAS: 143-33-9 EINECS: 205-599-4 NC: 2837 11 00 UN: 1689
IMDG: 6.1/I ADR: 6.1/I IATA: 6.1/I PAX: 606 CAO: 607
HAZARDOUS:

T+ N **R: 26/27/28-32-50/53 S: 7-28a-29-45-60-61 CE: 006-007-00-5**

SPECIFICATIONS:

Assay (Arg.)	95 %
Insoluble matter in H_2O	0,02 %
Chloride (Cl)	0,025 %
Phosphate (PO_4)	0,05 %
Total Iron (as Fe)	0,03 %
Sulphate (SO_4)	0,05 %
Sulphide (S)	0,005 %
Thiocyanate (SCN)	0,05 %
Water (H_2O)	0,5 %
Cu	0,002 %
K	0,2 %
Pb	0,001 %
Zn	0,02 %

Order code	Package	Units/Box st.
141652.1209	250 g P	6
141652.1211	1000 g P	6
141652.1214	5 kg P	
141652.0716	25 kg P	

di-Sodium penta-Cyanonitrosylferrate(III)

(see Sodium Pentacyanonitrosoferrate(III) 2-hydrate)

Sodium Diacetate

(see Sodium Hydrogen di-Acetate)

Sodium Dichromate 2-hydrate (Reag. USP) PA-ACS

$Na_2Cr_2O_7.2H_2O$

M: 298,00 CAS: 7789-12-0 EINECS: 234-190-3 NC: 2841 30 00 UN: 3288
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T+ N O **R: 45-46-60-61-8-E21-E25-E26-34-42/43-E48/23-50/53**
S: 53-45-60-61 CE: 024-004-00-7

SPECIFICATIONS:

Assay (Iodom.)	99,5-100,5%
pH of 5% solution	3,6-3,9

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O	0,003 %
Chloride (Cl)	0,002 %
Sulphate (SO_4)	0,01 %
Al	0,001 %
Ca	0,002 %
Cu	0,001 %
Fe	0,002 %
K	0,01 %
Mg	0,005 %
Pb	0,005 %

Order code	Package	Units/Box st.
131666.1210	500 g P	6
131666.1211	1000 g P	6
131666.1214	5 kg P	4
131666.0416	25 kg PP	

Sodium Dichromate 2-hydrate PRS

$Na_2Cr_2O_7.2H_2O$

M: 298,00 CAS: 7789-12-0 EINECS: 234-190-3 NC: 2841 30 00 UN: 3288
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T+ N O **R: 45-46-60-61-8-E21-E25-E26-34-42/43-E48/23-50/53**
S: 53-45-60-61 CE: 024-004-00-7

SPECIFICATIONS:

Assay (Iodom.)	98,5 %
pH of 5% solution	3,5-3,9
Insoluble matter in H_2O	0,01 %
Loss on drying at 120°C	<12,5 %
Chloride (Cl)	0,01 %
Sulphate (SO_4)	0,1 %
Cu	0,002 %
Fe	0,005 %
Pb	0,01 %

Order code	Package	Units/Box st.
141666.1210	500 g P	6
141666.1211	1000 g P	6
141666.1214	5 kg P	4
141666.0416	25 kg PP	

Sodium 5,5-Diethylbarbiturate (Reag. USP, Ph. Eur.) PA

$C_8H_{11}N_2NaO_3$

M: 206,18 CAS: 144-02-5 EINECS: 205-613-9 NC: 2933 54 00
HAZARDOUS:

Xn **R: 22**

SPECIFICATIONS:

Minimum assay (Acidim.) calc. a.d.s	98,5 %
Identity	IR p/t.
pH of 0,1 mol/l solution	9,0-10,7

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O	p/t.
Loss on drying at 130°C	1,0 %
Neutral and basic substances	p/t.
Heavy metals (as Pb)	0,002 %

Order code	Package	Units/Box st.
121667.1208	100 g P	6
121667.1209	250 g P	6
121667.1211	1000 g P	6
121667.0914	5 kg PP	

Sodium 5,5-Diethylbarbiturate (Ph. Helv.) PRS-CODEX

$C_8H_{11}N_2NaO_3$

M: 206,18 CAS: 144-02-5 EINECS: 205-613-9 NC: 2933 54 00
HAZARDOUS:

Xn **R: 22**

SPECIFICATIONS:

Assay (Acidim.) calc. a.d.s.	98,5-102,0%
Identity according to Pharmacopoeias	p/t.
pH of 10% solution	<11,0
T.L.C	p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution	p/t.
Insoluble matter in H_2O	p/t.
Loss on drying at 130°C	1,0 %
Residual solvents (Ph.Eur./USP)	p/t
Neutral and basic substances	p/t.
Heavy metals (as Pb)	0,002 %

Order code	Package	Units/Box st.
141667.0914	5 kg PP	

Sodium Diethyldithiocarbamate 3-hydrate (Reag. Ph. Eur.) PA-ACS

$NaSCSN(C_2H_5)_2.3H_2O$

M: 225,31 CAS: 20624-25-3 EINECS: 205-710-6 NC: 2930 20 00
HAZARDOUS:

Xn **R: 22 S: 24/25**

SPECIFICATIONS:

Minimum assay (Perchl. Ac.)	99,0 %
Identity	IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O	0,01 %
Residue on ignition (as Na_2SO_4)	30,5-32,5 %
Sensitivity to Cu	p/t.

Order code	Package	Units/Box st.
131668.1208	100 g P	6
131668.1209	250 g P	6

Sodium Dioxide

(see Sodium Peroxide)

Sodium Diphenyl

(see Sodium Biphenyl)

Sodium Diphenylamine-4-Sulphonate

(see 4-(Phenylamino) Benzenesulphonic Acid Sodium Salt)

Sodium Disulphite PA-ACS

$Na_2S_2O_5$

M: 190,10 CAS: 7681-57-4 EINECS: 231-673-0 NC: 2832 10 00

HAZARDOUS:

Xi

R: 22-31-41 S: 26-39-46 CE: 016-063-00-2

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 97,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,002 %
Thiosulphate (S_2O_3) ..... 0,05 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %

Metals by ICP [mg/Kg (ppm)]

Al	5	Ga	5	Si	5
Au	5	In	5	Sn	5
Ba	5	Mg	5	Sr	5
Bi	5	Mn	10	Ti	5
Cd	5	Mo	5	Tl	10
Co	5	Ni	10	V	5
Cr	10	Pb	10	Zn	10
Cu	10	Pt	5	Zr	5
Fe	10	Sb	5		

Order code	Package	Units/Box st.
131698.1210	500 g P	6
131698.1211	1000 g P	6
131698.1214	5 kg P	4
131698.0416	25 kg PP	

Sodium Disulphite (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

$Na_2S_2O_5$

M: 190,10 CAS: 7681-57-4 EINECS: 231-673-0 NC: 2832 10 00

HAZARDOUS:

Xi

R: 22-31-41 S: 26-39-46 CE: 016-063-00-2

SPECIFICATIONS:

Assay (Iodom.)($Na_2S_2O_5$) 96,5-100,0%
Assay (Iodom.)(as SO_2) ..... 65,0-67,4 %
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 3,5-5,0

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,025 %
Residual solvents (Ph.Eur./USP) ..... p/t
Chloride (Cl) ..... 0,02 %
Thiosulphate (S_2O_3) ..... 0,05 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0003 %
Fe ..... 0,002 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141698.1210	500 g P	6
141698.1211	1000 g P	6
141698.1214	5 kg P	4
141698.0416	25 kg PP	

Sodium Disulphite (E-223, F.C.C.) ADITIO

$Na_2S_2O_5$

M: 190,10 CAS: 7681-57-4 EINECS: 231-673-0 NC: 2832 10 00

HAZARDOUS:

Xi

R: 22-31-41 S: 26-39-46 CE: 016-063-00-2

SPECIFICATIONS:

Assay (as $Na_2S_2O_5$) 95,0-100,5%
Assay (as SO_2), not less than ..... 64,0 %
pH of 10% solution 4,0-5,5
Arsenic (as As), not more than ..... 3 ppm
Thiosulphate, not more than ..... 0,05 %
Heavy metals (as Pb), not more than ..... 0,001 %
Iron, not more than ..... 10 ppm
Selenium, not more than ..... 5 ppm
Lead, not more than ..... 2 ppm
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201698.1214	5 kg P	4
201698.0416	25 kg PP	

Sodium Dithionite QP

$Na_2S_2O_4$

M: 174,11 CAS: 7775-14-6 EINECS: 231-890-0 NC: 2831 10 00 UN: 1384
IMDG: 4.2/II ADR: 4.2/II IATA: 4.2/II PAX: 416 CAO: 418

HAZARDOUS:

Xn

R: 7-22-31 S: 7/8-26-28a-43f CE: 016-028-00-1

SPECIFICATIONS:

Assay (Iodom.) ..... 85 %*
Insoluble matter in H_2O ..... p/t.
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %
*At the moment of the batch analysis

Order code	Package	Units/Box st.
211685.1610	500 g	6
211685.1611	1000 g	6
211685.1214	5 kg P	4
211685.0716	25 kg P	

Sodium Dodecyl Sulphate (HPLC) PAI

for ion pair chromatography

$C_{12}H_{25}NaO_4S$

M: 288,38 CAS: 151-21-3 EINECS: 205-788-1 NC: 3402 11 90

HAZARDOUS:

Xn

R: 22-36/38 S: 26

SPECIFICATIONS:

Minimum assay ..... 99,0 %
C_{12} compounds minimum (G.C.) ..... 99,0 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Water (H_2O) ..... 1 %
UV Spectrum 3% aqueous sol.
(1 cm cell; Ref.: water)

λ (nm)	220	230	240	250-350
A (AU)	0,155	0,046	0,027	0,018
T (%)	70	90	94	96

Order code	Package	Units/Box st.
362363.1606	25 g	6

Sodium Dodecyl Sulphate PB

$C_{12}H_{25}NaO_4S$

M: 288,38 CAS: 151-21-3 EINECS: 205-788-1 NC: 3402 11 90

HAZARDOUS:

Xn

R: 22-36/38 S: 26

SPECIFICATIONS:

Minimum assay ..... 99,0 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Water (H_2O) ..... 1 %
ABS at λ260 nm 0,1 mol/l sol. in water 0,05
ABS at λ280 nm 0,1 mol/l sol. in water 0,05
Chloride (Cl) ..... 0,01 %
As ..... 0,0001 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,01 %
Mg ..... 0,005 %
Mn ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
372363.1207	50 g P	6
372363.1209	250 g P	6

Sodium Dodecyl Sulphate PA-ACS

for determination of surfactants
$C_{12}H_{25}NaO_4S$
M: 288,38 CAS: 151-21-3 EINECS: 205-788-1 NC: 3402 11 90
HAZARDOUS:

Xn **R: 22-36/38 S: 26**

SPECIFICATIONS:
Minimum assay ..... 99,0 %
Minimum C_{12} compounds (G.C.) ..... 99 %
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,01 %
Loss on drying at 105°C ..... 1,0 %
ABS λ220-350 nm. 3% sol. in H_2O 0,1
Alkalinity ..... 0,06 meq/g
Unsulphated Alcohols ..... 1 %
Water (H_2O) ..... 1,0 %
Chloride (Cl) ..... 0,01 %
Heavy metals (as Pb) ..... 0,0005 %

Order code	Package	Units/Box st.
132363.1207	50 g P	6
132363.1209	250 g P	6
132363.0914	5 kg PP	

Sodium Dodecyl Sulphate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

$C_{12}H_{25}NaO_4S$
M: 288,38 CAS: 151-21-3 EINECS: 205-788-1 NC: 3402 11 90
HAZARDOUS:

Xn **R: 22-36/38 S: 26**

SPECIFICATIONS:
Minimum assay ..... 85,0 %
Total alcohols minimum ..... 59,0 %
Identity according to Pharmacopoeias ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Alkalinity ..... p/t.
Non-esterified alcohols ..... 4,0 %
Sodium Chloride and Sodium Sulphate ..... 8,0 %
Heavy metals (as Pb) ..... 0,002 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
142363.1209	250 g P	6
142363.1211	1000 g P	6
142363.0914	5 kg PP	
142363.0416	25 kg	

Sodium Dodecyl Sulphate (F.C.C.) ADITIO

$C_{12}H_{25}NaO_4S$
M: 288,38 CAS: 151-21-3 EINECS: 205-788-1 NC: 3402 11 90
HAZARDOUS:

Xn **R: 22-36/38 S: 26**

SPECIFICATIONS:
Assay (Total Alcohols), not less than ..... 59,0 %
Alkalinity (as NaOH), not more than ..... 0,25 %
Combined Sodium Chloride and Sodium Sulphate, not more than 8,0 %
Lead, not more than ..... 2 ppm
Unsulphated Alcohols, not more than ..... 4,0 %
Specifications F.C.C. 6

Order code	Package	Units/Box st.
202363.0914	5 kg PP	

SODIUM DODECYL SULPHATE SOLUTIONS

Sodium Dodecyl Sulphate solution 10% w/v PRS

$C_{12}H_{25}NaO_4S$
M: 288,38 CAS: 151-21-3 EINECS: 205-788-1 NC: 3402 11 90
1l~1,012kg 1kg~0,988l
SPECIFICATIONS:
Assay (w/v) ..... 9,8-10,2 %

Order code	Package	Units/Box st.
146132.1315	10 l	(*)

Sodium Dodecyl Sulphate 0,004 mol/l SV

for titration of cationic surfactants
$C_{12}H_{25}NaO_4S$
M: 288,38 CAS: 151-21-3 EINECS: 205-788-1 NC: 3402 11 90
1l~1,000kg 1kg~1,000l
SPECIFICATIONS:
Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
182792.1211	1000 ml P	6

Sodium Edetate

(see Ethylenediaminetetraacetic Acid Disodium Salt 2-hydrate)

Sodium Fluoride PA-ACS-ISO

NaF
M: 41,99 CAS: 7681-49-4 EINECS: 231-667-8 NC: 2826 19 10 UN: 1690
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T **R: 25-32-36/38 S: 22-36-45 CE: 009-004-00-7**

SPECIFICATIONS:
Minimum assay (Compl.) ..... 99,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 150°C ..... 0,2 %
Acidity ..... 0,025 meq/g
Alkalinity ..... 0,01 meq/g
Chloride (Cl) ..... 0,002 %
Sodium fluorosilicate ($NaSiF_6$) ..... 0,1 %
Phosphate (PO_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,005 %
Sulphite (SO_3) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
Cu ..... 0,0005 %
Fe ..... 0,002 %
K ..... 0,01 %
Ni ..... 0,003 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
131675.1210	500 g P	6
131675.1211	1000 g P	6
131675.0914	5 kg PP	
131675.0416	25 kg PP	

Sodium Fluoride (USP) PRS-CODEX

NaF
M: 41,99 CAS: 7681-49-4 EINECS: 231-667-8 NC: 2826 19 10 UN: 1690
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T **R: 25-32-36/38 S: 22-36-45 CE: 009-004-00-7**

SPECIFICATIONS:
Assay (calc. a.d.s.) 98,5-102,0%
Identity according to Pharmacopoeias ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,025 %
Loss on drying at 150°C ..... 0,5 %
Acidity or alkalinity ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t
Chloride (Cl) ..... 0,012 %
Sodium fluorosilicate ($NaSiF_6$) ..... p/t.
Phosphate (PO_4) ..... 0,002 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,002 %
Cu ..... 0,002 %
Fe ..... 0,005 %
Ni ..... 0,002 %
Pb ..... 0,002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141675.1210	500 g P	6
141675.1211	1000 g P	6
141675.0914	5 kg PP	
141675.0416	25 kg PP	

Sodium Formaldehyde Sulphoxylate x-hydrate (USP-NF) PRS-CODEX

$CH_3NaO_3S.xH_2O$
M: 118,09(anh) CAS: 149-44-0 EINECS: 205-739-4 NC: 2831 10 00
HAZARDOUS:

Xi **R: 37**

SPECIFICATIONS:
Assay (Iodom.) (as SO_2) calc. a.a.s. ..... 45,5-54,5 %
Identity according to Pharmacopoeias ..... p/t.
pH of 2% solution 9,5-10,5
MAXIMUM LIMIT OF IMPURITIES
Clarity and appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,05 %
Loss on drying at 105°C ..... 27,0 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Alkalinity ..... 0,35 meq/g
Sodium sulphite (as Na_2SO_3) calc. a.a.s. ..... 5,0 %
Sulphide ..... p/t.
Fe ..... 0,0025 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
143289.1209	250 g P	6
143289.1211	1000 g P	6
143289.1214	5 kg P	4

(*) Sol-Pack pack with tap

Sodium Formate (Reag. Ph. Eur.) PA-ACS

HCOONa

M: 68,01 CAS: 141-53-7 EINECS: 205-488-0 NC: 2915 12 00

HAZARDOUS:

Xi **R: 36 S: 26**

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 99,0 %
pH of 5% solution 7,0-8,5

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Acidity (as HCOOH) ..... 0,05 %
Chloride (Cl) ..... 0,001 %
Phosphate (PO_4) ..... 0,005 %
Oxalate ..... p/t.
Sulphate (SO_4) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0005 %
Ca ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,0005 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
131676.1210	500 g P	6
131676.1211	1000 g P	6
131676.0914	5 kg PP	
131676.0416	25 kg PP	

Sodium Formate PRS

HCOONa

M: 68,01 CAS: 141-53-7 EINECS: 205-488-0 NC: 2915 12 00

HAZARDOUS:

Xi **R: 36 S: 26**

SPECIFICATIONS:

Assay (Iodom.) ..... 98 %
pH of 5% solution 7,0-8,5
Insoluble matter in H_2O ..... 0,025 %
Acidity (as HCOOH) ..... 0,1 %
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141676.1210	500 g P	6
141676.1211	1000 g P	6
141676.0914	5 kg PP	
141676.0416	25 kg PP	

Sodium D-Gluconate (USP) PRS-CODEX

$C_6H_{11}NaO_7$

M: 218,14 CAS: 527-07-1 EINECS: 208-407-7 NC: 2918 16 00

SPECIFICATIONS:

Assay (Perchl. Ac.) 98,0-102,0%
Identity according to Pharmacopoeias ..... p/t.
pH of 10% solution 6,8-7,5
Specific Rotation $[\alpha]^{20}$/D c=10 (in H_2O) ..... +11,5 to +12,5°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... p/t.
Loss on drying at 105°C ..... 0,3 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Chloride (Cl) ..... 0,07 %
Sulphate (SO_4) ..... 0,05 %
Reducing substances (as Glucose) ..... 0,5 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0003 %
Pb ..... 0,001 %

Complies USP 29 specifications

Order code	Package	Units/Box st.
142983.1211	1000 g P	6
142983.0914	5 kg PP	
142983.0416	25 kg	

Sodium L-Glutamate 1-hydrate (USP) PRS-CODEX

$NaCOOHCOONH_2CH(CH_2)_2.H_2O$

M: 187,13 CAS: 6106-04-3 EINECS: 205-538-1 NC: 2922 42 00

SPECIFICATIONS:

Assay (Perchl. Ac.) 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=10 (in HCl 2 mol/l) ..... +24,8 to +25,3°
pH of 5% solution 6,7-7,2

MAXIMUM LIMIT OF IMPURITIES

Clarity and colour of solution ..... p/t.
Insoluble matter in H_2O ..... 0,05 %
Loss on drying at 100°C ..... 0,5 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Chloride (Cl) ..... 0,2 %
Sulphate (SO_4) ..... 0,05 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00015 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141683.1210	500 g P	6
141683.0914	5 kg PP	

Sodium L-Glutamate 1-hydrate (E-621, F.C.C.) ADITIO

$NaCOOHCOONH_2CH(CH_2)_2.H_2O$

M: 187,13 CAS: 6106-04-3 EINECS: 205-538-1 NC: 2922 42 00

SPECIFICATIONS:

Assay (as $C_5H_8NNaO_4.H_2O$) calc. a.d.s ..... 99,0-101,0 %
pH of 5% solution 6,7-7,2
Lead, not more than ..... 2 ppm
Loss on drying, not more than ..... 0,5 %
Chloride, not more than ..... 0,2 %
Specific rotation $[\alpha]^{20}$/D calc. a.a.s ..... +24,8 to+25,3°
Insoluble matter in H_2O ..... p/t.
Carboxylic pyrrolidone acid, not more than ..... 0,2 %
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201683.1211	1 kg P	6
201683.0914	5 kg PP	

Sodium 1-Heptanesulphonate

(see 1-Heptane Sulphonic Acid Sodium Salt)

Sodium Hexafluorosilicate QP

Na_2SiF_6

M: 188,06 CAS: 16893-85-9 EINECS: 240-934-8 NC: 2826 90 80 UN: 2674
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T **R: 23/24/25 S: 26-45 CE: 009-012-00-0**

SPECIFICATIONS:

Assay ..... 98 %
Loss on drying at 110°C ..... 1 %

Order code	Package	Units/Box st.
212012.1214	5 kg P	4

Sodium 1-Hexanesulphonate

(see 1-Hexane Sulphonic Acid Sodium Salt)

Sodium Hexanitrocobaltate(III) PA-ACS

$Na_3Co(NO_2)_6$

M: 403,94 CAS: 13600-98-1 EINECS: 237-077-7 NC: 2842 90 80 UN: 1479
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

HAZARDOUS:

O T **R: 49-8 S: 53-24/25-37-45**

SPECIFICATIONS:

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in CH_3COOH dil ..... 0,02 %
Suitability for K determination ..... p/t.
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
Fe ..... 0,0005 %
K ..... 0,01 %

Order code	Package	Units/Box st.
131663.1208	100 g P	6
131663.1209	250 g P	6
131663.0914	5 kg PP	

Sodium Hexa meta-Phosphate

(see Sodium Polyphosphate)

Sodium Hydride 60% mineral oil dispersion PS

NaH

M: 24,00 CAS: 7646-69-7 EINECS: 231-587-3 NC: 2850 00 20 UN: 1427
IMDG: 4.3/I ADR: 4.3/I IATA: 4.3/I PAX: P CAO: 412
HAZARDOUS:

F R: 15 S: 7/8-24/25-43c

SPECIFICATIONS:
Minimum assay ..... 60 %

Order code	Package	Units/Box st.
15A051.1608	100 g	6
15A051.1610	500 g	6

Sodium Hydrogen di-Acetate PRS

$CH_3COONaCH_3COOH$

M: 142,07 CAS: 126-96-5 EINECS: 204-814-9 NC: 2915 29 00
SPECIFICATIONS:
Assay (Perchl. Ac.) ..... 99-102 %
Insoluble matter in H_2O ..... 0,01 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
Cu ..... 0,002 %
Fe ..... 0,001 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141665.1211	1000 g	6

Sodium Hydrogen di-Acetate (E-262ii, F.C.C.) ADITIO

$CH_3COONaCH_3COOH$

M: 142,07 CAS: 126-96-5 EINECS: 204-814-9 NC: 2915 29 00
SPECIFICATIONS:
Assay (as CH_3COOH) calc. a.d.s ..... 40,0-41,0 %
Assay (as CH_3COONa) calc. a.d.s ..... 58,0-60,0 %
pH of 10% solution 4,5-5,0
Formic Acid, Formates and other oxidizable substances
(as formic acid), not more than ..... 0,1 %
Arsenic (as As), not more than ..... 3 ppm
Lead, not more than ..... 2 ppm
Heavy metals (as Pb), not more than ..... 10 ppm
Water, not more than ..... 2,0 %
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201665.0914	5 kg	

di-Sodium Hydrogen Arsenate 7-hydrate (Reag. Ph. Eur.) PA-ACS

$Na_2HAsO_4.7H_2O$

M: 312,01 CAS: 10048-95-0 EINECS: 231-902-4 NC: 2842 90 80 UN: 1685
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T N R: 45-E23/25-50/53 S: 53-45-60-61 CE: 033-005-00-1

SPECIFICATIONS:
Assay 99,0-102,0%
pH of 5% solution 8,5-9,0
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Arsenite (as As_2O_3) ..... 0,01 %
Chloride (Cl) ..... 0,001 %
Nitrate (NO_3) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,002 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
131635.1210	500 g	6
131635.1214	5 kg	4
131635.0716	25 kg	

di-Sodium Hydrogen Arsenate 7-hydrate PRS

$Na_2HAsO_4.7H_2O$

M: 312,01 CAS: 10048-95-0 EINECS: 231-902-4 NC: 2842 90 80 UN: 1685
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T N R: 45-E23/25-50/53 S: 53-45-60-61 CE: 033-005-00-1

SPECIFICATIONS:
Assay (Acidim.) ..... 98-102 %
pH of 5% solution 8,5-9,0
Insoluble matter in H_2O ..... 0,025 %
Chloride (Cl) ..... 0,005 %
Nitrate (NO_3) ..... 0,025 %
Sulphate (SO_4) ..... 0,05 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141635.1210	500 g	6
141635.1211	1000 g	6
141635.1214	5 kg	4
141635.0716	25 kg	

Sodium Hydrogen Carbonate PA-ACS-ISO

$NaHCO_3$

M: 84,01 CAS: 144-55-8 EINECS: 205-633-8 NC: 2836 30 00
SPECIFICATIONS:
Assay (Acidim.) ..... 99,7-100,3 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,01 %
Reducing substances I_2 (as I) ..... 0,005 %
Nitrogen compounds (as N) ..... 0,0005 %
Sulphur compounds (as SO_4) ..... 0,003 %
Chloride (Cl) ..... 0,001 %
Phosphate (PO_4) ..... 0,001 %
Silicate (SiO_2) ..... 0,005 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00004 %
Metals by ICP [mg/Kg (ppm)]

Ag	5	Cr	5	Mo	5
Al	5	Cu	5	Ni	5
Ba	5	Fe	5	Pb	5
Bi	5	K	50	Sr	5
Ca	100	Li	20	Tl	5
Cd	5	Mg	50	Zn	5
Co	5	Mn	5		

Order code	Package	Units/Box st.
131638.1210	500 g	6
131638.1211	1000 g	6
131638.1214	5 kg	4
131638.0416	25 kg	

Sodium Hydrogen Carbonate (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$NaHCO_3$

M: 84,01 CAS: 144-55-8 EINECS: 205-633-8 NC: 2836 30 00
SPECIFICATIONS:
Assay (Acidim.) 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Loss on drying ..... 0,25 %
Sulphur compounds (as SO_4) ..... 0,015 %
Residual solvents (Ph.Eur./USP) ..... p/t
Carbonate ..... p/t.
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,002 %
Sulphate (SO_4) ..... 0,01 %
Ammonium (NH_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0002 %
Ca ..... 0,01 %
Fe ..... 0,0005 %
Mg ..... 0,004 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141638.1210	500 g	6
141638.1211	1000 g	6
141638.1214	5 kg	4
141638.0416	25 kg	

Aquametric

Reactivos de Karl Fischer exentos de piridina
Karl Fischer reagents pyridine free
Réactifs de Karl Fischer sans pyridine

Sodium Hydrogen Carbonate (E-500ii, F.C.C.) ADITIO

$NaHCO_3$

M: 84,01 CAS: 144-55-8 EINECS: 205-633-8 NC: 2836 30 00

SPECIFICATIONS:

Assay (as $NaHCO_3$) after drying....99,0-100,5%
pH of 1% solution 8,0-8,6
Ammonia .... p/t.
Insoluble substances.... p/t.
Loss on drying, not more than .... 0,25 %
Arsenic, not more than .... 3 ppm
Mercury, not more than .... 1 ppm
Lead, not more than .... 2 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201638.1214	5 kg	4
201638.0416	25 kg	

di-Sodium Hydrogen Citrate 1 1/2-hydrate (Reag. Ph. Eur.) PA

$Na_2HC_6H_5O_7.1\ 1/2H_2O$

M: 263,11 CAS: 144-33-2 EINECS: 205-623-3 NC: 2918 15 00

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) .... 99,0 %
pH of 5% solution 4,9-5,2

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O.... 0,005 %
Darkened substances by H_2SO_4.... p/t.
Reducing substances.... p/t.
Chloride (Cl).... 0,001 %
Phosphate (PO_4) .... 0,002 %
Oxalate (C_2O_4) .... 0,01 %
Ammonium (NH_4) .... 0,001 %
Heavy metals (as Pb).... 0,001 %
As .... 0,00004 %
Cu .... 0,0005 %
Fe.... 0,0005 %
Ni .... 0,0005 %
Pb .... 0,0005 %

Order code	Package	Units/Box st.
121654.1210	500 g	6
121654.0914	5 kg	

di-Sodium Hydrogen Citrate 1 1/2-hydrate PRS

$Na_2HC_6H_5O_7.1\ 1/2H_2O$

M: 263,11 CAS: 144-33-2 EINECS: 205-623-3 NC: 2918 15 00

SPECIFICATIONS:

Assay (Perchl. Ac.).... 98 %
pH of 5% solution 4,9-5,2
Insoluble matter in H_2O.... 0,01 %
Chloride (Cl).... 0,002 %
Phosphate (PO_4) .... 0,005 %
Ammonium (NH_4) .... 0,002 %
Heavy metals (as Pb).... 0,002 %
As .... 0,0002 %
Cu .... 0,002 %
Fe.... 0,002 %
Ni .... 0,002 %
Pb .... 0,002 %

Order code	Package	Units/Box st.
141654.1211	1000 g	6
141654.0416	25 kg	

di-Sodium Hydrogen Citrate 1 1/2-hydrate (E-331ii) ADITIO

$Na_2HC_6H_5O_7.1\ 1/2H_2O$

M: 263,11 CAS: 144-33-2 EINECS: 205-623-3 NC: 2918 15 00

SPECIFICATIONS:

Assay (as $C_6H_5Na_3O_7$) after drying, not less than .... 99 %
Arsenic (as As), not more than .... 1 ppm
Loss on drying, not more than .... 13 %
Oxalate (as oxalic acid)a.a.s , not more than. .... 0,01 %
pH of 1% solution 4,9-5,2
Lead, not more than .... 1 ppm
Heavy metals (as Pb), not more than .... 5 ppm
Mercury, not more than .... 1 ppm
Specifications Dir. 2008/84/CE

Order code	Package	Units/Box st.
201654.0914	5 kg	

Sodium di-Hydrogen Citrate PA

$C_6H_7NaO_7$

M: 214,11 CAS: 18996-35-5 EINECS: 242-734-6 NC: 2918 15 00

SPECIFICATIONS:

Minimum assay (Acidim.).... 99 %
pH of 5% solution 3,5-3,8

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O.... 0,005 %
Darkened substances by H_2SO_4.... p/t.
Chloride (Cl).... 0,001 %
Phosphate (PO_4) .... 0,001 %
Oxalate (C_2O_4) .... 0,01 %
Sulphate (SO_4) .... 0,005 %
Ammonium (NH_4) .... 0,001 %
Heavy metals (as Pb).... 0,0005 %
As .... 0,00004 %
Ca .... 0,01 %
Cu .... 0,0005 %
Fe.... 0,0005 %
K .... 0,05 %
Ni .... 0,0005 %
Pb .... 0,0005 %
Zn .... 0,0005 %

Order code	Package	Units/Box st.
121653.1211	1000 g	6
121653.0416	25 kg	

Sodium di-Hydrogen Citrate PRS

$C_6H_7NaO_7$

M: 214,11 CAS: 18996-35-5 EINECS: 242-734-6 NC: 2918 15 00

SPECIFICATIONS:

Assay (Acidim.) .... 98 %
pH of 5% solution 3,5-3,8
Insoluble matter in H_2O.... 0,01 %
Chloride (Cl).... 0,002 %
Phosphate (PO_4) .... 0,002 %
Oxalate (C_2O_4) .... 0,01 %
Sulphate (SO_4) .... 0,01 %
Heavy metals (as Pb).... 0,001 %
As .... 0,00004 %
Cu .... 0,001 %
Fe.... 0,001 %
Ni .... 0,001 %
Pb .... 0,001 %

Order code	Package	Units/Box st.
141653.1210	500 g	6
141653.1211	1000 g	6
141653.0416	25 kg	

Sodium mono-Hydrogen Phosphate

(see di-Sodium Hydrogen Phosphate)

di-Sodium di-Hydrogen di-Phosphate

(see di-Sodium di-Hydrogen Pyrophosphate)

di-Sodium Hydrogen Phosphate anhydrous (Reag. Ph. Eur.) PA-ACS

Na_2HPO_4

M: 141,96 CAS: 7558-79-4 EINECS: 231-448-7 NC: 2835 22 00

SPECIFICATIONS:

Minimum assay (Acidim.).... 99,0 %
pH of 5% solution 8,7-9,3

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O.... 0,01 %
Loss on drying at 105°C.... 0,2 %
Nitrogen compounds (as N) .... 0,002 %
Chloride (Cl).... 0,002 %
Pyrophosphate (P_2O_7) .... 0,2 %
Sulphate (SO_4) .... 0,005 %
Heavy metals (as Pb).... 0,001 %
As .... 0,00005 %

Metals by ICP [mg/Kg (ppm)]

Al	5	Cu	5	Pt	5
Au	5	Fe	10	Sb	5
B	5	K	100	Se	5
Ba	5	Mg	10	Si	5
Be	5	Mn	5	Sr	5
Ca	10	Mo	5	Ti	5
Cd	5	Ni	5	Zn	5
Co	5	Pb	10		

Order code	Package	Units/Box st.
131679.1210	500 g	6
131679.1211	1000 g	6
131679.0914	5 kg	4
131679.0416	25 kg	

di-Sodium Hydrogen Phosphate anhydrous (USP, BP, Ph. Eur.) PRS-CODEX

Na_2HPO_4

M: 141,96 CAS: 7558-79-4 EINECS: 231-448-7 NC: 2835 22 00

SPECIFICATIONS:

Assay (Acidim.) calc. a.d.s. 98,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 8,7-9,4

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,025 %
Loss on drying at 105°C ..... 1,0 %
Residual solvents (Ph.Eur./USP) ..... p/t
Sodium di-Hydrogen Phosphate ..... p/t.
Reducing substances to $KMnO_4$ ..... p/t.
Nitrogen compounds (as N) ..... 0,003 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,03 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Fe ..... 0,002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141679.1210	500 g P	6
141679.1211	1000 g P	6
141679.1214	5 kg P	4
141679.0416	25 kg PP	

di-Sodium Hydrogen Phosphate anhydrous (E-339ii, F.C.C.) ADITIO

Na_2HPO_4

M: 141,96 CAS: 7558-79-4 EINECS: 231-448-7 NC: 2835 22 00

SPECIFICATIONS:

Assay (Na_2HPO_4) after drying, not less than ..... 98,0 %
pH of 1% solution 8,4-9,6
Arsenic (as As), not more than ..... 3 ppm
Fluoride, not more than ..... 10 ppm
Loss on drying, not more than ..... 5,0 %
P_2O_5 content a.d.s. ..... 49-51 %
Insoluble substances a.d.s., not more than ..... 0,2 %
Cadmium, not more than ..... 1 ppm
Lead, not more than ..... 4 ppm
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201679.1214	5 kg P	4
201679.0416	25 kg PP	

di-Sodium Hydrogen Phosphate anhydrous QP

Na_2HPO_4

M: 141,96 CAS: 7558-79-4 EINECS: 231-448-7 NC: 2835 22 00

SPECIFICATIONS:

Assay (Acidim.) ..... 98,0 %
Chloride (Cl) ..... 0,06 %
Sulphate (SO_4) ..... 0,2 %

Order code	Package	Units/Box st.
211679.1214	5 kg P	4
211679.0416	25 kg PP	

di-Sodium Hydrogen Phosphate 2-hydrate PA

$Na_2HPO_4.2H_2O$

M: 177,99 CAS: 10028-24-7 EINECS: 231-448-7 NC: 2835 22 00

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99,0 %
pH of 5% solution 8,7-9,3

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Nitrogen compounds (as N) ..... 0,002 %
Chloride (Cl) ..... 0,002 %
Pyrophosphate (P_2O_7) ..... 0,2 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00005 %
Ca ..... 0,001 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,002 %
K ..... 0,005 %
Mg ..... 0,001 %
Mn ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,001 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
122507.1210	500 g P	6
122507.1211	1000 g P	6
122507.1214	5 kg PP	
122507.0416	25 kg PP	

di-Sodium Hydrogen Phosphate 2-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX

$Na_2HPO_4.2H_2O$

M: 177,99 CAS: 10028-24-7 EINECS: 231-448-7 NC: 2835 22 00

SPECIFICATIONS:

Assay (Acidim.) calc. a.a.s. 98,0-101,0%
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 8,7-9,4

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,025 %
Loss on drying at 130°C ..... 19,5-21,0 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Sodium di-Hydrogen Phosphate ..... p/t.
Reducing substances ..... p/t.
Nitrogen compounds (as N) ..... 0,003 %
Chloride (Cl) ..... 0,002 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0001 %
Fe ..... 0,002 %

Order code	Package	Units/Box st.
142507.1211	1000 g P	6
142507.0914	5 kg PP	
142507.0416	25 kg PP	

di-Sodium Hydrogen Phosphate 2-hydrate (E-339ii, F.C.C.) ADITIO

$Na_2HPO_4.2H_2O$

M: 177,99 CAS: 10028-24-7 EINECS: 231-448-7 NC: 2835 22 00

SPECIFICATIONS:

Assay (Na_2HPO_4) after drying, not less than ..... 98,0 %
pH of 1% solution 8,4-9,6
Arsenic (as As), not more than ..... 3 ppm
Fluoride, not more than ..... 10 ppm
Loss on drying, not more than ..... 18,0-22,0 %
P_2O_5 content a.a.s. ..... 49-51 %
Insoluble substances a.a.s., not more than ..... 0,2 %
Cadmium, not more than ..... 1 ppm
Lead, not more than ..... 4 ppm
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2004/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
202507.0914	5 kg PP	
202507.0416	25 kg PP	

di-Sodium Hydrogen Phosphate 7-hydrate PA-ACS

$Na_2HPO_4.7H_2O$

M: 268,06 CAS: 7782-85-6 EINECS: 231-448-7 NC: 2835 22 00

SPECIFICATIONS:

Assay (Acidim.) ..... 98,0-102,0 %
pH of 5% solution 8,7-9,3

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Nitrogen compounds (as N) ..... 0,001 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0005 %
Fe ..... 0,001 %

Order code	Package	Units/Box st.
132656.1211	1000 g P	6
132656.0914	5 kg PP	

SV

Soluciones valoradas
Volumetric solutions
Solutions volumétriques

di-Sodium Hydrogen Phosphate 12-hydrate PA-ISO

$Na_2HPO_4.12H_2O$

M: 358,14 CAS: 10039-32-4 EINECS: 231-448-7 NC: 2835 22 00

SPECIFICATIONS:

Assay (Acidim.) ..... 99-102 %
pH of 5% solution 9-9,4

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Mono or tri-Base salt ..... p/t.
Nitrogen compounds (as N) ..... 0,001 %
Chloride (Cl) ..... 0,0005 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00005 %
Ca ..... 0,001 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,01 %
Mg ..... 0,001 %
Mn ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131678.1210	500 g P	6
131678.1211	1000 g P	6
131678.1214	5 kg PP	4
131678.0416	25 kg PP	

di-Sodium Hydrogen Phosphate 12-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$Na_2HPO_4.12H_2O$

M: 358,14 CAS: 10039-32-4 EINECS: 231-448-7 NC: 2835 22 00

SPECIFICATIONS:

Assay (Acidim.) calc. a.a.s. ..... 98,0-100,5 %
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 8,7-9,4

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,025 %
Loss on drying at 130°C ..... 57-61 %
Residual solvents (Ph.Eur./USP) ..... p/t
Nitrogen compounds (as N) ..... 0,003 %
Sodium di-Hydrogen Phosphate ..... p/t.
Reducing substances to $KMnO_4$ ..... p/t.
Chloride (Cl) ..... 0,002 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,001 %
Water (H_2O) ..... 57,0-61,0 %
As ..... 0,0001 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141678.1210	500 g P	6
141678.1211	1000 g P	6
141678.1214	5 kg PP	4
141678.0416	25 kg PP	

di-Sodium Hydrogen Phosphate 12-hydrate (E-339ii) ADITIO

$Na_2HPO_4.12H_2O$

M: 358,14 CAS: 10039-32-4 EINECS: 231-448-7 NC: 2835 22 00

SPECIFICATIONS:

Assay (Na_2HPO_4) after drying, not less than ..... 98,0 %
pH of 1% solution 8,4-9,6
Arsenic (as As), not more than ..... 3 ppm
Fluoride, not more than ..... 10 ppm
P_2O_5 content a.a.s. ..... 49-51 %
Loss on drying, not more than ..... 61,0 %
Insoluble substances a.a.s., not more than ..... 0,2 %
Cadmium, not more than ..... 1 ppm
Lead, not more than ..... 4 ppm
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/EC

Order code	Package	Units/Box st.
201678.1214	5 kg PP	
201678.0416	25 kg PP	

Sodium di-Hydrogen Phosphate anhydrous PA

NaH_2PO_4

M: 120,00 CAS: 7558-80-7 EINECS: 231-449-2 NC: 2835 22 00

SPECIFICATIONS:

Assay (Acidim.) ..... 99-100,5 %
pH of 5% solution 4,1-4,7

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,05 %
Nitrogen compounds (as N) ..... 0,002 %
Chloride (Cl) ..... 0,002 %
Sulphate (SO_4) ..... 0,005 %
As ..... 0,0001 %
Ca ..... 0,01 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Mg ..... 0,01 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
122018.1210	500 g P	6
122018.1211	1000 g P	6
122018.1214	5 kg P	4

Sodium di-Hydrogen Phosphate 1-hydrate (Reag. Ph. Eur.) PA-ACS

$NaH_2PO_4.H_2O$

M: 137,99 CAS: 10049-21-5 EINECS: 231-449-2 NC: 2835 22 00

SPECIFICATIONS:

Assay (Acidim.) 98,0-102,0%
pH of 5% solution 4,1-4,5

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Nitrogen compounds (as N) ..... 0,001 %
Chloride (Cl) ..... 0,0005 %
Sulphate (SO_4) ..... 0,003 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00005 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
131965.1210	500 g P	6
131965.1211	1000 g P	6
131965.1214	5 kg P	4
131965.0416	25 kg PP	

Sodium di-Hydrogen Phosphate 1-hydrate (USP, BP) PRS-CODEX

$NaH_2PO_4.H_2O$

M: 137,99 CAS: 10049-21-5 EINECS: 231-449-2 NC: 2835 22 00

SPECIFICATIONS:

Assay (Acidim.) calc. a.a.s. 98,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 4,2-4,5

MAXIMUM LIMIT OF IMPURITIES

Appearance and colour of solution ..... p/t.
Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 130°C ..... 11,5-14,5 %
Residual solvents (Ph.Eur./USP) ..... p/t
Reducing substances to $KMnO_4$ ..... p/t.
Chloride (Cl) ..... 0,014 %
Sulphate (SO_4) ..... 0,03 %
Aluminium, Calcium and related elements. ..... p/t.
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0002 %
Fe ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141965.1210	500 g P	6
141965.1211	1000 g P	6
141965.1214	5 kg P	4
141965.0416	25 kg PP	

Sodium di-Hydrogen Phosphate 1-hydrate (E-339i, F.C.C.) ADITIO

$NaH_2PO_4.H_2O$

M: 137,99 CAS: 10049-21-5 EINECS: 231-449-2 NC: 2835 22 00

SPECIFICATIONS:

Assay (NaH_2PO_4) after drying....98,0-103,0%
pH of 1% solution 4,1-5,0
Arsenic (as As), not more than .... 3 ppm
Fluoride, not more than .... 10 ppm
Loss on drying....10,0-15,0 %
P_2O_5 content, a.a.s....58,0-60,0 %
Insoluble substances a.a.s., not more than....0,2 %
Cadmium, not more than .... 1 ppm
Lead, not more than .... 4 ppm
Mercury (Hg), not more than .... 1 ppm
Specifications Dir. 2008/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
201965.1214	5 kg P	4
201965.0416	25 kg PP	

Sodium di-Hydrogen Phosphate 2-hydrate PA

$NaH_2PO_4.2H_2O$

M: 156,01 CAS: 13472-35-0 EINECS: 231-449-2 NC: 2835 22 00

SPECIFICATIONS:

Assay (Acidim.)....99,0-101,0%
pH of 5% solution 4,2-4,5

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O....0,005 %
Nitrogen compounds (as N) ....0,001 %
Chloride (Cl)....0,0005 %
Sulphate (SO_4) ....0,003 %
Heavy metals (as Pb)....0,0005 %
As ....0,00005 %
Ca ....0,005 %
Cu ....0,0002 %
Fe....0,0005 %
Mg ....0,005 %
Ni ....0,001 %
Pb ....0,0002 %

Order code	Package	Units/Box st.
121677.1210	500 g P	6
121677.1211	1000 g P	6
121677.1214	5 kg P	4
121677.0416	25 kg PP	

Sodium di-Hydrogen Phosphate 2-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$NaH_2PO_4.2H_2O$

M: 156,01 CAS: 13472-35-0 EINECS: 231-449-2 NC: 2835 22 00

SPECIFICATIONS:

Assay (Acidim) calc. a.a.s....98,0-100,5%
Identity according to Pharmacopoeias .... p/t.
pH of 5% solution 4,2-4,5

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution .... p/t.
Insoluble matter in H_2O....0,005 %
Loss on drying at 130°C....21,5-24,0 %
Residual solvents (Ph.Eur./USP).... p/t
Chloride (Cl)....0,005 %
Sulphate (SO_4) ....0,01 %
Reducing substances to $KMnO_4$ .... p/t.
Aluminium, Calcium and related elements.... p/t.
Heavy metals (as Pb)....0,001 %
As ....0,0002 %
Fe....0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141677.1210	500 g P	6
141677.1211	1000 g P	6
141677.1214	5 kg P	4
141677.0416	25 kg PP	

Sodium di-Hydrogen Phosphate 2-hydrate (E-339i, F.C.C.) ADITIO

$NaH_2PO_4.2H_2O$

M: 156,01 CAS: 13472-35-0 EINECS: 231-449-2 NC: 2835 22 00

SPECIFICATIONS:

Assay (NaH_2PO_4) after drying....98,0-103,0%
pH of 1% solution 4,1-5,0
Arsenic (as As), not more than .... 3 ppm
Fluoride, not more than .... 10 ppm
Loss on drying....20,0-25,0 %
P_2O_5 content, a.a.s....58,0-60,0 %
Insoluble substances a.a.s., not more than....0,2 %
Cadmium, not more than .... 1 ppm
Lead, not more than .... 4 ppm
Mercury (Hg), not more than .... 1 ppm
Specifications Dir. 2001/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
201677.1214	5 kg P	4
201677.0416	25 kg PP	

di-Sodium di-Hydrogen Pyrophosphate PRS

$Na_2H_2P_2O_7$

M: 221,94 CAS: 7758-16-9 EINECS: 231-835-0 NC: 2835 39 00

SPECIFICATIONS:

Assay (Acidim.)....98 %
pH of 5% solution 3,6-4,4
Chloride (Cl)....0,01 %
Sulphate (SO_4) ....0,05 %
Cu ....0,002 %
Fe....0,002 %
Ni ....0,002 %
Pb ....0,002 %

Order code	Package	Units/Box st.
141709.1211	1000 g P	6
141709.1214	5 kg P	4
141709.0416	25 kg PP	

di-Sodium di-Hydrogen Pyrophosphate (E-450i, F.C.C.) ADITIO

$Na_2H_2P_2O_7$

M: 221,94 CAS: 7758-16-9 EINECS: 231-835-0 NC: 2835 39 00

SPECIFICATIONS:

Assay ($Na_2H_2P_2O_7$)....95,0-100,5%
Arsenic (as As), not more than .... 3 ppm
Insoluble substances, not more than ....0,6 %
Loss on drying at 105°C, not more than ....0,5 %
P_2O_5 content ....63,0-64 %
pH of 1% 3,7-4,4
Fluoride, not more than .... 10 ppm
Lead, not more than .... 2 ppm
Mercury, not more than .... 1 ppm
Cadmium, not more than .... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201709.1214	5 kg P	4
201709.0416	25 kg PP	

Sodium Hydrogen Sulphate anhydrous PRS

$NaHSO_4$

M: 120,06 CAS: 7681-38-1 EINECS: 231-665-7 NC: 2833 19 00 UN: 3260

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823

HAZARDOUS:

Xi

R: 41 S: 24-26 CE: 016-046-00-X

SPECIFICATIONS:

Assay (as $NaHSO_4$) (Acidim.) .... 95 %
Insoluble matter in NH_4OH ....0,05 %
Chloride (Cl)....0,005 %
Nitrogen compounds (as N) ....0,002 %
Phosphate (PO_4) ....0,003 %
Al ....0,005 %
As ....0,0005 %
Ca ....0,01 %
Cu ....0,01 %
Fe....0,005 %
Mg ....0,01 %
Ni ....0,01 %
Pb ....0,01 %

Order code	Package	Units/Box st.
141640.1210	500 g P	6
141640.1211	1000 g P	6
141640.1214	5 kg P	4
141640.0416	25 kg PP	

Sodium Hydrogen Sulphate 1-hydrate PRS

$NaHSO_4.H_2O$

M: 138,08 CAS: 10034-88-5 EINECS: 231-665-7 NC: 2833 19 00 UN: 3260

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823

HAZARDOUS:

Xi

R: 41 S: 24-26 CE: 016-046-00-X

SPECIFICATIONS:

Assay (as $NaHSO_4.H_2O$) (Acidim.)....97 %
Insoluble matter in NH_4OH ....0,05 %
Chloride (Cl)....0,01 %
Phosphate (PO_4) ....0,003 %
Al ....0,005 %
As ....0,0005 %
Ca ....0,01 %
Cu ....0,01 %
Fe....0,005 %
Mg ....0,01 %
Ni ....0,01 %
Pb ....0,01 %

Order code	Package	Units/Box st.
143854.1210	500 g P	6
143854.1211	1000 g P	6
143854.1214	5 kg P	4
143854.0416	25 kg PP	

Sodium Hydrogen Sulphite solution 40% w/v QP

$NaHSO_3$

M: 104,06 CAS: 7631-90-5 EINECS: 231-548-0 NC: 2832 10 00 UN: 2693
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:

Xn **R: 22-31 S: 25-46 CE: 016-064-00-8**

1l~1,260kg 1kg~0,794l

SPECIFICATIONS:

Assay (Iodom.) ..... 40 %

Order code	Package	Units/Box st.
211642.1211	1000 ml P	6
211642.1214	5 l P	4
211642.0716	25 l P	

Sodium Hydrogen Tartrate anhydrous PRS

$NaH(COO)_2(CHOH)_2$

M: 172,09 CAS: 526-94-3 EINECS: 208-400-9 NC: 2918 13 00

SPECIFICATIONS:

Assay (Acidim.) ..... 99 %
pH of 5% solution 3,3-3,6
Insoluble matter in H_2O ..... 0,025 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
Ammonium (NH_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0001 %
Ca ..... 0,05 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141643.1211	1000 g P	6
141643.0416	25 kg PP	

Sodium Hydrogen Tartrate 1-hydrate (Reag. USP) PA

$NaH(COO)_2(CHOH)_2.H_2O$

M: 190,09 CAS: 526-94-3 EINECS: 208-400-9 NC: 2918 13 00

SPECIFICATIONS:

Assay (Acidim.) 99,5-100,5%
pH of 5% solution 3,0-3,6

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 120°C ..... 9,0-10,0 %
Chloride (Cl) ..... 0,001 %
Phosphate (PO_4) ..... 0,002 %
Sulphate (SO_4) ..... 0,005 %
Ammonium (NH_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00004 %
Ca ..... 0,01 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
121871.1211	1000 g P	6
121871.0914	5 kg PP	

Sodium Hydrogen Tartrate 1-hydrate PRS

$NaH(COO)_2(CHOH)_2.H_2O$

M: 190,09 CAS: 526-94-3 EINECS: 208-400-9 NC: 2918 13 00

SPECIFICATIONS:

Assay (Acidim.) 99,0-102,0%
pH of 5% solution 3,0-3,6
Insoluble matter in H_2O ..... 0,025 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
Ammonium (NH_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0001 %
Ca ..... 0,05 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141871.1211	1000 g P	6

Sodium Hydrosulphite

(see Sodium Dithionite)

Sodium Hydroxide pellets PA-ACS-ISO

NaOH

M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 11 00 UN: 1823
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C **R: 35 S: 26-37/39-45 CE: 011-002-00-6**

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 98,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Carbonate (as Na_2CO_3) ..... 1,0 %
Chloride (Cl) ..... 0,001 %
Phosphate (PO_4) ..... 0,0005 %
Nitrogen compounds (as N) ..... 0,0005 %
Silicate (SiO_2) ..... 0,001 %
Sulphate (SO_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %
Al ..... 0,0005 %
As ..... 0,00004 %
Ca ..... 0,0005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Hg ..... 0,00001 %
K ..... 0,02 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,001 %

Order code	Package	Units/Box st.
131687.1210	500 g P	6
131687.1211	1000 g P	6
131687.1214	5 kg P	4
131687.0416	25 kg PP	

Sodium Hydroxide pellets (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

NaOH

M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 11 00 UN: 1823
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C **R: 35 S: 26-37/39-45 CE: 011-002-00-6**

SPECIFICATIONS:

Assay (Acidim.) 98,0-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t
Carbonate (as Na_2CO_3) ..... 1,0 %
Nitrogen compounds (as N) ..... 0,002 %
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,002 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
Al ..... 0,002 %
As ..... 0,00004 %
Ca ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,001 %
K ..... p/t.
Mg ..... 0,005 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Complies USP 29 specifications

Order code	Package	Units/Box st.
141687.1210	500 g P	6
141687.1211	1000 g P	6
141687.1214	5 kg P	4
141687.0416	25 kg PP	

Sodium Hydroxide pellets (E-524, F.C.C.) ADITIO

NaOH

M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 11 00 UN: 1823
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C **R: 35 S: 26-37/39-45 CE: 011-002-00-6**

SPECIFICATIONS:

Assay (as NaOH) of total alkali 98,0-100,5%
Arsenic (as As), not more than ..... 3 ppm
Carbonate (as Na_2CO_3), not more than ..... 0,5 %
Insoluble substances and organic matter ..... p/t.
Lead, not more than ..... 0,5 ppm
Mercury, not more than ..... 0,1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201687.1214	5 kg P	4
201687.0416	25 kg PP	

Sodium Hydroxide pellets QP

NaOH

M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 11 00 UN: 1823
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C

R: 35 S: 26-37/39-45 CE: 011-002-00-6

SPECIFICATIONS:

Assay (Acidim.) ..... 98 %
Insoluble matter in H_2O ..... 0,05 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,005 %
As ..... 0,0003 %
Fe ..... 0,005 %

Order code	Package	Units/Box st.
211687.1211	1000 g P	6
211687.1214	5 kg P	4
211687.0416	25 kg PP	

Sodium Hydroxide flakes (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

NaOH

M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 11 00 UN: 1823
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C

R: 35 S: 26-37/39-45 CE: 011-002-00-6

SPECIFICATIONS:

Assay (Acidim.) 98,0-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,025 %
Residual solvents (Ph.Eur./USP) ..... p/t
Carbonate (as Na_2CO_3) ..... 1,0 %
Nitrogen compounds (as N) ..... 0,002 %
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,002 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
Al ..... 0,002 %
As ..... 0,00004 %
Ca ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,001 %
K ..... p/t.
Mg ..... 0,005 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Complies USP 29 specifications

Order code	Package	Units/Box st.
141686.1210	500 g P	6
141686.1211	1000 g P	6
141686.1214	5 kg PP	4
141686.0416	25 kg PP	

Sodium Hydroxide flakes QP

NaOH

M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 11 00 UN: 1823
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C

R: 35 S: 26-37/39-45 CE: 011-002-00-6

SPECIFICATIONS:

Assay (Acidim.) ..... 98 %
Insoluble matter in H_2O ..... 0,05 %
Chloride (Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,05 %
Heavy metals (as Pb) ..... 0,005 %
As ..... 0,0003 %
Fe ..... 0,005 %

Order code	Package	Units/Box st.
211686.1214	5 kg PP	
211686.0416	25 kg PP	

Sodium Hydroxide pearls (USP, BP, Ph. Eur.) PRS-CODEX

NaOH

M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 11 00 UN: 1823
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C

R: 35 S: 26-37/39-45 CE: 011-002-00-6

SPECIFICATIONS:

Assay (Acidim.) 98,0-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,025 %
Residual solvents (Ph.Eur./USP) ..... p/t
Carbonate (as Na_2CO_3) ..... 1,0 %
Nitrogen compounds (as N) ..... 0,002 %
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,002 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
Al ..... 0,002 %
As ..... 0,00004 %
Ca ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,001 %
K ..... p/t.
Mg ..... 0,005 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Complies USP 29 specifications

Order code	Package	Units/Box st.
141929.1210	500 g P	6
141929.1211	1000 g P	6
141929.1214	5 kg P	4
141929.0416	25 kg PP	

SODIUM HYDROXIDE SOLUTIONS

Sodium Hydroxide solution 50% w/w PRS

NaOH

M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 35 S: 26-37/39-45 CE: 011-002-00-6

1l~1,52kg 1kg~0,66l

SPECIFICATIONS:

Assay (Acidim.) ..... 50 %
Carbonate (as Na_2CO_3) ..... 1 %
Nitrogen compounds (as N) ..... 0,002 %
Chloride (Cl) ..... 0,01 %
Phosphate (PO_4) ..... 0,002 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,002 %
Al ..... 0,002 %
As ..... 0,00004 %
Ca ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,005 %
Mg ..... 0,005 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
142404.1214	5 l P	
142404.0716	25 l P	

PANREAC SINTESIS

Intermedios para síntesis
Synthesis intermediates
Intermédiaires de synthèse

Sodium Hydroxide solution 50% w/v PRS

NaOH

M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 35 S: 26-37/39-45 CE: 011-002-00-6
1l~1,39kg 1kg~0,72l
SPECIFICATIONS:

Assay (Acidim.)	50 %
Carbonate (as Na_2CO_3)	1 %
Nitrogen compounds (as N)	0,002 %
Chloride (Cl)	0,01 %
Phosphate (PO_4)	0,002 %
Sulphate (SO_4)	0,01 %
Heavy metals (as Pb)	0,002 %
Al	0,002 %
As	0,00004 %
Ca	0,005 %
Cu	0,001 %
Fe	0,005 %
Mg	0,005 %
Ni	0,001 %
Pb	0,001 %

Order code	Package	Units/Box st.
141571.1214	5 l	4
141571.0716	25 l	

Sodium Hydroxide solution 50% w/v QP

NaOH

M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 35 S: 26-37/39-45 CE: 011-002-00-6
1l~1,39kg 1kg~0,72l
SPECIFICATIONS:

Assay (Acidim.)	50 %
Chloride (Cl)	0,05 %
Sulphate (SO_4)	0,05 %
Heavy metals (as Pb)	0,005 %
As	0,0003 %
Fe	0,005 %

Order code	Package	Units/Box st.
211571.1214	5 l	4
211571.0716	25 l	

Sodium Hydroxide solution 40% w/w RE

for determination of N
NaOH

M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 35 S: 26-37/39-45 CE: 011-002-00-6
1l~1,43kg 1kg~0,70l
SPECIFICATIONS:

Minimum assay (Acidim.)	40 %

MAXIMUM LIMIT OF IMPURITIES

Carbonate (as Na_2CO_3)	1,0 %
Nitrogen compounds (as N)	0,002 %

Order code	Package	Units/Box st.
171220.1211	1000 ml	6
171220.1214	5 l	4
171220.1315	10 l	(*)
171220.0716	25 l	

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Sodium Hydroxide solution 40% w/v PA

for the N determination in milk according to ISO 8968-3:2004
NaOH

M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 35 S: 26-37/39-45 CE: 011-002-00-6
1l~1,33kg 1kg~0,75l
SPECIFICATIONS:

Minimum assay (Acidim.)	40 %

MAXIMUM LIMIT OF IMPURITIES

Carbonate (as Na_2CO_3)	1,0 %
Nitrogen compounds (as N)	0,0005 %
Chloride (Cl)	0,001 %
Phosphate (PO_4)	0,0005 %
Silicate (as SiO_2)	0,001 %
Sulphate (SO_4)	0,002 %
Heavy metals (as Pb)	0,0005 %
Al	0,0005 %
As	0,00004 %
Ca	0,0005 %
Cu	0,0005 %
Fe	0,0005 %
K	0,02 %
Mg	0,0005 %
Ni	0,0005 %
Pb	0,0005 %
Zn	0,001 %

Order code	Package	Units/Box st.
121593.1211	1000 ml	6
121593.1214	5 l	4

Sodium Hydroxide solution 32% w/v PA

for determination of N
NaOH

M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 35 S: 26-37/39-45 CE: 011-002-00-6
1l~1,28kg 1kg~0,78l
SPECIFICATIONS:

Assay (Acidim.)	32-34 %

MAXIMUM LIMIT OF IMPURITIES

Carbonate (as Na_2CO_3)	1,0 %
Nitrogen compounds (as N)	0,0001 %
Chloride (Cl)	0,001 %
Phosphate (PO_4)	0,0005 %
Silicate (as SiO_2)	0,001 %
Sulphate (SO_4)	0,002 %
Heavy metals (as Pb)	0,0005 %
Al	0,0005 %
As	0,00004 %
Ca	0,0005 %
Cu	0,0005 %
Fe	0,0005 %
K	0,02 %
Mg	0,0005 %
Ni	0,0005 %
Pb	0,0005 %
Zn	0,001 %

Order code	Package	Units/Box st.
122666.1211	1000 ml	6
122666.1214	5 l	4

Sodium Hydroxide solution 30% w/v RE

NaOH

M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 35 S: 26-37/39-45 CE: 011-002-00-6
1l~1,26kg 1kg~0,79l
SPECIFICATIONS:

Assay (Acidim.)	30 %

MAXIMUM LIMIT OF IMPURITIES

Carbonate (as Na_2CO_3)	1 %
Chloride (Cl)	0,01 %
Phosphate (PO_4)	0,002 %
Sulphate (SO_4)	0,01 %

Order code	Package	Units/Box st.
171690.1210	500 ml	6
171690.1214	5 l	4
171690.0716	25 l	

(*) Sol-Pack pack with tap

Sodium Hydroxide solution 20% w/v RE

NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C
R: 35 S: 26-37/39-45 CE: 011-002-00-6
1l~1,19kg 1kg~0,84l
SPECIFICATIONS:
Assay (Acidim.) (w/v) .....20,0-21,0 %

Order code	Package	Units/Box st.
171689.1210	500 ml	6

Sodium Hydroxide solution 10% w/v RE

NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C
R: 35 S: 26-37/39-45 CE: 011-002-00-6
1l~1,10kg 1kg~0,91l
SPECIFICATIONS:
Minimum assay (Acidim.).....10 %
MAXIMUM LIMIT OF IMPURITIES
Carbonate (as Na_2CO_3) .....1,0 %
Chloride (Cl).....0,01 %
Sulphate (SO_4) .....0,01 %

Order code	Package	Units/Box st.
171688.1210	500 ml	6

Sodium Hydroxide 0,1 mol/l (0,1N) RE

solution for pH scales. Indicator: Phenolphthalein
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
1l~1,004kg 1kg~0,996l
SPECIFICATIONS:
Titer .....1,000±0,005

Order code	Package	Units/Box st.
171694.1209	250 ml	6

Sodium Hydroxide 0,02 mol/l (0,02N) SV

Indicator: Phenolphthalein
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
1l~1,000kg 1kg~1,000l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
183397.1211	1000 ml	6

Sodium Hydroxide 0,025 mol/l (0,025N) SV

Indicator: Bromophenol Blue
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
1l~1,001kg 1kg~0,999l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
182296.1211	1000 ml	6

Sodium Hydroxide 0,04 mol/l (0,04N) SV

Indicator: Bromophenol Blue
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
1l~1,000kg 1kg~1,000l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
181584.1211	1000 ml	6

Sodium Hydroxide 0,05 mol/l (0,05N) SV

Indicator: Bromophenol Blue
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
1l~1,003kg 1kg~0,997l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
182153.1211	1000 ml	6

Sodium Hydroxide 0,1 mol/l (0,1N) SV

Indicator: Bromophenol Blue
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
1l~1,004kg 1kg~0,996l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
181693.1211	1000 ml	6
181693.1212	2,5 l	4
181693.1214	5 l	4
181693.1315	10 l	(*)

Sodium Hydroxide 0,1 mol/l (0,1N) SV

Indicator: Phenolphthalein
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
1l~1,004kg 1kg~0,996l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
181694.1211	1000 ml	6
181694.1315	10 l	(*)

Sodium Hydroxide 0,1 mol/l (0,1N) ethanolic SV

Indicator: Phenolphthalein. Storage over 18°C.
NaOH
M: 40,00 CAS: 1310-73-2 NC: 3822 00 00 UN: 2924
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F
R: 11 S: 7-16
1l~0,852kg 1kg~1,174l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
182284.1611	1000 ml	6

Sodium Hydroxide 0,1 mol (4,000g NaOH) to prepare 1l of 0,1N solution SVc

CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C
R: 34 S: 26-37/39-45 CE: 011-002-00-6
SPECIFICATIONS:
Titer .....1,000 ±0,002

Order code	Package	Units/Box st.
303125.1920	1 ampoule	6

Sodium Hydroxide 0,111 mol/l (0,111N) according to Dornic SV

for analysis of acidity in milk
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
1l~1,005kg 1kg~0,995l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
183154.1211	1000 ml	6
183154.1214	5 l	4

Sodium Hydroxide 0,2 mol/l (0,2N) SV

Indicator: Phenolphthalein
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:
Xi
R: 36/38 S: 26 CE: 011-002-00-6
1l~1,006kg 1kg~0,994l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
182971.1211	1000 ml	6

(*) Sol-Pack pack with tap

Sodium Hydroxide 0,25 mol/l (0,25N) SV

Indicator: Bromophenol Blue
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:
Xi
R: 36/38 S: 26 CE: 011-002-00-6
1l~1,011kg 1kg~0,989l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
182155.1211	1000 ml	6

Sodium Hydroxide 0,313 mol/l (0,313N) SV

for determination of raw fibre. Indicator: Bromophenol Blue
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:
Xi
R: 36/38 S: 26 CE: 011-002-00-6
1l~1,016kg 1kg~0,984l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
183337.1211	1000 ml	6
183337.1214	5 l	4

Sodium Hydroxide 0,3546 mol/l (N/2,82) SV

Empiric Liquor for analysis of oils. Indicator: Bromophenol Blue
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:
Xi
R: 36/38 S: 26 CE: 011-002-00-6
1l~1,015kg 1kg~0,985l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
182156.1211	1000 ml	6
182156.1315	10 l	(*)

Sodium Hydroxide 0,5 mol/l (0,5N) SV

Indicator: Bromophenol Blue
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C
R: 34 S: 26-37/39-45 CE: 011-002-00-6
1l~1,021kg 1kg~0,979l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
181692.1211	1000 ml	6
181692.1315	10 l	(*)

Sodium Hydroxide 1 mol/l (1N) SV

Indicator: Bromophenol Blue
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C
R: 34 S: 26-37/39-45 CE: 011-002-00-6
1l~1,042kg 1kg~0,960l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
181691.1211	1000 ml	6
181691.1212	2,5 l	4
181691.1214	5 l	4
181691.1315	10 l	(*)

Sodium Hydroxide 1 mol/l (1N) SV

Indicator: Phenolphthalein
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C
R: 34 S: 26-37/39-45 CE: 011-002-00-6
1l~1,042kg 1kg~0,960l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
182415.1211	1000 ml	6
182415.1315	10 l	(*)

Sodium Hydroxide 1 mol/l (1N) ethanolic SV

Indicator: Phenolphthalein. Storage over 18°C.
NaOH
M: 40,00 NC: 3822 00 00 UN: 2924
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F C
R: 11-34 S: 7-16-26-37/39-45
1l~0,885kg 1kg~1,130l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
182265.1611	1000 ml	6

Sodium Hydroxide 1 mol (40,00g NaOH) to prepare 1l of 1N solution SVc

CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C
R: 35 S: 26-37/39-45 CE: 011-002-00-6
SPECIFICATIONS:
Titer .....1,000 ±0,002

Order code	Package	Units/Box st.
303126.1920	1 ampoule	6

Sodium Hydroxide 2 mol/l (2N) SV

Indicator: Bromophenol Blue
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C
R: 35 S: 26-37/39-45 CE: 011-002-00-6
1l~1,09kg 1kg~0,92l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
182158.1211	1000 ml	6

Sodium Hydroxide 4 mol/l (4N) SV

Indicator: Bromophenol Blue
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C
R: 35 S: 26-37/39-45 CE: 011-002-00-6
1l~1,153kg 1kg~0,867l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
183466.1211	1000 ml	6

Sodium Hydroxide 5 mol/l (5N) SV

Indicator: Bromophenol Blue
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C
R: 35 S: 26-37/39-45 CE: 011-002-00-6
1l~1,186kg 1kg~0,843l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
182159.1211	1000 ml	6

(*) Sol-Pack pack with tap

Sodium Hydroxide 0,01 mol/l VINIKIT

for determination of sulphurous gas (SO_2) in wine, according to Paul
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
1l~1,000kg 1kg~1,000l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
621845.1210	500 ml	6

Sodium Hydroxide 0,02 mol/l (0,02N) VINIKIT

for determination of real volatile acidity according to García-Tena.
Indicator: Phenolphthalein
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
1l~1,000kg 1kg~1,000l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
623397.1210	500 ml	6

Sodium Hydroxide N/49 VINIKIT

acidimetric liquor for determination of the volatile acidity in wine
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
1l~1,001kg 1kg~0,999l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
624785.1210	500 ml	6
624785.1211	1000 ml	6

Sodium Hydroxide 0,1 mol/l (0,1N) VINIKIT

Indicator: Phenolphthalein
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
1l~1,004kg 1kg~0,996l
SPECIFICATIONS:
Titer .....1,000±0,005

Order code	Package	Units/Box st.
621694.1210	500 ml	6

Sodium Hydroxide 0,1332 mol/l (0,1332N) VINIKIT

for determination of total acidity in wine and must
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:
Xi
R: 36/38 S: 26 CE: 011-002-00-6
1l~1,005kg 1kg~0,995l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
624835.1211	1000 ml	6

Sodium Hydroxide N/4,9 VINIKIT

acidimetric liquor for determination of total acidity in wine and must.
Indicator: Bromophenol Blue
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:
Xi
R: 36/38 S: 26 CE: 011-002-00-6
1l~1,007kg 1kg~0,993l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
624782.1210	500 ml	6
624782.1211	1000 ml	6

Sodium Hydroxide 0,4 mol/l (0,4N) VINIKIT

for determination of total acidity in vinegars. Indicator: Bromophenol Blue
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:
Xi
R: 36/38 S: 26 CE: 011-002-00-6
1l~1,017kg 1kg~0,983l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
622157.1211	1000 ml	6

Sodium Hydroxide 1,666 mol/l (1,666N) VINIKIT

for determination of total acidity in vinegars. Indicator: Bromophenol Blue
NaOH
M: 40,00 CAS: 1310-73-2 EINECS: 215-185-5 NC: 2815 12 00 UN: 1824
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C
R: 35 S: 26-37/39-45 CE: 011-002-00-6
1l~1,067kg 1kg~0,937l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
624836.1211	1000 ml	6

Sodium 2-Hydroxybenzoate

(see Sodium Salicylate)

SODIUM HYPOCHLORITE SOLUTIONS

Sodium Hypochlorite solution (7±2% w/w as active chlorine) PA

NaClO
M: 74,44 CAS: 7681-52-9 EINECS: 231-668-3 NC: 2828 90 00 UN: 1791
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:
Xi
R: 31-36/38 S: 28a-45-50a-61
1l~1,15kg 1kg~0,87l
SPECIFICATIONS:
Assay (as Cl_2) (Iodom.) (w/w) ..... 5-9 %*
MAXIMUM LIMIT OF IMPURITIES
Alkalinity (as NaOH)..... 1,8 %
*At the moment of the batch analysis
Metals by ICP [mg/Kg (ppm)]

Cd	10	Hg	10	Zn	10
Cr	10	Mn	10		
Cu	10	Ni	10		

Order code	Package	Units/Box st.
122967.1211	1000 ml	6

Sodium Hypochlorite solution 5% w/v QP

NaClO
M: 74,44 CAS: 7681-52-9 EINECS: 231-668-3 NC: 2828 90 00 UN: 1791
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:
Xi
R: 31-36/38 S: 28a-45-50a-61 CE: 017-011-00-1
1l~1,12kg 1kg~0,89l
SPECIFICATIONS:
Assay (Iodom.).....5 %*
*At the moment of the batch analysis

Order code	Package	Units/Box st.
212297.1211	1000 ml	6
212297.1214	5 l	4
212297.0716	25 l	

Sodium Hypochlorite solution 10% w/v QP

NaClO
M: 74,44 CAS: 7681-52-9 EINECS: 231-668-3 NC: 2828 90 00 UN: 1791
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 819 CAO: 821
HAZARDOUS:
C
R: 31-34 S: 61-28a-45-50a CE: 017-011-00-1
1l~1,18kg 1kg~0,85l
SPECIFICATIONS:
Assay (Iodom.).....10 %*
*At the moment of the batch analysis

Order code	Package	Units/Box st.
211921.1211	1000 ml	6
211921.1214	5 l	4
211921.0716	25 l	

Sodium Hypodisulphite
(see Sodium Dithionite)

Sodium Hypophosphite
(see Sodium Phosphinate 1-hydrate)

Sodium Hyposulphite
(see Sodium Thiosulphate)

Sodium Iodate PA
$NaIO_3$

M: 197,89 CAS: 7681-55-2 EINECS: 231-672-5 NC: 2829 90 80 UN: 1479
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

R: 8 S: 17

SPECIFICATIONS:
Minimum assay (Iodom.) ..... 99,0 %

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 130°C ..... 0,1 %
Nitrogen compounds (as N) ..... 0,003 %
Bromate, bromide, chlorate and chloride (as Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,005 %
Iodide (I) ..... 0,001 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
K ..... 0,01 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
122338.1208	100 g	6
122338.1209	250 g	6
122338.1214	5 kg	4

Sodium Iodate PRS
$NaIO_3$

M: 197,89 CAS: 7681-55-2 EINECS: 231-672-5 NC: 2829 90 80 UN: 1479
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511
HAZARDOUS:

R: 8 S: 17

SPECIFICATIONS:
Assay (Iodom.) ..... 98 %
Insoluble matter in H_2O ..... 0,025 %
Loss on drying at 130°C ..... 0,2 %
Nitrogen compounds (as N) ..... 0,01 %
Bromate, bromide, chlorate and chloride (as Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,01 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
142338.1208	100 g	6
142338.1209	250 g	6
142338.1214	5 kg	4

Sodium Iodide PA-ACS
NaI

M: 149,89 CAS: 7681-82-5 EINECS: 231-679-3 NC: 2827 60 00
SPECIFICATIONS:
Minimum assay (Arg.) ..... 99,5 %
pH of 5% solution 6,0-9,0

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Nitrogen compounds (as N) ..... 0,002 %
Chloride and bromide (as Cl) ..... 0,01 %
Phosphate (PO_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,0025 %
Iodate (IO_3) ..... 0,0003 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0001 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Co	5	Pb	1
Al	5	Fe	5	Sr	5
Au	5	Ga	5	Ti	5
B	5	K	100	V	5
Ba	20	Mg	10	Zn	5
Be	5	Mn	5	Zr	5
Ca	10	Ni	5		

Order code	Package	Units/Box st.
131726.1609	250 g	6
131726.1610	500 g	6
131726.1611	1000 g	6
131726.1214	5 kg	4
131726.0416	25 kg	

Sodium Iodide PRS
NaI

M: 149,89 CAS: 7681-82-5 EINECS: 231-679-3 NC: 2827 60 00
SPECIFICATIONS:
Assay (Arg.) ..... 98 %
pH of 5% solution 6,0-9,2
Insoluble matter in H_2O ..... 0,025 %
Nitrogen compounds (as N) ..... 0,005 %
Chloride and bromide (as Cl) ..... 0,05 %
Phosphate (PO_4) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
As ..... 0,0003 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141726.1609	250 g	6
141726.1610	500 g	6
141726.1611	1000 g	6
141726.1214	5 kg	4
141726.0416	25 kg	

Sodium Iodide 2-hydrate PA
$NaI.2H_2O$

M: 185,93 CAS: 13517-06-1 EINECS: 231-679-3 NC: 2827 60 00
SPECIFICATIONS:
Minimum assay (Arg.) ..... 99,0 %
pH of 5% solution 6,0-9,0

MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,005 %
Nitrogen compounds (as N) ..... 0,002 %
Chloride and bromide (as Cl) ..... 0,02 %
Phosphate (PO_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,0025 %
Iodate (IO_3) ..... 0,0003 %
As ..... 0,0001 %
Ba ..... 0,002 %
Ca ..... 0,005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,01 %
Mg ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
122099.1609	250 g	6
122099.1214	5 kg	4

Sodium Iodide 2-hydrate PRS
$NaI.2H_2O$

M: 185,93 CAS: 13517-06-1 EINECS: 231-679-3 NC: 2827 60 00
SPECIFICATIONS:
Assay (Arg.) ..... 98 %
pH of 5% solution 6,0-9,0
Insoluble matter in H_2O ..... 0,01 %
Nitrogen compounds (as N) ..... 0,005 %
Chloride and bromide (as Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,005 %
As ..... 0,0002 %
Ba ..... 0,005 %
Ca ..... 0,01 %
Cu ..... 0,002 %
Fe ..... 0,002 %
K ..... 0,05 %
Mg ..... 0,01 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
142099.1609	250 g	6

Sodium Lactate PRS
$C_3H_5NaO_3$

M: 112,06 CAS: 867-56-1 EINECS: 212-762-3 NC: 2918 11 00
SPECIFICATIONS:
Assay (Perchl. Ac.) ..... 98 %
Reducing sugars ..... p/t.
Methanol and methyl esters ..... 0,025 %
Citrate, Oxalate, Phosphate or Tartrate ..... p/t.
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,05 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0003 %
Ca ..... 0,01 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Pb ..... 0,001 %
Zn ..... 0,001 %

Order code	Package	Units/Box st.
143306.1210	500 g	6
143306.1211	1000 g	6

Sodium Lactate solution 50% w/w (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_3H_5NaO_3$

M: 112,06 CAS: 72-17-3 EINECS: 200-772-0 NC: 2918 11 00

1l~1,272kg 1kg~0,786l

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 50,0 %
Identity according to Pharmacopoeias ..... p/t.
Density at 20/4 1,267-1,277
pH 6,5-9,0

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Reducing sugars ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t.
Methanol and methyl esters ..... 0,025 %
Citrate, oxalate, phosphate or tartrate. ..... p/t.
Chloride (Cl) ..... 0,0025 %
Sulphate (SO_4) ..... 0,005 %
Sulphate (SO_4) (USP) ..... p/t.
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0003 %
Ba ..... p/t.
Ca ..... 0,01 %
Cu ..... 0,001 %
Fe ..... 0,0005 %
Pb ..... 0,001 %
Zn ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
143307.1211	1000 ml	6
143307.1214	5 l	4

Sodium Lactate solution 50% w/w (F.C.C.) ADITIO

$C_3H_5NaO_3$

M: 112,06 CAS: 72-17-3 EINECS: 200-772-0 NC: 2918 11 00

1l~1,272kg 1kg~0,786l

SPECIFICATIONS:

Assay ($C_3H_5NaO_3$), not less than ..... 50,0 %
Arsenic (as As), not more than ..... 3 ppm
pH 5,0-9,0
Acidity (as lactic acid) on dried matter, not more than ..... 0,5 %
Chloride, not more than ..... 0,05 %
Sulphate, not more than ..... 0,005 %
Methanol and Methyl Esters, not more than ..... 0,025 %
Citrate, Oxalate, Phosphate or Tartrate. ..... p/t.
Cyanide, not more than ..... 0,5 ppm
Reducing sugars ..... p/t.
Heavy metals (as Pb), not more than ..... 10 ppm
Lead, not more than ..... 2 ppm
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 96/77/CE, F.C.C. 6

Order code	Package	Units/Box st.
203307.1214	5 l	4

Sodium Laurylsulphate

(see Sodium Dodecyl Sulphate)

Sodium Malonate, 99% PS

$C_3H_2Na_2O_4$

M: 148,0 CAS: 141-95-7 EINECS: 205-514-0 NC: 2917 19 10

SPECIFICATIONS:

Minimum assay ..... 99 %
Identity ..... IR p/t.
pH of 5% solution 5,8-9,0
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Water (H_2O) ..... 0,5 %

Order code	Package	Units/Box st.
15B852.1206	25 g	6
15B852.1208	100 g	6

Sodium Metaarsenite

(see Sodium meta-Arsenite)

Sodium Metabisulphite

(see Sodium Disulphite)

Sodium Metaperiodate

(see Sodium meta-Periodate)

Sodium Methoxide

(see Sodium Methylate)

SODIUM METHYLATE SOLUTIONS

Sodium Methylate solution ~30% in methanol PS

CH_3ONa

M: 54,02 CAS: 124-41-4 EINECS: 204-699-5 NC: 3822 00 00 UN: 1289

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F T C

R: 11-23/24/25-39/23/24/25-34 S: 7-16-36/37-26-45

1l~0,970kg 1kg~1,031l

SPECIFICATIONS:

Assay (Acidim.) ..... ~30 %
Density at 20/4 0,968-0,972

Order code	Package	Units/Box st.
15A868.1611	1000 ml	6
15A868.1612	2,5 l	4

Sodium Methylate 0,5 mol/l methanolic PA-ACS

CH_3ONa

M: 54,02 CAS: 124-41-4 NC: 3822 00 00 UN: 1992

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F T

R: 11-38-23/24/25-39/23/24/25 S: 7-16-36/37-45

1l~0,815kg 1kg~1,227l

SPECIFICATIONS:

Assay (Acidim.) ..... 0,48-0,52 mol/l

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Bottled under nitrogen atmosphere.

Order code	Package	Units/Box st.
135279.1608	100 ml	6

Sodium Molybdate 2-hydrate (Reag. Ph. Eur.) PA-ACS

$Na_2MoO_4.2H_2O$

M: 241,95 CAS: 10102-40-6 EINECS: 231-551-7 NC: 2841 70 00

SPECIFICATIONS:

Assay (Compl.) 99,5-103,0%
pH of 5% solution 7,0-10,5

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,0005 %
Nitrate (NO_3) ..... 0,005 %
Ammonium (NH_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,0005 %
Ca ..... 0,001 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,05 %
Mg ..... 0,001 %
Mn ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131701.1208	100 g	6
131701.1209	250 g	6
131701.1211	1000 g	6
131701.1214	5 kg	4
131701.0416	25 kg	

Sodium Molybdate 2-hydrate (BP, Ph. Eur.) PRS-CODEX

$Na_2MoO_4.2H_2O$

M: 241,95 CAS: 10102-40-6 EINECS: 231-551-7 NC: 2841 70 00

SPECIFICATIONS:

Assay (Compl.) calc. a.a.s ..... 98,0-100,5 %
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 7,0-10,5

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,02 %
Loss on drying at 140°C ..... 14,0-16,0 %
Residual solvents (Ph.Eur./USP) ..... p/t
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,005 %
Sulphate (SO_4) ..... 0,05 %
Ammonium (NH_4) ..... 0,001 %
Heavy metals (as Pb) ..... 0,001 %
Cu ..... 0,005 %
Fe ..... 0,005 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
141701.1208	100 g P	6
141701.1209	250 g P	6
141701.1211	1000 g P	6
141701.0914	5 kg PP	
141701.0416	25 kg PP	

Sodium Nitrate (Reag. Ph. Eur.) PA-ACS-ISO

$NaNO_3$

M: 84,99 CAS: 7631-99-4 EINECS: 231-554-3 NC: 3102 50 90 UN: 1498
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

HAZARDOUS:

O

R: 8 S: 16-41

SPECIFICATIONS:

Minimum assay ..... 99,0 %
pH of 5% solution 5,5-8,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,003 %
Chloride (Cl) ..... 0,001 %
Phosphate (PO_4) ..... 0,0005 %
Nitrite (NO_2) ..... 0,001 %
Sulphate (SO_4) ..... 0,002 %
Iodate (IO_3) ..... 0,0005 %
Ammonium (NH_4) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00004 %
Ca ..... 0,005 %
Cd ..... 0,0002 %
Co ..... 0,0002 %
Cu ..... 0,0002 %
Fe ..... 0,0002 %
K ..... 0,005 %
Mg ..... 0,001 %
Mn ..... 0,0002 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131702.1210	500 g P	6
131702.1211	1000 g P	6
131702.1214	5 kg P	4
131702.0416	25 kg PP	

Sodium Nitrate PRS

$NaNO_3$

M: 84,99 CAS: 7631-99-4 EINECS: 231-554-3 NC: 3102 50 90 UN: 1498
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

HAZARDOUS:

O

R: 8 S: 16-41

SPECIFICATIONS:

Assay ..... 99 %
pH of 5% solution 5,0-8,0
Insoluble matter in H_2O ..... 0,025 %
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,01 %
Ammonium (NH_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0002 %
Ca ..... 0,005 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Mg ..... 0,005 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141702.1210	500 g P	6
141702.1211	1000 g P	6
141702.1214	5 kg P	4
141702.0416	25 kg PP	

Sodium Nitrate (E-251, F.C.C.) ADITIO

$NaNO_3$

M: 84,99 CAS: 7631-99-4 EINECS: 231-554-3 NC: 3102 50 90 UN: 1498
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

HAZARDOUS:

O

R: 8 S: 16-41

SPECIFICATIONS:

Assay (as $NaNO_3$) after drying 99,0-100,5%
pH of 5% solution 5,5-8,3
Arsenic (as As), not more than ..... 3 ppm
Total Chlorine (approx. 0,2%) ..... p/t.
Loss on drying, not more than ..... 1 %
Nitrite (as $NaNO_2$), not more than ..... 30 ppm
Lead, not more than ..... 4 ppm
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201702.1214	5 kg P	4
201702.0416	25 kg PP	

Sodium Nitrite (Reag. Ph. Eur.) PA-ACS

$NaNO_2$

M: 69,00 CAS: 7632-00-0 EINECS: 231-555-9 NC: 2834 10 00 UN: 1500
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

HAZARDOUS:

O T N

R: 8-25-50 S: 45-61 CE: 007-010-00-4

SPECIFICATIONS:

Minimum assay (Perm.) ..... 98,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,003 %
Chloride (Cl) ..... 0,002 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00004 %

Metals by ICP [mg/Kg (ppm)]

Al	5	Cu	10	Ni	10
Au	5	Fe	10	Pb	10
B	5	Ga	5	Sb	5
Ba	5	Ge	5	Si	5
Be	5	Hg	5	Sn	5
Bi	5	K	50	Sr	5
Ca	25	Li	5	Ti	5
Cd	5	Mg	25	Tl	5
Co	5	Mn	5	V	5
Cr	5	Mo	5	Zn	10

Order code	Package	Units/Box st.
131703.1210	500 g P	6
131703.1211	1000 g P	6
131703.1214	5 kg P	4
131703.0416	25 kg PP	

Sodium Nitrite (USP) PRS-CODEX

$NaNO_2$

M: 69,00 CAS: 7632-00-0 EINECS: 231-555-9 NC: 2834 10 00 UN: 1500
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

HAZARDOUS:

O T N

R: 8-25-50 S: 45-61 CE: 007-010-00-4

SPECIFICATIONS:

Assay (Perm.) calc. a.d.s 97,0-101,0%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,025 %
Loss on drying ..... 0,25 %
Residual solvents (Ph.Eur./USP) ..... p/t
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0002 %
Ca ..... 0,01 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Mg ..... 0,01 %
Ni ..... 0,002 %
Pb ..... 0,002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141703.1210	500 g P	6
141703.1211	1000 g P	6
141703.1214	5 kg P	4
141703.0416	25 kg PP	

Sodium Nitrite (E-250, F.C.C.) ADITIO

$NaNO_2$

M: 69,00 CAS: 7632-00-0 EINECS: 231-555-9 NC: 2834 10 00 UN: 1500
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518
HAZARDOUS:

O T N

R: 8-25-50 S: 45-61 CE: 007-010-00-4

SPECIFICATIONS:
Assay (as $NaNO_2$) after drying 98,0-100,5%
Arsenic (as As), not more than .... 3 ppm
Loss on drying, not more than .... 0,25 %
Lead, not more than .... 4 ppm
Heavy metals (as Pb), not more than .... 0,001 %
Mercury (Hg), not more than .... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201703.1214	5 kg	4
201703.0416	25 kg	

Sodium Nitroferricyanide

(see Sodium Pentacyanonitrosoferrate(III))

Sodium Nitroprusside

(see Sodium Pentacyanonitrosoferrate(III))

Sodium 1-Octanesulphonate

(see 1-Octane Sulphonic Acid Sodium Salt)

di-Sodium Oxalate EQP-ACS

Primary Chemical Matter
$(NaCOO)_2$

M: 134,00 CAS: 62-76-0 EINECS: 200-550-3 NC: 2917 11 00 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn

R: 21/22 S: 24/25 CE: 607-007-00-3

SPECIFICATIONS:
Assay (Perm.)(after dried at 130°C) 99,95-100,05%
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O .... 0,005 %
Darkened substances by H_2SO_4 .... p/t.
Neutrality .... p/t.
Chloride (Cl) .... 0,002 %
Phosphate (PO_4) .... 0,005 %
Sulphate (SO_4) .... 0,002 %
Ammonium (NH_4) .... 0,002 %
Heavy metals (as Pb) .... 0,002 %
Cu .... 0,001 %
Fe .... 0,0005 %
K .... 0,005 %
Ni .... 0,001 %
Pb .... 0,001 %

Order code	Package	Units/Box st.
241706.1521	10 x 1,5 g	6
241706.1608	100 g	6

di-Sodium Oxalate (Reag. USP, Ph. Eur.) PA-ACS

$(NaCOO)_2$

M: 134,00 CAS: 62-76-0 EINECS: 200-550-3 NC: 2917 11 00 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn

R: 21/22 S: 24/25 CE: 607-007-00-3

SPECIFICATIONS:
Minimum assay (Perm.) .... 99,5 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O .... 0,005 %
Loss on drying at 105°C .... 0,01 %
Darkened substances by H_2SO_4 .... p/t.
Neutrality .... p/t.
Chloride (Cl) .... 0,002 %
Phosphate (PO_4) .... 0,005 %
Sulphate (SO_4) .... 0,002 %
Ammonium (NH_4) .... 0,002 %
Heavy metals (as Pb) .... 0,002 %
Cu .... 0,001 %
Fe .... 0,001 %
K .... 0,005 %
Ni .... 0,001 %
Pb .... 0,001 %

Order code	Package	Units/Box st.
131706.1210	500 g	6
131706.1211	1000 g	6
131706.0914	5 kg	
131706.0416	25 kg	

di-Sodium Oxalate PRS

$(NaCOO)_2$

M: 134,00 CAS: 62-76-0 EINECS: 200-550-3 NC: 2917 11 00 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

Xn

R: 21/22 S: 24/25 CE: 607-007-00-3

SPECIFICATIONS:
Assay (Perm.) .... 98 %
Insoluble matter in H_2O .... 0,025 %
Chloride (Cl) .... 0,01 %
Sulphate (SO_4) .... 0,01 %
Ammonium (NH_4) .... 0,005 %
Cu .... 0,003 %
Fe .... 0,003 %
Ni .... 0,003 %
Pb .... 0,003 %

Order code	Package	Units/Box st.
141706.1210	500 g	6
141706.1211	1000 g	6
141706.0914	5 kg	
141706.0416	25 kg	

di-Sodium Oxalate 0,1 mol/l (0,1M) DC

for hematology, prothrombin time
$C_2Na_2O_4$

M: 134,00 CAS: 62-76-0 EINECS: 200-550-3 NC: 2917 11 00
1l~1,008kg 1kg~0,992l
Composition:
di-Sodium Oxalate .... 1,35 g
Water s.q.m .... 100 ml

Order code	Package	Units/Box st.
251707.1211	1000 ml	6

Sodium 2-Oxopropanoate

(see Sodium Pyruvate)

Sodium Paraperiodate

(see Sodium para-Periodate)

Sodium Pentacyanonitrosoferrate(III) 2-hydrate (Reag. Ph. Eur.) PA-ACS

$Na_2Fe(CN)_5NO.2H_2O$

M: 297,95 CAS: 13755-38-9 EINECS: 238-373-9 NC: 2837 20 00 UN: 1588
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T

R: 25 S: 22-37-45

SPECIFICATIONS:
Assay (Arg.) 99,0-102,0%
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O .... 0,01 %
Chloride (Cl) .... 0,01 %
Hexacyanoferrate (II) $[Fe(CN)_6]^{4-}$ .... 0,02 %
Hexacyanoferrate (III) $[Fe(CN)_6]^{3-}$ .... 0,01 %
Sulphate (SO_4) .... 0,01 %
Ca .... 0,001 %
Cd .... 0,0005 %
Co .... 0,0005 %
Cr .... 0,005 %
Cu .... 0,0005 %
K .... 0,3 %
Mg .... 0,0005 %
Mn .... 0,0005 %
Ni .... 0,0005 %
Pb .... 0,0005 %
Zn .... 0,005 %

Order code	Package	Units/Box st.
131705.1206	25 g	6
131705.1208	100 g	6

Sodium Pentacyanonitrosoferrate(III) 2-hydrate PA

$Na_2Fe(CN)_5NO.2H_2O$

M: 297,95 CAS: 13755-38-9 EINECS: 238-373-9 NC: 2837 20 00 UN: 1588
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:

T

R: 25 S: 22-37-45

SPECIFICATIONS:
Minimum assay (Arg.) .... 99,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O .... 0,01 %
Chloride (Cl) .... 0,01 %
Hexacyanoferrate (III) $[Fe(CN)_6]^{3-}$ .... 0,02 %
Hexacyanoferrate (II) $[Fe(CN)_6]^{4-}$ .... 0,02 %
Sulphate (SO_4) .... 0,01 %

Order code	Package	Units/Box st.
121705.1208	100 g	6
121705.1210	500 g	6

Sodium Perborate 4-hydrate (BP, Ph. Eur.) PRS-CODEX

$NaBO_3.4H_2O$

M: 153,86 CAS: 10486-00-7 EINECS: 239-172-9 NC: 2840 30 00 UN: 1479
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

O Xn

R: 8-22-36/37/38 S: 17-26-36

SPECIFICATIONS:

Assay (Perm.) ..... 96,0-103,0 %
Identity according to Pharmacopoeias ..... p/t.
pH of 1% solution 10,2-10,6

MAXIMUM LIMIT OF IMPURITIES

Residual solvents (Ph.Eur./USP) ..... p/t.
Chloride (Cl) ..... 0,010 %
Sulphate (SO_4) ..... 1,2 %
Heavy metals (as Pb) ..... 0,001 %
Ag ..... 0,001 %
As ..... 0,0008 %
Bi ..... 0,027 %
Cd ..... 0,001 %
Cu ..... 0,005 %
Cr ..... 0,001 %
Fe ..... 0,002 %
Ni ..... 0,001 %
Zn ..... 0,005 %

Order code	Package	Units/Box st.
145642.1211	1000 g	6

Sodium Perchlorate 1-hydrate (Reag. USP) PA-ACS

$NaClO_4.H_2O$

M: 140,46 CAS: 7791-07-3 EINECS: 231-511-9 NC: 2829 90 10 UN: 1502
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

O Xn

R: 9-22 S: 13-22-27 CE: 017-010-00-6

SPECIFICATIONS:

Assay (Arg.) 98,0-102,0%
pH of 5% solution 6,0-8,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Nitrogen compounds (as N) ..... 0,001 %
Chlorate (ClO_3) ..... 0,05 %
Chloride (Cl) ..... 0,003 %
Phosphate (PO_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,01 %
Mg ..... 0,005 %
Mn ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
134387.1208	100 g	6
134387.1210	500 g	6
134387.1214	5 kg	4

Sodium Periodate

(see Sodium meta-Periodate)

Sodium meta-Periodate (Reag. Ph. Eur.) PA-ACS

$NaIO_4$

M: 213,89 CAS: 7790-28-5 EINECS: 232-197-6 NC: 2829 90 10 UN: 1479
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

O

R: 8 S: 17

SPECIFICATIONS:

Assay (Iodom.) a.d.s 99,8-100,3%
pH of 0,5% solution 4,5-5,5

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 110°C ..... 0,05 %
Bromide, chlorate and chloride (as Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,01 %
Iodide (I) ..... 0,001 %
Ca ..... 0,01 %
Mg ..... 0,002 %
Mn ..... 0,0003 %

Order code	Package	Units/Box st.
131700.1208	100 g	6
131700.1209	250 g	6
131700.1214	5 kg	4

Sodium meta-Periodate QP

$NaIO_4$

M: 213,89 CAS: 7790-28-5 EINECS: 232-197-6 NC: 2829 90 10 UN: 1479
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

O

R: 8 S: 17

SPECIFICATIONS:

Assay (Iodom.) a.d.s ..... 99,5 %
Insoluble matter in H_2O ..... 0,05 %
Bromide, chlorate and chloride (as Cl) ..... 0,05 %
Iodide (I) ..... 0,002 %

Order code	Package	Units/Box st.
211700.1211	1000 g	6

Sodium para-Periodate PA

$Na_3H_2IO_6$

M: 293,89 CAS: 13940-38-0 EINECS: 237-720-1 NC: 2829 90 80 UN: 1479
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

O

R: 8 S: 17

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 99 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HNO_3 ..... 0,01 %
Loss on drying at 110°C ..... 0,2 %
Bromide, chlorate and chloride (as Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Iodide (I) ..... 0,001 %
Mn ..... 0,0001 %

Order code	Package	Units/Box st.
121672.1208	100 g	6
121672.1209	250 g	6
121672.1214	5 kg	4

Sodium Peroxide granulated PA-ACS

Na_2O_2

M: 77,98 CAS: 1313-60-6 EINECS: 215-209-4 NC: 2815 30 00 UN: 1504
IMDG: 5.1/I ADR: 5.1/I IATA: 5.1/I PAX: P CAO: 512

HAZARDOUS:

O C

R: 8-35 S: 8-27-39-45 CE: 011-003-00-1

SPECIFICATIONS:

Minimum assay (Perm.) ..... 95,0 %

MAXIMUM LIMIT OF IMPURITIES

Nitrogen compounds (as N) ..... 0,003 %
Chloride (Cl) ..... 0,002 %
Phosphate (PO_4) ..... 0,0005 %
Sulphate (SO_4) ..... 0,001 %
Heavy metals (as Pb) ..... 0,002 %
Cd ..... 0,001 %
Co ..... 0,001 %
Cr ..... 0,001 %
Cu ..... 0,001 %
Fe ..... 0,002 %
K ..... 0,05 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Zn ..... 0,001 %

Order code	Package	Units/Box st.
131708.1208	100 g	6
131708.1209	250 g	6

Sodium Peroxide granulated PA

Na_2O_2

M: 77,98 CAS: 1313-60-6 EINECS: 215-209-4 NC: 2815 30 00 UN: 1504
IMDG: 5.1/I ADR: 5.1/I IATA: 5.1/I PAX: P CAO: 512

HAZARDOUS:

O C

R: 8-35 S: 8-27-39-45 CE: 011-003-00-1

SPECIFICATIONS:

Minimum assay (Perm.) ..... 95,0 %

MAXIMUM LIMIT OF IMPURITIES

Nitrogen compounds (as N) ..... 0,003 %
Chloride (Cl) ..... 0,002 %
Phosphate (PO_4) ..... 0,002 %
Sulphate (SO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,002 %
Cd ..... 0,002 %
Co ..... 0,002 %
Cr ..... 0,002 %
Cu ..... 0,002 %
Fe ..... 0,002 %
K ..... 0,05 %
Ni ..... 0,002 %
Pb ..... 0,002 %
Zn ..... 0,005 %

Order code	Package	Units/Box st.
121708.1208	100 g	6
121708.1209	250 g	6
121708.1214	5 kg	4

Sodium Peroxide, 95% granulated PS

Na_2O_2

M: 77,98 CAS: 1313-60-6 EINECS: 215-209-4 NC: 2815 30 00 UN: 1504
IMDG: 5.1/I ADR: 5.1/I IATA: 5.1/I PAX: P CAO: 512
HAZARDOUS:

O C **R: 8-35 S: 8-27-39-45 CE: 011-003-00-1**

SPECIFICATIONS:
Minimum assay (Perm.) ..... 95 %

Order code	Package	Units/Box st.
161708.1208	100 g P	6

Sodium Peroxodisulphate PRS

$Na_2S_2O_8$

M: 238,09 CAS: 7775-27-1 EINECS: 231-892-1 NC: 2833 40 00 UN: 1505
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518
HAZARDOUS:

O Xn **R: 8-22-42/43 S: 17-26-43a**

SPECIFICATIONS:
Assay (Iodom.) ..... 98 %*
Insoluble matter in H_2O ..... 0,05 %
Chlorine compounds (as Cl) ..... 0,05 %
Nitrogen compounds (as N) ..... 0,1 %
Ca ..... 0,01 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Mg ..... 0,01 %
Ni ..... 0,002 %
Pb ..... 0,002 %
*At the moment of the batch analysis

Order code	Package	Units/Box st.
143396.1210	500 g P	6
143396.1211	1000 g P	6
143396.1214	5 kg P	4

Sodium Peroxydisulphate

(see Sodium Peroxodisulphate)

Sodium Persulphate

(see Sodium Peroxodisulphate)

Sodium tetra-Phenylborate (Reag. Ph. Eur.) PA-ACS

(KALIGNOST ®) (® Registered trade-mark of Heyl Co. Berlin)
$C_{24}H_{20}BNa$

M: 342,23 CAS: 143-66-8 EINECS: 205-605-5 NC: 2931 00 95
SPECIFICATIONS:
Minimum assay ..... 99,5 %
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Loss on drying at 105°C ..... 0,5 %
Sensitivity to K ..... p/t.

Order code	Package	Units/Box st.
132440.1605	10 g	6
132440.1606	25 g	6
132440.1608	100 g	6

di-Sodium Phenyl Phosphate 2-hydrate PA

for determination of phosphatase in milk
$Na_2C_6H_5PO_4.2H_2O$

M: 254,09 CAS: 3279-54-7 EINECS: 221-917-4 NC: 2919 90 90
SPECIFICATIONS:
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,05 %
Loss on drying at 105°C ..... 15 %
Phenol ..... p/t.

Order code	Package	Units/Box st.
121674.1605	10 g	6
121674.1607	50 g	6

di-Sodium di-Phosphate

(see di-Sodium di-Hydrogen Pyrophosphate)

Sodium Phosphate mono-Basic

(see Sodium di-Hydrogen Phosphate)

tetra-Sodium di-Phosphate

(see tetra-Sodium Pyrophosphate)

Sodium Phosphate di-Basic

(see di-Sodium Hydrogen Phosphate)

Sodium Phosphate tri-Basic

(see tri-Sodium Phosphate)

tri-Sodium Phosphate 1-hydrate PRS

$Na_3PO_4.H_2O$

M: 181,15 EINECS: 231-509-8 NC: 2835 29 30
HAZARDOUS:
S: 24/25-26
SPECIFICATIONS:
Assay (Acidim.) ..... 95 %
Insoluble matter in H_2O ..... 0,05 %
Nitrogen compounds (as N) ..... 0,005 %
Chloride (Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,05 %
As ..... 0,0005 %
Cu ..... 0,003 %
Fe ..... 0,003 %
Ni ..... 0,003 %
Pb ..... 0,003 %

Order code	Package	Units/Box st.
141681.1210	500 g P	6
141681.1211	1000 g P	6
141681.0914	5 kg PP	

tri-Sodium Phosphate 12-hydrate (Reag. Ph. Eur.) PA-ACS

$Na_3PO_4.12H_2O$

M: 380,12 CAS: 10101-89-0 EINECS: 231-509-8 NC: 2835 29 30
HAZARDOUS:
S: 24/25-26
SPECIFICATIONS:
Assay (Acidim.) 98,0-102,0%
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,01 %
Alkalinity (as NaOH) ..... 2,5 %
Nitrogen compounds (as N) ..... 0,001 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0005 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131680.1210	500 g P	6
131680.1211	1000 g P	6
131680.0914	5 kg PP	
131680.0416	25 kg PP	

tri-Sodium Phosphate 12-hydrate PRS

$Na_3PO_4.12H_2O$

M: 380,12 CAS: 10101-89-0 EINECS: 231-509-8 NC: 2835 29 30
HAZARDOUS:
S: 24/25-26
SPECIFICATIONS:
Assay (Acidim.) ..... 98 %
Insoluble matter in H_2O ..... 0,025 %
Nitrogen compounds (as N) ..... 0,005 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,03 %
As ..... 0,0005 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141680.1210	500 g P	6
141680.1211	1000 g P	6
141680.0914	5 kg PP	
141680.0416	25 kg PP	

tri-Sodium Phosphate 12-hydrate (E-339iii, F.C.C.) ADITIO

$Na_3PO_4.12H_2O$

M: 380,12 CAS: 10101-89-0 EINECS: 231-509-8 NC: 2835 29 30

HAZARDOUS:

S: 24/25-26

SPECIFICATIONS:

Assay (Na_3PO_4) calc. on ignited basis, not less than ..... 92,0 %
pH of 1% solution 11,5-12,0
P_2O_5 content (a.a.s.) ..... 40,5-43,5 %
Arsenic (as As), not more than ..... 3 ppm
Fluoride, not more than ..... 10 ppm
Loss on ignition ..... 45,0-57,0 %
Insoluble substances, not more than ..... 0,2 %
Heavy metals (as Pb), not more than ..... 10 ppm
Cadmium, not more than ..... 1 ppm
Lead, not more than ..... 4 ppm
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2002/82/EC, F.C.C. 6

Order code	Package	Units/Box st.
201680.0914	5 kg PP	
201680.0416	25 kg PP	

Sodium Phosphinate 1-hydrate (DAC) PRS-CODEX

$NaH_2PO_2.H_2O$

M: 105,99 CAS: 10039-56-2 EINECS: 231-669-9 NC: 2835 10 00

SPECIFICATIONS:

Assay (Iodom.) 99,0-103,0%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t
Acidity ..... p/t.
Chloride (Cl) ..... 0,04 %
Phosphate, Phosphite ..... p/t.
Sulphate (SO_4) ..... 0,05 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0005 %
Ca ..... 0,02 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141697.1209	250 g P	6
141697.1211	1000 g P	6
141697.1214	5 kg P	4

Sodium Plumbite solution (Doctor solution) RE

sulphide reagent

NC: 3822 00 00 UN: 3266

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

T C **R: 35-61-62-E20/22-33-51/53 S: 26-37/39-53-45-61**

1l~1,143kg 1kg~0,875l

SPECIFICATIONS:

Suitability as sulphide reagent ..... p/t.

Order code	Package	Units/Box st.
175506.1211	1000 ml P	6

Sodium Polyanetholesulphonate

(see Polyanetholesulphonic Acid Sodium Salt)

Sodium Poly meta-Phosphate

(see Sodium Polyphosphate)

Sodium Polyphosphate PRS

$(NaPO_3)_n$

CAS: 50813-16-6 EINECS: 233-343-1 NC: 2835 39 00

SPECIFICATIONS:

Assay (as P_2O_5)(Acidim.) ..... 65-70 %
Insoluble matter in H_2O ..... 0,01 %
Chloride (Cl) ..... 0,03 %
Sulphate (SO_4) ..... 0,1 %
As ..... 0,0002 %
Cu ..... 0,0025 %
Fe ..... 0,01 %
Ni ..... 0,0025 %
Pb ..... 0,0025 %

Order code	Package	Units/Box st.
141684.1210	500 g P	6
141684.1211	1000 g P	6
141684.1214	5 kg P	4
141684.0416	25 kg PP	

Sodium Polyphosphate (E-452i, F.C.C.) ADITIO

$(NaPO_3)_n$

CAS: 50813-16-6 EINECS: 233-343-1 NC: 2835 39 00

SPECIFICATIONS:

Assay (as P_2O_5) calculated on ignited basis ..... 60,5-70,6 %
Arsenic (as As), not more than ..... 3 ppm
Fluoride, not more than ..... 10 ppm
Insoluble matter in water, not more than ..... 0,1 %
Loss on heating, not more than ..... 1 %
pH of 1% 3,6-9,0
Lead, not more than ..... 4 ppm
Mercury, not more than ..... 1 ppm
Cadmium, not more than ..... 1 ppm
Specifications Directive 2002/82/EC, F.C.C. 6

Order code	Package	Units/Box st.
201684.1214	5 kg P	4
201684.0416	25 kg PP	

Sodium Propanedionate

(see Sodium Malonate)

Sodium Propionate (USP-NF) PRS-CODEX

CH_3CH_2COONa

M: 96,06 CAS: 137-40-6 EINECS: 205-290-4 NC: 2915 50 00

HAZARDOUS:

Xn **R: 21 S: 26**

SPECIFICATIONS:

Assay (Perchl. Ac.) calc. a.d.s 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Alkalinity ..... p/t.
Water (H_2O) ..... 1,0 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Heavy metals (as Pb) ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
143473.1209	250 g P	6
143473.1211	1000 g P	6

tetra-Sodium Pyrophosphate anhydrous PRS

$Na_4P_2O_7$

M: 265,91 CAS: 7722-88-5 EINECS: 231-767-1 NC: 2835 39 00

SPECIFICATIONS:

Assay (Acidim.) ..... 99 %
pH of 5% solution 9,5-10,7
Insoluble matter in H_2O ..... 0,05 %
Chloride (Cl) ..... 0,1 %
Nitrate (NO_3) ..... 0,02 %
As ..... 0,001 %
Ca ..... 0,1 %
Cu ..... 0,003 %
Fe ..... 0,003 %
Mg ..... 0,1 %
Ni ..... 0,003 %
Pb ..... 0,003 %

Order code	Package	Units/Box st.
141711.1210	500 g P	6
141711.1211	1000 g P	6
141711.0914	5 kg PP	
141711.0416	25 kg	

tetra-Sodium Pyrophosphate anhydrous (E-450iii, F.C.C.) ADITIO

$Na_4P_2O_7$

M: 265,91 CAS: 7722-88-5 EINECS: 231-767-1 NC: 2835 39 00

SPECIFICATIONS:

Assay ($Na_4P_2O_7$) calc. on ignited basis 95,0-100,5%
Arsenic (as As), not more than ..... 3 ppm
Insoluble substances, not more than ..... 0,2 %
Loss on ignition, not more than ..... 0,5 %
P_2O_5 content ..... 52,5-54,0 %
pH of 1% 9,9-10,7
Fluoride, not more than ..... 10 ppm
Lead, not more than ..... 4 ppm
Cadmium, not more than ..... 1 ppm
Mercury, not more than ..... 1 ppm
Specifications Dir. 2008/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
201711.0914	5 kg PP	

tetra-Sodium Pyrophosphate 10-hydrate PA

$Na_4P_2O_7.10H_2O$

M: 446,06 CAS: 13472-36-1 EINECS: 231-767-1 NC: 2835 39 00

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99,0 %
pH of 5% solution 9,5-10,7

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Carbonate ..... p/t.
Chloride (Cl) ..... 0,005 %
Nitrate (NO_3) ..... 0,003 %
Sulphate (SO_4) ..... 0,005 %
As ..... 0,0003 %
Ca ..... 0,01 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Mg ..... 0,01 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
121710.1210	500 g P	6
121710.1211	1000 g P	6
121710.1214	5 kg P	4
121710.0416	25 kg PP	

tetra-Sodium Pyrophosphate 10-hydrate PRS

$Na_4P_2O_7.10H_2O$

M: 446,06 CAS: 13472-36-1 EINECS: 231-767-1 NC: 2835 39 00

SPECIFICATIONS:

Assay (Acidim.) ..... 98 %
pH of 5% solution 9,5-10,7
Insoluble matter in H_2O ..... 0,025 %
Chloride (Cl) ..... 0,01 %
Nitrate (NO_3) ..... 0,01 %
Sulphate (SO_4) ..... 0,05 %
As ..... 0,001 %
Ca ..... 0,05 %
Cu ..... 0,003 %
Fe ..... 0,003 %
Mg ..... 0,05 %
Ni ..... 0,003 %
Pb ..... 0,003 %

Order code	Package	Units/Box st.
141710.1210	500 g P	6
141710.1211	1000 g P	6
141710.1214	5 kg P	4
141710.0416	25 kg PP	

tetra-Sodium Pyrophosphate 10-hydrate (E-450iii, F.C.C.) ADITIO

$Na_4P_2O_7.10H_2O$

M: 446,06 CAS: 13472-36-1 EINECS: 231-767-1 NC: 2835 39 00

SPECIFICATIONS:

Assay ($Na_4P_2O_7$) calulated on ignited basis 95,0-100,5%
Arsenic (as As), not more than ..... 3 ppm
Insoluble substances, not more than ..... 0,2 %
Loss on ignition ..... 38,0-42,0 %
P_2O_5 content calculated on ignited basis ..... 52,5-54,0 %
pH of 1% 9,9-10,7
Fluoride, not more than ..... 10 ppm
Cadmium, not more than ..... 1 ppm
Mercury, not more than ..... 1 ppm
Lead, not more than ..... 4 ppm
Specifications Dir. 2008/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
201710.1214	5 kg P	4
201710.0416	25 kg PP	

Sodium Pyrophosphate di-Basic

(see di-Sodium di-Hydrogen Pyrophosphate)

Sodium Pyrophosphate tetra-Basic

(see tetra-Sodium Pyrophosphate)

Sodium Pyrosulphite

(see Sodium Disulphite)

Sodium Pyruvate PB

$C_3H_3NaO_3$

M: 110,05 CAS: 113-24-6 EINECS: 204-024-4 NC: 2918 30 00

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99,0 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Water (H_2O) ..... 1 %
Heavy metals (as Pb) ..... 0,002 %

Order code	Package	Units/Box st.
372383.1206	25 g P	6
372383.1208	100 g P	6
372383.1209	250 g P	6

Sodium Rhodanide

(see Sodium Thiocyanate)

Sodium Salicylate PA

$C_7H_5NaO_3$

M: 160,11 CAS: 54-21-7 EINECS: 200-198-0 NC: 2918 21 00

HAZARDOUS:

Xn

R: 22 S: 24/25

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) a.d.s. ..... 99,5 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,02 %
Loss on drying at 105°C ..... 0,2 %
Chloride (Cl) ..... 0,002 %
Heavy metals (as Pb) ..... 0,001 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
Mg ..... 0,001 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
121859.1209	250 g P	6
121859.1211	1000 g P	6
121859.0914	5 kg PP	
121859.0416	25 kg	

Sodium Salicylate (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_7H_5NaO_3$

M: 160,11 CAS: 54-21-7 EINECS: 200-198-0 NC: 2918 21 00

HAZARDOUS:

Xn

R: 22 S: 24/25

SPECIFICATIONS:

Assay (Perchl. Ac.) calc. a.d.s 99,5-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Loss on drying at 105°C ..... 0,5 %
Residual solvents (Ph.Eur./USP) ..... p/t
Acidity ..... p/t.
Chloride (Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,06 %
Sulphite and thiosulphate ..... p/t.
Heavy metals (as Pb) ..... 0,002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141859.1209	250 g P	6
141859.1211	1000 g P	6
141859.0914	5 kg PP	

Sodium Salicylate, 99% PS

$C_7H_5NaO_3$

M: 160,11 CAS: 54-21-7 EINECS: 200-198-0 NC: 2918 21 00

HAZARDOUS:

Xn

R: 22 S: 24/25

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
151859.1604	5 g	6
151859.1609	250 g	6
151859.1611	1000 g	6

Sodium Selenite anhydrous PRS

Na_2SeO_3

M: 172,94 CAS: 10102-18-8 EINECS: 233-267-9 NC: 2842 90 10 UN: 2630
IMDG: 6.1/I ADR: 6.1/I IATA: 6.1/I PAX: 606 CAO: 607

HAZARDOUS:

T+ N

R: 23-28-31-43-51/53 S: 28a-36/37-45-61 CE: 034-002-00-8

SPECIFICATIONS:

Assay (Iodom.) ..... 98 %
Insoluble matter in H_2O ..... 0,05 %
Chloride (Cl) ..... 0,05 %
Seleniate and sulphate (as SO_4) ..... 0,2 %
Fe ..... 0,005 %

Order code	Package	Units/Box st.
142756.1208	100 g P	6
142756.1209	250 g P	6
142756.1214	5 kg P	4

Sodium Selenite anhydrous (BP) CODEX

Na_2SeO_3

M: 172,94 CAS: 10102-18-8 EINECS: 233-267-9 NC: 2842 90 10 UN: 2630
IMDG: 6.1/I ADR: 6.1/I IATA: 6.1/I PAX: 606 CAO: 607

HAZARDOUS:

T+ N

R: 23-28-31-43-51/53 S: 28a-36/37-45-61 CE: 034-002-00-8

SPECIFICATIONS:

Assay (as Se) calc. a.d.s. ..... 44,0-46,0 %
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Clarity of solution ..... p/t.
Loss on drying at 105°C ..... 1,0 %
Alkalinity ..... p/t.
Chloride (Cl) ..... 0,1 %
Sulphate (SO_4) ..... 0,2 %
Residual solvents (Ph.Eur.) ..... p/t.

Order code	Package	Units/Box st.
192756.1211	1000 g	6
192756.1214	5 kg	4

Sodium Silicate neutral solution QP

Na_2SiO_3

M: 122,07 CAS: 1344-09-8 EINECS: 215-687-4 NC: 2839 19 00

HAZARDOUS:

Xi

R: 36/37/38 S: 26-36

1l~1,365kg 1kg~0,733l

SPECIFICATIONS:

pH of 5% solution ..... ≤11,5
Density at 20/4 1,350-1,380
Cu ..... 0,005 %
Ni ..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
211714.1211	1000 ml	6
211714.1212	2,5 l	4
211714.1214	5 l	4
211714.0716	25 l	

Sodium Stannate 3-hydrate PRS

$Na_2SnO_3.3H_2O$

M: 266,71 CAS: 12209-98-2 EINECS: 234-724-5 NC: 2841 90 85

HAZARDOUS:

Xi

R: 36 S: 22-26

SPECIFICATIONS:

Assay (Sn) ..... 42 %
Total alkalinity (as NaOH) ..... 29,0-32,5 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
142970.1210	500 g	6
142970.1214	5 kg	4

Sodium Stearate PRS

$C_{18}H_{35}NaO_2$

M: 306,46 CAS: 822-16-2 EINECS: 212-490-5 NC: 2915 70 30

SPECIFICATIONS:

Assay (as Na) ..... 7,4-7,8 %
Loss on drying at 105°C ..... 3 %
Free acidity (as Stearic Acid) ..... 1 %

Order code	Package	Units/Box st.
145522.1211	1000 g	6
145522.0914	5 kg	

Sodium Stearate (E-470a) ADITIO

$C_{18}H_{35}NaO_2$

M: 306,46 CAS: 822-16-2 EINECS: 212-490-5 NC: 2915 70 30

SPECIFICATIONS:

Minimum assay calc. a.a.s. ..... 95 %
Sodium (as Na_2O) ..... 9-14 %
Unsaponifiable matter, not more than ..... 2 %
Free fat acids (as Oleic Ac.), not more than ..... 3 %
Arsenic, not more than ..... 3 ppm
Lead, not more than ..... 5 ppm
Mercury, not more than ..... 1 ppm
Cadmium, not more than ..... 1 ppm
Heavy metals (as Pb), not more than ..... 10 ppm
Free alkali (as NaOH), not more than ..... 0,1 %
Insoluble matter in alcohol, not more than ..... 0,2 %
Specifications Dir. 2008/84/CE

Order code	Package	Units/Box st.
205522.0914	5 kg	
205522.0416	25 kg	

Sodium Succinate 6-hydrate PA

$(CH_2COONa)_2.6H_2O$

M: 270,15 CAS: 6106-21-4 EINECS: 205-778-7 NC: 2917 19 90

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99,0 %
Identity ..... IR p/t.
pH of 5% solution 8,2-9,2

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 120°C ..... 39-41 %
Chloride (Cl) ..... 0,001 %
Phosphate (PO_4) ..... 0,001 %
Sulphate (SO_4) ..... 0,005 %
Ammonium (NH_4) ..... 0,001 %
As ..... 0,0001 %
Ca ..... 0,005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,05 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0002 %

Order code	Package	Units/Box st.
122052.1210	500 g	6
122052.1211	1000 g	6
122052.0914	5 kg	

Sodium Succinate anhydrous PRS

$C_4H_4Na_2O_4$

M: 162,06 CAS: 150-90-3 EINECS: 205-778-7 NC: 2917 19 90

SPECIFICATIONS:

Assay (Perchl. Ac.) ..... 99 %
Identity ..... IR p/t.
Insoluble matter in H_2O ..... 0,01 %
Loss on drying at 120°C ..... 0,3 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
143578.1210	500 g	6
143578.1214	5 kg	4

Sodium Sulphate anhydrous, granulated (PAR) PAI

Na_2SO_4

M: 142,04 CAS: 7757-82-6 EINECS: 231-820-9 NC: 2833 11 00

SPECIFICATIONS:

Minimum assay ..... 99,5 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on ignition at 800°C ..... 0,2 %
Signal ECD of pesticide (Lindane to DDT) (as Lindane) ..... 5 ng/l
Signal PND of pesticide (Ethylparathion to Coumaphos)
(as Ethylparathion) ..... 5 ng/l
Granular size:
Less than 0,25 mm ..... 20 %

Order code	Package	Units/Box st.
325708.1611	1000 g	6

Sodium Sulphate anhydrous, powder (PAR) PAI

Na_2SO_4

M: 142,04 CAS: 7757-82-6 EINECS: 231-820-9 NC: 2833 11 00

SPECIFICATIONS:

Minimum assay ..... 99,5 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on ignition at 800°C ..... 0,2 %
Signal ECD of pesticide (Lindane to DDT) (as Lindane) ..... 5 ng/l
Signal PND of pesticide (Ethylparathion to Coumaphos)
(as Ethylparathion) ..... 5 ng/l
Granular size:
More than 0,75 mm ..... 5 %

Order code	Package	Units/Box st.
325709.1611	1000 g	6
325709.1612	2,5 kg	6

Sodium Sulphate anhydrous (Reag. USP) PA-ACS-ISO

Na_2SO_4

M: 142,04 CAS: 7757-82-6 EINECS: 231-820-9 NC: 2833 11 00

SPECIFICATIONS:

Minimum assay ..... 99,0 %
pH of 5% solution 5,2-8

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on ignition at 800°C ..... 0,5 %
Chloride (Cl) ..... 0,001 %
Nitrogen compounds (as N) ..... 0,0005 %
Phosphate (PO_4) ..... 0,001 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0001 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Cr	10	Pb	5
Al	5	Cu	5	Pt	5
Au	5	Fe	5	Sb	5
B	5	Ga	5	Se	5
Ba	5	In	5	Si	5
Be	5	K	20	Sr	5
Bi	5	Mg	50	Ti	5
Ca	100	Mn	5	V	5
Cd	5	Mo	5	Zr	5
Co	5	Ni	5		

Order code	Package	Units/Box st.
131716.1210	500 g P	6
131716.1211	1000 g P	6
131716.1214	5 kg P	4
131716.0416	25 kg PP	

Sodium Sulphate anhydrous (RFE, USP, BP, Ph. Eur.) PRS-CODEX

Na_2SO_4

M: 142,04 CAS: 7757-82-6 EINECS: 231-820-9 NC: 2833 11 00

SPECIFICATIONS:

Assay (calc. a.d.s.) 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Loss on drying ..... 0,5 %
Residual solvents (Ph.Eur./USP) ..... p/t
Acidity or alkalinity ..... p/t.
Chloride (Cl) ..... 0,01 %
Nitrogen compounds (as N) ..... 0,005 %
Phosphate (PO_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0002 %
Ca ..... 0,02 %
Fe ..... 0,002 %
Mg ..... 0,01 %

Complies USP 29 specifications

Order code	Package	Units/Box st.
141716.1210	500 g P	6
141716.1211	1000 g P	6
141716.1214	5 kg P	4
141716.0416	25 kg PP	

Sodium Sulphate anhydrous (E-514i, F.C.C.) ADITIO

Na_2SO_4

M: 142,04 CAS: 7757-82-6 EINECS: 231-820-9 NC: 2833 11 00

SPECIFICATIONS:

Assay (Na_2SO_4) after drying 99,0-100,5%
Loss on drying, not more than ..... 1,0 %
Selenium, not more than ..... 0,003 %
Arsenic, not more than ..... 3 ppm
Mercury, not more than ..... 1 ppm
Lead, not more than ..... 2 ppm
Specifications Dir. 2008/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
201716.1214	5 kg P	4
201716.0416	25 kg PP	

Sodium Sulphate anhydrous, 99% PS

Na_2SO_4

M: 142,04 CAS: 7757-82-6 EINECS: 231-820-9 NC: 2833 11 00

SPECIFICATIONS:

Assay (calc. a.d.s.) ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
151716.1210	500 g P	6
151716.0914	5 kg P	4

Sodium Sulphate 10-hydrate (Reag. USP) PA-ACS

$Na_2SO_4.10H_2O$

M: 322,19 CAS: 7727-73-3 EINECS: 231-820-9 NC: 2833 11 00

SPECIFICATIONS:

Minimum assay ..... 99,0 %
pH of 5% solution 5,2-8,2

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,0005 %
Nitrogen compounds (as N) ..... 0,0003 %
Phosphate (PO_4) ..... 0,0005 %
Heavy metals (as Pb) ..... 0,0003 %
As ..... 0,0001 %

Metals by ICP [mg/Kg (ppm)]

Ag	5	Cr	5	Mo	5
Al	5	Cu	5	Ni	5
Ba	5	Fe	5	Pb	3
Bi	5	K	20	Sr	5
Ca	20	Li	20	Tl	5
Cd	5	Mg	10	Zn	5
Co	5	Mn	5		

Order code	Package	Units/Box st.
131715.1210	500 g P	6
131715.1211	1000 g P	6
131715.1214	5 kg P	4
131715.0416	25 kg PP	

Sodium Sulphate 10-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$Na_2SO_4.10H_2O$

M: 322,19 CAS: 7727-73-3 EINECS: 231-820-9 NC: 2833 11 00

SPECIFICATIONS:

Assay (calc. a.a.s.) 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 5,2-9,2

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Loss on drying at 130°C ..... 52,0-57,0 %
Residual solvents (Ph.Eur./USP) ..... p/t
Acidity or Alkalinity ..... p/t.
Chloride (Cl) ..... 0,01 %
Nitrogen compounds (as N) ..... 0,003 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0002 %
Ca ..... 0,01 %
Fe ..... 0,002 %
Mg ..... 0,01 %

Complies USP 29 specifications

Order code	Package	Units/Box st.
141715.1210	500 g P	6
141715.1211	1000 g P	6
141715.1214	5 kg P	4
141715.0416	25 kg PP	

Sodium Sulphate 10-hydrate (E-514i, F.C.C.) ADITIO

$Na_2SO_4.10H_2O$

M: 322,19 CAS: 7727-73-3 EINECS: 231-820-9 NC: 2833 11 00

SPECIFICATIONS:

Assay (Na_2SO_4) after drying 99,0-100,5%
Loss on drying ..... 51,0-57,0 %
Selenium, not more than ..... 0,003 %
Arsenic, not more than ..... 3 ppm
Mercury, not more than ..... 1 ppm
Lead, not more than ..... 2 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201715.1214	5 kg P	4
201715.0416	25 kg PP	

Sodium Sulphide x-hydrate QP

$Na_2S.xH_2O$

M: 78,04(anh.) CAS: 1313-84-4 EINECS: 215-211-5 NC: 2830 10 00 UN: 1849

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816

HAZARDOUS:

C N **R: 31-34-50 S: 26-45-61 CE: 016-009-00-8**

SPECIFICATIONS:

Assay (as Na_2S) (Iodom.) ..... 30 %
Nitrogen compounds (as N) ..... 0,01 %

Order code	Package	Units/Box st.
211682.1610	500 g	6
211682.1214	5 kg P	4

Sodium Sulphite anhydrous PA-ACS

Na_2SO_3

M: 126,04 CAS: 7757-83-7 EINECS: 231-821-4 NC: 2832 10 00

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 98,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Acidity ..... p/t.
Alkalinity ..... 0,03 meq/g
Chloride (Cl) ..... 0,01 %
Thiosulphate ..... p/t.
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Ca ..... 0,013 %
Cu ..... 0,001 %
Fe ..... 0,001 %
K ..... 0,05 %
Mg ..... 0,013 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
131717.1210	500 g P	6
131717.1211	1000 g P	6
131717.1214	5 kg P	4
131717.0416	25 kg PP	

Sodium Sulphite anhydrous PRS

Na_2SO_3

M: 126,04 CAS: 7757-83-7 EINECS: 231-821-4 NC: 2832 10 00

SPECIFICATIONS:

Assay (Iodom.) ..... 95 %
Insoluble matter in H_2O ..... 0,025 %
Alkalinity ..... 0,05 meq/g
Chloride (Cl) ..... 0,05 %
As ..... 0,0001 %
Ca ..... 0,05 %
Cu ..... 0,003 %
Fe ..... 0,003 %
Mg ..... 0,05 %
Ni ..... 0,003 %
Pb ..... 0,003 %

Order code	Package	Units/Box st.
141717.1210	500 g P	6
141717.1211	1000 g P	6
141717.1214	5 kg P	4
141717.0416	25 kg PP	

Sodium Sulphite anhydrous (RFE, BP, Ph. Eur.) CODEX

Na_2SO_3

M: 126,04 CAS: 7757-83-7 EINECS: 231-821-4 NC: 2832 10 00

SPECIFICATIONS:

Assay (Iodom.) 95,0-100,5%
Identity according to Pharmacopoieas ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t.
Thiosulphate ..... 0,1 %
Heavy metals (as Pb) ..... 0,001 %
Fe ..... 0,001 %
Se ..... 0,001 %
Zn ..... 0,0025 %

Order code	Package	Units/Box st.
191717.1211	1000 g P	6
191717.1214	5 kg P	4
191717.0416	25 kg PP	

VINIKIT
Análisis de vinos
Wine analysis
Analyse des vins

Sodium Sulphite anhydrous (E-221, F.C.C.) ADITIO

for treatment of water intended for human consumption

Na_2SO_3

M: 126,04 CAS: 7757-83-7 EINECS: 231-821-4 NC: 2832 10 00

SPECIFICATIONS:

Assay (as Na_2SO_3), not less than ..... 95,0 %
Assay (as SO_2), not less than ..... 48,0 %
Appearance ..... p/t.
Apparent density ..... 1,2-1,5 g/ml
pH of saturated solution 9,7-10,2
pH of 10% solution 8,5-11,5
Sodium Sulphate, not more than ..... 5 %
Arsenic (as As), not more than ..... 1 ppm
Iron, not more than ..... 25 ppm
Lead, not more than ..... 2 ppm
Selenium, not more than ..... 1 ppm
Heavy metals (as Pb), not more than ..... 10 ppm
Thiosulphate, not more than ..... 0,05 %
Mercury (Hg), not more than ..... 0,5 ppm
Antimony, not more than ..... 2 ppm
Cadmium, not more than ..... 1 ppm
Chromium, not more than ..... 1 ppm
Nickel, not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6, UNE-EN 12124

Order code	Package	Units/Box st.
201717.1214	5 kg P	4
201717.0416	25 kg PP	

Sodium Sulphocyanide

(see Sodium Thiocyanate)

Sodium Sulphoxylate

(see Sodium Dithionite)

Sodium Tartrate anhydrous PA

$Na_2(COO)_2(CHOH)_2$

M: 194,06 EINECS: 212-773-3 NC: 2918 13 00

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99,0 %
pH of 5% solution 7,0-9,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 150°C ..... 0,5 %
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
Ammonium (NH_4) ..... 0,003 %
As ..... 0,00005 %
Ca ..... 0,005 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
K ..... 0,002 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
121720.1210	500 g P	6
121720.1211	1000 g P	6
121720.0914	5 kg PP	

Sodium Tartrate 2-hydrate EQP-ACS

Primary Chemical Matter

$Na_2(COO)_2(CHOH)_2.2H_2O$

M: 230,08 CAS: 6106-24-7 EINECS: 212-773-3 NC: 2918 13 00

SPECIFICATIONS:

Assay (Perchl. Ac.) 99,0-101,0%
pH of 5% solution 7,0-9,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 150°C ..... 15,66 ±0,05 %
Chloride (Cl) ..... 0,0005 %
Phosphate (PO_4) ..... 0,0005 %
Sulphate (SO_4) ..... 0,002 %
Ammonium (NH_4) ..... 0,003 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00005 %
Ca ..... 0,005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,002 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
241719.1521	10 x 1,5 g	6
241719.1608	100 g	6

Sodium Tartrate 2-hydrate (Reag. Ph. Eur.) PA

$Na_2(COO)_2(CHOH)_2.2H_2O$

M: 230,08 CAS: 6106-24-7 EINECS: 212-773-3 NC: 2918 13 00

SPECIFICATIONS:

Assay (Perchl. Ac.) 99,0-101,0%
pH of 5% solution 7,0-9,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,0005 %
Phosphate (PO_4) ..... 0,0005 %
Sulphate (SO_4) ..... 0,002 %
Ammonium (NH_4) ..... 0,003 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00005 %
Ca ..... 0,005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,002 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
121719.1210	500 g P	6
121719.1211	1000 g P	6
121719.0914	5 kg PP	
121719.0416	25 kg PP	

Sodium Tartrate 2-hydrate PRS

$Na_2(COO)_2(CHOH)_2.2H_2O$

M: 230,08 CAS: 6106-24-7 EINECS: 212-773-3 NC: 2918 13 00

SPECIFICATIONS:

Assay (Perchl. Ac.) ..... 99,0 %
pH of 5% solution 7-9
Insoluble matter in H_2O ..... 0,025 %
Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
Ammonium (NH_4) ..... 0,005 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0001 %
Ca ..... 0,01 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141719.1210	500 g P	6
141719.1211	1000 g P	6
141719.0914	5 kg PP	
141719.0416	25 kg PP	

Sodium Tartrate 2-hydrate (E-335ii, F.C.C.) ADITIO

$Na_2(COO)_2(CHOH)_2.2H_2O$

M: 230,08 CAS: 6106-24-7 EINECS: 212-773-3 NC: 2918 13 00

SPECIFICATIONS:

Assay ($C_4H_4Na_2O_6$) after drying 99,0-100,5%
pH of 1% solution 7,0-7,5
Arsenic (as As), not more than ..... 3 ppm
Lead, not more than ..... 2 ppm
Heavy metals (as Pb), not more than ..... 10 ppm
Oxalate (as oxalic acid) a.a.s., not more than ..... 0,01 %
Loss on drying ..... 14,0-17,0 %
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201719.0914	5 kg PP	
201719.0416	25 kg PP	

di-Sodium Tetraborate

(see di-Sodium tetra-Borate)

Sodium Tetrahydroborane

(see Sodium Borohydride)

Sodium Tetraphenylborate

(see Sodium tetra-Phenylborate)

Sodium Thiocyanate PA-ACS

NaSCN

M: 81,07 CAS: 540-72-7 EINECS: 208-754-4 NC: 2842 90 80

HAZARDOUS:

Xn **R: 20/21/22-32 S: 13 CE: 615-004-00-3**

SPECIFICATIONS:

Minimum assay (Arg) ..... 98,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Carbonate (as Na_2CO_3) ..... 0,2 %
Iodine-reducing substances (as I) ..... 0,05 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Sulphide (S) ..... 0,001 %
Ammonium (NH_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0002 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
131718.1210	500 g P	6
131718.1211	1000 g P	6
131718.0914	5 kg PP	
131718.0416	25 kg PP	

Sodium Thiocyanate PRS

NaSCN

M: 81,07 CAS: 540-72-7 EINECS: 208-754-4 NC: 2842 90 80

HAZARDOUS:

Xn **R: 20/21/22-32 S: 13 CE: 615-004-00-3**

SPECIFICATIONS:

Assay (Arg.) ..... 98 %
Insoluble matter in H_2O ..... 0,01 %
Chloride (Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,03 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141718.1210	500 g P	6
141718.1211	1000 g P	6
141718.0914	5 kg PP	
141718.0416	25 kg PP	

Sodium Thiocyanate 0,1 mol/l (0,1N) SV

Indicator: Alum Iron Ammonium
NaSCN

M: 81,07 CAS: 540-72-7 EINECS: 208-754-4 NC: 2842 90 80

HAZARDOUS:

R: 32

1l~1,002kg 1kg~0,998l

SPECIFICATIONS:

Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
182292.1211	1000 ml P	6

Sodium Thiosulphate anhydrous PA

$Na_2S_2O_3$

M: 158,13 CAS: 7772-98-7 EINECS: 231-867-5 NC: 2842 90 80

SPECIFICATIONS:

Minimum assay (Iodom.) ..... 99,0 %
pH of 5% solution 6,0-8,4

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Loss on drying at 105°C ..... 1 %
Chloride (Cl) ..... 0,05 %
Sulphate and Sulphite (as SO_4) ..... 0,5 %
Sulphide (S) ..... 0,0005 %
Ca ..... 0,004 %
Cd ..... 0,001 %
Co ..... 0,001 %
Cu ..... 0,001 %
Fe ..... 0,001 %
K ..... 0,01 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Zn ..... 0,001 %

Order code	Package	Units/Box st.
121879.1209	250 g P	6
121879.1211	1000 g P	6
121879.0914	5 kg PP	

Sodium Thiosulphate 5-hydrate PA-ACS

$Na_2S_2O_3.5H_2O$

M: 248,18 CAS: 10102-17-7 EINECS: 231-867-5 NC: 2832 30 00

SPECIFICATIONS:

Assay (Iodom.) 99,5-101,0%
pH of 5% solution 6,0-8,4

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Nitrogen compounds (as N) ..... 0,002 %
Chloride (Cl) ..... 0,02 %
Sulphate and Sulphite (as SO_4) ..... 0,1 %
Sulphide (S) ..... 0,0001 %
Heavy metals (as Pb) ..... 0,0005 %
Ca ..... 0,002 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,001 %
Mn ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131721.1210	500 g	6
131721.1211	1000 g	6
131721.1214	5 kg	4
131721.0416	25 kg	

Sodium Thiosulphate 5-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$Na_2S_2O_3.5H_2O$

M: 248,18 CAS: 10102-17-7 EINECS: 231-867-5 NC: 2832 30 00

SPECIFICATIONS:

Assay (Iodom.) 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
pH of 10% solution 6,0-8,4

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Loss on drying ..... 32,0-37,0 %
Residual solvents (Ph.Eur./USP) ..... p/t
Nitrogen compounds (as N) ..... 0,01 %
Chloride (Cl) ..... 0,02 %
Sulphate and Sulphite (as SO_4) ..... 0,2 %
Sulphide (S) ..... p/t.
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0003 %
Ca ..... p/t.
Cu ..... 0,001 %
Fe ..... 0,001 %
Mg ..... 0,01 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Complies USP 29 specifications

Order code	Package	Units/Box st.
141721.1210	500 g	6
141721.1211	1000 g	6
141721.1214	5 kg	4
141721.0416	25 kg	

Sodium Thiosulphate 5-hydrate (F.C.C.) ADITIO

$Na_2S_2O_3.5H_2O$

M: 248,18 CAS: 10102-17-7 EINECS: 231-867-5 NC: 2832 30 00

SPECIFICATIONS:

Assay (as $Na_2O_3S_2$) after drying 99,0-100,5%
Lead, not more than ..... 2 ppm
Selenium, not more than ..... 0,003 %
Water ..... 32,0-37,0 %
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201721.1214	5 kg	4
201721.0416	25 kg	

SODIUM THIOSULPHATE VOLUMETRIC SOLUTIONS

Sodium Thiosulphate 0,01 mol/l (0,01N) SV

Indicator: Starch.
$Na_2S_2O_3$

M: 158,10 CAS: 7772-98-7 EINECS: 231-867-5 NC: 2832 30 00

1l~1,002kg 1kg~0,998l

SPECIFICATIONS:

Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
182577.1211	1000 ml	6

Sodium Thiosulphate 0,0394 mol/l (0,0394N) ASTM D 1510 SV

$Na_2S_2O_3$

M: 158,10 CAS: 7772-98-7 EINECS: 231-867-5 NC: 2832 30 00

1l~1,002kg 1kg~0,998l

SPECIFICATIONS:

Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
182914.1214	5 l	4

Sodium Thiosulphate 0,05 mol/l (0,05N) SV

Indicator: Starch
$Na_2S_2O_3$

M: 158,10 CAS: 7772-98-7 EINECS: 231-867-5 NC: 2832 30 00

1l~1,007kg 1kg~0,993l

SPECIFICATIONS:

Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
182160.1211	1000 ml	6

Sodium Thiosulphate 0,1 mol/l (0,1N) SV

Indicator: Starch
$Na_2S_2O_3$

M: 158,10 CAS: 7772-98-7 EINECS: 231-867-5 NC: 2832 30 00

1l~1,012kg 1kg~0,988l

SPECIFICATIONS:

Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
181723.1211	1000 ml	6
181723.1212	2,5 l	4
181723.1315	10 l	(*)

Sodium Thiosulphate 0,1 mol (24,818g $Na_2S_2O_3.5H_2O$) to prepare 1l of 0,1N solution SVc

$Na_2S_2O_3.5H_2O$

M: 248,18 CAS: 10102-17-7 EINECS: 231-867-5 NC: 2832 30 00

SPECIFICATIONS:

Titer ..... 1,000 ±0,002

Order code	Package	Units/Box st.
303127.1920	1 ampoule	6

Sodium Thiosulphate 0,2 mol/l (0,2N) SV

Indicator: Starch
$Na_2S_2O_3$

M: 158,10 CAS: 7772-98-7 EINECS: 231-867-5 NC: 2832 30 00

SPECIFICATIONS:

1l~1,02kg 1kg~0,98l

Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
183489.1212	2,5 l	4

Sodium Thiosulphate 1 mol/l (1N) SV

Indicator: Starch
$Na_2S_2O_3$

M: 158,10 CAS: 7772-98-7 EINECS: 231-867-5 NC: 2832 30 00

1l~1,121kg 1kg~0,892l

SPECIFICATIONS:

Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
181722.1211	1000 ml	6

Sodium Thiosulphate 0,0551 mol/l (0,0551N) VINIKIT

for determination of reducing sugars in wine, according to Rebelein method.
Indicator: Starch (see also Rebelein's Kit)
$Na_2S_2O_3$

M: 158,10 CAS: 7772-98-7 EINECS: 231-867-5 NC: 2832 30 00

1l~1,016kg 1kg~0,984l

SPECIFICATIONS:

Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
624576.1211	1000 ml	6

Sodium Tosylchloramide

(see Chloramine T 3-hydrate)

(*) Sol-Pack pack with tap

Sodium Tungstate 2-hydrate (Reag. Ph. Eur.) PA-ACS

$Na_2WO_4.2H_2O$

M: 329,86 CAS: 10213-10-2 EINECS: 236-743-4 NC: 2841 80 00

HAZARDOUS:

Xn

R: 22

SPECIFICATIONS:

Assay (Compl.) 99,0-101,0%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O .... 0,01 %
Alkalinity .... 0,02 meq/g
Nitrogen compounds (as N) .... 0,001 %
Chloride (Cl) .... 0,005 %
Sulphate (SO_4) .... 0,01 %
Heavy metals (as Pb) .... 0,001 %
As .... 0,0005 %
Fe .... 0,001 %
Mo .... 0,001 %
Pb .... 0,001 %

Order code	Package	Units/Box st.
131724.1208	100 g P	6
131724.1209	250 g P	6
131724.1211	1000 g P	6
131724.1214	5 kg P	4

Sodium Tungstate 2-hydrate PRS

$Na_2WO_4.2H_2O$

M: 329,86 CAS: 10213-10-2 EINECS: 236-743-4 NC: 2841 80 00

HAZARDOUS:

Xn

R: 22

SPECIFICATIONS:

Assay (Compl.) .... 98,0 %
Insoluble matter in H_2O .... 0,02 %
Alkalinity .... 0,05 meq/g
Chloride (Cl) .... 0,02 %
Ammonium (NH_4) .... 0,005 %
Sulphate (SO_4) .... 0,05 %
As .... 0,0005 %
Fe .... 0,002 %
Pb .... 0,002 %

Order code	Package	Units/Box st.
141724.1208	100 g P	6
141724.1209	250 g P	6
141724.1211	1000 g P	6
141724.1214	5 kg P	4

Sodium Wolframate

(see Sodium Tungstate 2-hydrate)

Solvent Black 3

(see Sudan Black B)

Solvent Red 23

(see Sudan III)

Solvent Red 24

(see Sudan IV)

Solvent Yellow 2

(see 4-(Dimethylamino) Azobenzene)

Solvent Yellow 94

(see Fluorescein)

VINIKIT
Análisis de vinos
Wine analysis
Analyse des vins

Sorbic Acid (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

$C_6H_8O_2$

M: 112,13 CAS: 110-44-1 EINECS: 203-768-7 NC: 2916 19 30

HAZARDOUS:

Xi

R: 36/37 S: 22-24/25

SPECIFICATIONS:

Assay ($C_6H_8O_2$) calc. a.d.s. 99,0-101,0%
Identity according to Pharmacopoeias .... p/t.
Melting range .... 132-135°C

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution .... p/t.
Insoluble matter in CH_3CH_2OH .... p/t.
Residue on ignition (as SO_4) .... 0,2 %
Aldehydes (as C_2H_4O) .... 0,15 %
Residual solvents (Ph.Eur./USP) .... p/t.
Sulphate (SO_4) .... 0,005 %
Water (H_2O) .... 0,5 %
Heavy metals (as Pb) .... 0,001 %
As .... 0,0003 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141055.1209	250 g P	6
141055.1210	500 g P	6
141055.0914	5 kg PP	
141055.0416	25 kg PP	

Sorbic Acid (E-200, F.C.C.) ADITIO

$C_6H_8O_2$

M: 112,13 CAS: 110-44-1 EINECS: 203-768-7 NC: 2916 19 30

HAZARDOUS:

Xi

R: 36/37 S: 22-24/25

SPECIFICATIONS:

Assay ($C_6H_8O_2$) calculated on the anhy. basis 99,0-101,0%
Arsenic (as As), not more than .... 3 ppm
Melting range .... 133-135°C
Residue on ignition, not more than .... 0,2 %
Water, not more than .... 0,5 %
Aldehydes (as formaldehyde), not more than .... 0,1 %
Heavy metals (as Pb), not more than .... 10 ppm
Lead, not more than .... 2 ppm
Mercury (Hg), not more than .... 1 ppm
Specifications Dir. 2008/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
201055.0914	5 kg PP	

Sorbitan Laurate

(see Sorbitan Monolaurate)

Sorbitan Monododecanoate

(see Sorbitan Monolaurate)

Sorbitan Monohexadecanoate

(see Sorbitan Monopalmitate)

Sorbitan Monolaurate (USP, BP, Ph. Eur.) PRS-CODEX

$C_{18}H_{34}O_6$

M: 346,52 CAS: 1338-39-2 EINECS: 215-663-3 NC: 2932 19 00

1l~1,00kg 1kg~1,00l

SPECIFICATIONS:

Assay (as fatty acids) ....55,0-63,0 %
Assay (as polyols) ....39,0-45,0 %
Identity according to Pharmacopoeias .... p/t.
Hydroxyl value 330-358
Saponification value 158-170

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition .... 0,5 %
Composition of fatty acids .... p/t.
Acidity value 7,0
Peroxide value 5,0
Iodine value 10
Residual solvents (Ph.Eur./USP) .... p/t.
Water (H_2O) .... 1,5 %
Heavy metals (as Pb) .... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
146101.1611	1000 ml	6
146101.1214	5 l P	4
146101.0716	25 l P	

Sorbitan Monolaurate PS

$C_{18}H_{34}O_6$

M: 346,52 CAS: 1338-39-2 EINECS: 215-663-3 NC: 2932 19 00

1l~1,00kg 1kg~1,00l

SPECIFICATIONS:

Identity....IR p/t.
Hydroxyl value.... 330-358
Saponification value.... 158-170

Order code	Package	Units/Box st.
156101.1608	100 ml	6
156101.1610	500 ml	6

(Z)-Sorbitan Mono-9-Octadecenoate

(see Sorbitan Monooleate)

Sorbitan Monooleate (USP, BP, Ph. Eur.) PRS-CODEX

$C_{24}H_{44}O_6$

M: 428,68 CAS: 1338-43-8 EINECS: 215-665-4 NC: 2932 19 00

1l~1,00kg 1kg~1,00l

SPECIFICATIONS:

Assay (as fatty acids)....72,0-78,0 %
Assay (as polyols)....25,0-31,0 %
Identity according to Pharmacopoeias .... p/t.
Hydroxyl value.... 190-210
Saponification value.... 145-160
Iodine value.... 62-76

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition....0,5 %
Composition of fatty acids .... p/t.
Acidity value....8,0
Peroxide value....10,0
Residual solvents (Ph.Eur./USP).... p/t.
Water (H_2O)....1,0 %
Heavy metals (as Pb)....0,001 %
Vegetable origin.
Non-added antioxidants.
Complies USP 29 specifications

Order code	Package	Units/Box st.
146094.1611	1000 ml	6
146094.1214	5 l	4
146094.0716	25 l	

Sorbitan Monooleate PS

$C_{24}H_{44}O_6$

M: 428,68 CAS: 1338-43-8 EINECS: 215-665-4 NC: 2932 19 00

1l~1,00kg 1kg~1,00l

SPECIFICATIONS:

Identity....IR p/t.
Hydroxyl value.... 190-210
Saponification value.... 145-160

Order code	Package	Units/Box st.
156094.1608	100 ml	6
156094.1610	500 ml	6

Sorbitan Monopalmitate (USP, BP, Ph. Eur.) PRS-CODEX

$C_{22}H_{42}O_6$

M: 402,64 CAS: 26266-57-9 EINECS: 247-568-8 NC: 2932 19 00

SPECIFICATIONS:

Assay (as fatty acids)....63,0-71,0 %
Assay (as polyols)....32,0-38,0 %
Identity according to Pharmacopoeias .... p/t.
Hydroxyl value.... 275-305
Saponification value.... 140-150

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition....0,5 %
Composition of fatty acids .... p/t.
Acidity value....8,0
Peroxide value....5,0
Residual solvents (Ph.Eur./USP).... p/t.
Water (H_2O)....1,5 %
Heavy metals (as Pb)....0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
146092.1211	1000 g	6
146092.0914	5 kg	
146092.0416	25 kg	

Sorbitan Monopalmitate PS

$C_{22}H_{42}O_6$

M: 402,64 CAS: 26266-57-9 EINECS: 247-568-8 NC: 2932 19 00

SPECIFICATIONS:

Identity....IR p/t.
Hydroxyl value.... 275-305
Saponification value.... 140-150

Order code	Package	Units/Box st.
156092.1208	100 g	6
156092.1210	500 g	6

Sorbitan Monostearate (USP, BP, Ph. Eur.) PRS-CODEX

$C_{24}H_{46}O_6$

M: 430,70 CAS: 1338-41-6 EINECS: 215-664-9 NC: 2932 19 00

SPECIFICATIONS:

Assay (as fatty acids)....68,0-76,0 %
Assay (as polyols)....27,0-34,0 %
Identity according to Pharmacopoeias .... p/t.
Hydroxyl value.... 235-260
Saponification value.... 147-157

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition....0,5 %
Composition of fatty acids .... p/t.
Acidity value....10,0
Peroxide value....5,0
Residual solvents (Ph.Eur./USP).... p/t.
Water (H_2O)....1,5 %
Heavy metals (as Pb)....0,001 %
Type I according to Ph. Eur.
Complies USP 29 specifications

Order code	Package	Units/Box st.
146102.1211	1000 g	6
146102.0914	5 kg	
146102.0416	25 kg	

Sorbitan Monostearate PS

$C_{24}H_{46}O_6$

M: 430,70 CAS: 1338-41-6 EINECS: 215-664-9 NC: 2932 19 00

SPECIFICATIONS:

Identity....IR p/t.
Hydroxyl value.... 235-260
Saponification value.... 147-157

Order code	Package	Units/Box st.
156102.1208	100 g	6
156102.1210	500 g	6

Sorbitan Oleate

(see Sorbitan Monooleate)

Sorbitan Palmitate

(see Sorbitan Monopalmitate)

Sorbitan Sesquioleate (USP, BP, Ph. Eur.) PRS-CODEX

$C_{66}H_{108}O_{13}$

M: 1109,56 CAS: 8007-43-0 EINECS: 232-360-1 NC: 2932 19 00

1l~1,00kg 1kg~1,00l

SPECIFICATIONS:

Assay (as fatty acids)....74,0-80,0 %
Assay (as polyols)....22,0-28,0 %
Identity according to Pharmacopoeias .... p/t.
Hydroxyl value.... 182-215
Saponification value.... 145-165
Iodine value.... 70-75

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition....0,5 %
Residual solvents (Ph.Eur./USP).... p/t.
Composition of fatty acids .... p/t.
Acid value....14
Peroxide value....10,0
Water (H_2O)....1,0 %
Heavy metals (as Pb)....0,001 %
Vegetable origin.
Non-added antioxidants.
Complies USP 29 specifications

Order code	Package	Units/Box st.
146156.1611	1000 ml	6
146156.1214	5 l	4
146156.0716	25 l	

Sorbitan Sesquioleate PS

$C_{66}H_{108}O_{13}$

M: 1109,56 CAS: 8007-43-0 EINECS: 232-360-1 NC: 2932 19 00

1l~1,00kg 1kg~1,00l

SPECIFICATIONS:

Identity....IR p/t.
Hydroxyl value.... 182-220
Saponification value.... 143-165

Order code	Package	Units/Box st.
156156.1608	100 ml	6
156156.1610	500 ml	6

Sorbitan Stearate

(see Sorbitan Monostearate)

(Z,Z,Z)-Sorbitan Tri-9-Octadecenoate

(see Sorbitan Trioleate)

Sorbitan Trioleate (USP, BP, Ph. Eur.) PRS-CODEX

$C_{60}H_{108}O_8$

M: 957,51 CAS: 26266-58-0 EINECS: 247-569-3 NC: 2932 19 00

1l~0,98kg 1kg~1,02l

SPECIFICATIONS:

Assay (as fatty acids)....85,5-90,0 %
Assay (as polyols)....13,0-19,0 %
Identity according to Pharmacopoeias .... p/t.
Hydroxyl value.... 55-75
Saponification value.... 170-183
Iodine value 77-85

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition....0,25 %
Residual solvents (Ph.Eur./USP).... p/t.
Composition of fatty acids .... p/t.
Acid value....16,0
Peroxide value....10,0
Water (H_2O)....0,7 %
Heavy metals (as Pb)....0,001 %
Vegetable origin.
Non-added antioxidants.
Complies USP 29 specifications

Order code	Package	Units/Box st.
146157.1611	1000 ml	6
146157.1214	5 l	4
146157.0716	25 l	

Sorbitan Trioleate PS

$C_{60}H_{108}O_8$

M: 957,51 CAS: 26266-58-0 EINECS: 247-569-3 NC: 2932 19 00

1l~0,98kg 1kg~1,02l

SPECIFICATIONS:

Identity....IR p/t.
Hydroxyl value.... 55-75
Saponification value.... 172-183

Order code	Package	Units/Box st.
156157.1608	100 ml	6
156157.1610	500 ml	6

Sorbitan Tristearate PS

$C_{60}H_{114}O_8$

M: 963,56 CAS: 26658-19-5 EINECS: 247-891-4 NC: 2932 19 00

SPECIFICATIONS:

Identity....IR p/t.
Hydroxyl value.... 66-80
Saponification value.... 176-188

Order code	Package	Units/Box st.
156093.1208	100 g	6
156093.1210	500 g	6

D(-)-Sorbite PB

$C_6H_{14}O_6$

M: 182,17 CAS: 50-70-4 EINECS: 200-061-5 NC: 2905 44 91

SPECIFICATIONS:

Minimum assay (G.C.) ....98,0 %
Identity....IR p/t.
Specific rotation $[\alpha]^{20}$/D c=10
(in $B_4O_7Na_2.10H_2O$ 12,8%) ....+4 to +7°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O....0,005 %
Residue on ignition (as SO_4) ....0,05 %
D(-)-Mannitol (G.C.) ....1 %
Water (H_2O)....1 %
ABS at λ260 nm 1 mol/l sol. in H_2O....0,05
ABS at λ280 nm 1 mol/l sol. in H_2O....0,05
Chloride (Cl)....0,002 %
Sulphate (SO_4) ....0,005 %
Ca....0,005 %
Cd....0,0005 %
Co....0,0005 %
Cr....0,0005 %
Cu....0,0005 %
Fe....0,0005 %
Mg ....0,005 %
Mn ....0,0005 %
Ni ....0,0005 %
Pb ....0,0005 %
Zn ....0,0005 %

Order code	Package	Units/Box st.
373064.1208	100 g	6

D(-)-Sorbite (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

$C_6H_{14}O_6$

M: 182,17 CAS: 50-70-4 EINECS: 200-061-5 NC: 2905 44 91

SPECIFICATIONS:

Assay....98,0-100,5%
Identity according to Phamacopoeias.... p/t.
Specific rotation $[\alpha]^{20}$/D c=10 (in $B_4O_7Na_2.10H_2O$ 12,8%) .....+4,0 to +7,0°
pH of 10% w/w solution.... 3,5-7,0

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution .... p/t.
Conductivity of 20% sol. at 20°C....20 $\mu S.cm^{-1}$
Residue on ignition (as SO_4) ....0,1 %
Residual solvents (Ph.Eur./USP).... p/t.
Acidity or alkalinity.... p/t.
Reducing sugars (as $C_6H_{12}O_6$) ....0,2 %
Total sugars ....1 %
Water (H_2O) ....1,0 %
Related substances:
Individual peak ....2 %
Total....3 %
Chloride (Cl)....0,0050 %
Sulphate (SO_4) ....0,010 %
Heavy metals (as Pb)....0,001 %
Microbiological limits:
Total aerobic microbial count (TAMC).... 1000 cfu/g
Total combined yeast and mounds (TYMC) .... 100 cfu/g
Salmonella....absence/10 g
Escherichia coli ....absence/g
As ....0,0003 %
Ni ....0,0001 %
Pb ....0,00005 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
143064.1210	500 g	6
143064.1211	1000 g	6
143064.0914	5 kg	

D(-)-Sorbite (E-420i, F.C.C.) ADITIO

$C_6H_{14}O_6$

M: 182,17 CAS: 50-70-4 EINECS: 200-061-5 NC: 2905 44 91

SPECIFICATIONS:

Assay (as $C_6H_{14}O_6$) calc. a.d.s....91,0-100,5%
Assay (as Glycytols), not less than....98,0 %
Melting range.... 88-102°C
Arsenic (as As), not more than .... 3 ppm
Lead, not more than .... 1 ppm
Nickel, not more than .... 1 ppm
Chloride, not more than....0,005 %
Heavy metals (as Pb), not more than .... 5 ppm
Water, not more than....1,0 %
Reducing sugars (as Glucose), not more than ....0,30 %
Residue on ignition, not more than ....0,1 %
Sulphate, not more than....0,01 %
Total sugars (as Glucose), not more than....1,0 %
pH 10% solution.... 3,5-7,0
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
203064.0914	5 kg	
203064.0416	25 kg	

D-Sorbitol

(see D(-)-Sorbite)

Soy Peptone (Ingredient) CULTIMED

Nutritional ingredient for preparing culture media.

NC: 3504 00 00

SPECIFICATIONS:

pH of 2% solution 6,5-7,5
Loss on drying at 105°C.... 8 %
Residue on ignition (as SO_4) .... 15 %
Total Nitrogen ....≥7 %

Order code	Package	Units/Box st.
403684.1210	500 g	6
403684.0914	5 kg	
403684.0416	25 kg	

SPADNS PA

reagent of metals for fluoride determination

$C_{16}H_9N_2Na_3O_{11}S_3$

M: 570,42 CAS: 23647-14-5 EINECS: 245-803-9 NC: 2927 00 00

HAZARDOUS:

S: 24/25

SPECIFICATIONS:

Identity....IR p/t.
λ of max. ABS at pH 7,0.... 505-510 nm
A 1%, 1 cm, λ max....>380

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C.... 10 %
Suitability as a metal indicator .... p/t.

Order code	Package	Units/Box st.
12C071.1606	25 g	6

SPADNS PS

$C_{16}H_9N_2Na_3O_{11}S_3$

M: 570,42 CAS: 23647-14-5 EINECS: 245-803-9 NC: 2927 00 00

HAZARDOUS:

S: 24/25

SPECIFICATIONS:

Identity.....IR p/t.
λ of max. ABS at pH 7,0..... 505-510 nm
A 1%, 1 cm, λ max.....>320
Loss on drying at 105°C..... 10 %

Order code	Package	Units/Box st.
15C071.1605	10 g	6
15C071.1606	25 g	6

Span

(see Sorbitan)

SPECTROPHOTOMETRY STANDARDS

(see Standards for Spectrophotometry)

SRM Staining (Specified Risk Material)

(see: Patent Blue V solution 0,5% w/v. Patent Blue V solution 5% w/v. Tartrazine solution 0,5% w/v)

Stain Discriminator

(see Alcohol-Acetone 7:3)

STANDARDS FOR ATOMIC ABSORPTION

(see also Matrix Modifiers and Ionization Buffers for Atomic Absorption)

Aluminium standard solution Al=1,000±0,002 g/l AA

[$Al(NO_3)_3.9H_2O$ in HNO_3 0,5N] for spectrophotometry

NC: 3822 00 00 UN: 1760

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

1l~1,020kg 1kg~0,980l

Order code	Package	Units/Box st.
313170.1209	250 ml	6
313170.1210	500 ml	6

Antimony standard solution Sb=1,000±0,002 g/l AA

($SbCl_3$ in HCl 5N) for spectrophotometry

NC: 3822 00 00 UN: 1760

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

1l~1,129kg 1kg~0,886l

Order code	Package	Units/Box st.
314133.1209	250 ml	6
314133.1210	500 ml	6

Arsenic standard solution As=1,000±0,002 g/l AA

(As_2O_5 in H_2O) for spectrophotometry

NC: 3822 00 00 UN: 1556

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611

HAZARDOUS:

T **R: 45-E20/22 S: 26-36-53-45 CE: 033-004-00-6**

1l~1,002kg 1kg~0,998l

Order code	Package	Units/Box st.
313171.1209	250 ml	6
313171.1210	500 ml	6

Barium standard solution Ba=1,000±0,002 g/l AA

[$Ba(NO_3)_2$ in HNO_3 0,5N] for spectrophotometry

NC: 3822 00 00 UN: 1760

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

1l~1,020kg 1kg~0,980l

Order code	Package	Units/Box st.
313172.1209	250 ml	6
313172.1210	500 ml	6

Bismuth standard solution Bi=1,000±0,002 g/l AA

[$Bi(NO_3)_3.5H_2O$ in HNO_3 0,5N] for spectrophotometry

NC: 3822 00 00 UN: 1760

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

1l~1,016kg 1kg~0,984l

Order code	Package	Units/Box st.
313174.1209	250 ml	6
313174.1210	500 ml	6

Cadmium standard solution Cd=1,000±0,002 g/l AA

[$Cd(NO_3)_2.4H_2O$ in HNO_3 0,5N] for spectrophotometry

NC: 3822 00 00 UN: 1760

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

Xi **R: 36/37/38-52 S: 26-36/37-60-61**

1l~1,015kg 1kg~0,985l

Order code	Package	Units/Box st.
313175.1209	250 ml	6
313175.1210	500 ml	6

Calcium standard solution Ca=1,000±0,002 g/l AA

[$Ca(NO_3)_2.4H_2O$ in HNO_3 0,5N] for spectrophotometry

NC: 3822 00 00 UN: 1760

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

1l~1,020kg 1kg~0,980l

Order code	Package	Units/Box st.
313176.1209	250 ml	6
313176.1210	500 ml	6

Chromium standard solution Cr=1,000±0,002 g/l AA

[$Cr(NO_3)_3.9H_2O$ in HNO_3 0,5N] for spectrophotometry

NC: 3822 00 00 UN: 1760

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

1l~1,023kg 1kg~0,978l

Order code	Package	Units/Box st.
313179.1209	250 ml	6
313179.1210	500 ml	6

Cobalt standard solution Co=1,000±0,002 g/l AA

[$Co(NO_3)_2.6H_2O$ in HNO_3 0,5N] for spectrophotometry

NC: 3822 00 00 UN: 1760

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

1l~1,019kg 1kg~0,981l

Order code	Package	Units/Box st.
313177.1209	250 ml	6
313177.1210	500 ml	6

Copper standard solution Cu=1,000±0,002 g/l AA

[$Cu(NO_3)_2.3H_2O$ in HNO_3 0,5N] for spectrophotometry

NC: 3822 00 00 UN: 1760

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

1l~1,020kg 1kg~0,980l

Order code	Package	Units/Box st.
313178.1209	250 ml	6
313178.1210	500 ml	6

Fluoride standard solution F=1,000±0,005 g/l AA

(NaF in H_2O)

NaF

M: 41,99 CAS: 7681-49-4 EINECS: 231-667-8 NC: 3822 00 00

1l~1,001kg 1kg~0,999l

Order code	Package	Units/Box st.
312682.1209	250 ml	6
312682.1210	500 ml	6

Gold standard solution Au=1,000±0,002 g/l AA

($HAuCl_4.4H_2O$ in HCl 1,2%) for spectrophotometry
NC: 3822 00 00
1l~1,056kg 1kg~0,947l

Order code	Package	Units/Box st.
313672.1209	250 ml	6
313672.1210	500 ml	6

Iron standard solution Fe=1,000±0,002 g/l AA

[$Fe(NO_3)_3.9H_2O$ in HNO_3 0,5N] for spectrophotometry
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,001kg 1kg~0,999l

Order code	Package	Units/Box st.
313182.1209	250 ml	6
313182.1210	500 ml	6

Lead standard solution Pb=1,000±0,002 g/l AA

[$Pb(NO_3)_2$ in HNO_3 0,5N] for spectrophotometry
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,019kg 1kg~0,981l

Order code	Package	Units/Box st.
313189.1209	250 ml	6
313189.1210	500 ml	6

Lithium standard solution Li=1,000±0,002 g/l AA

(LiCl in HCl ~1%) for spectrophotometry
NC: 3822 00 00
1l~1,006kg 1kg~0,994l

Order code	Package	Units/Box st.
313183.1209	250 ml	6
313183.1210	500 ml	6

Magnesium standard solution Mg=1,000±0,002 g/l AA

[$Mg(NO_3)_2.6H_2O$ in HNO_3 0,5N] for spectrophotometry
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,022kg 1kg~0,978l

Order code	Package	Units/Box st.
313184.1209	250 ml	6
313184.1210	500 ml	6

Manganese standard solution Mn=1,000±0,002 g/l AA

[$Mn(NO_3)_2$ in HNO_3 1N] for spectrophotometry
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,033kg 1kg~0,968l

Order code	Package	Units/Box st.
313185.1209	250 ml	6
313185.1210	500 ml	6

Mercury standard solution Hg=1,000±0,002 g/l AA

[$Hg(NO_3)_2$ in HNO_3 1N] for spectrophotometry
NC: 3822 00 00 UN: 2024
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 617 CAO: 612
HAZARDOUS:
Xn
R: 20/21/22-33-36/37/38 S: 26-36/37
1l~1,016kg 1kg~0,984l

Order code	Package	Units/Box st.
313186.1209	250 ml	6
313186.1210	500 ml	6

Molybdenum standard solution Mo=1,000±0,002 g/l AA

[$(NH_4)_6Mo_7O_{24}.4H_2O$ in NH_4OH 0,5N] for spectrophotometry
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,000kg 1kg~1,000l

Order code	Package	Units/Box st.
314111.1209	250 ml	6
314111.1210	500 ml	6

Nickel standard solution Ni=1,000±0,002 g/l AA

[$Ni(NO_3)_2.6H_2O$ in HNO_3 0,5N] for spectrophotometry
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,025kg 1kg~0,976l

Order code	Package	Units/Box st.
313187.1209	250 ml	6
313187.1210	500 ml	6

Potassium standard solution K=1,000±0,002 g/l AA

(KCl in HCl ~1%) for spectrophotometry
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,002kg 1kg~0,998l

Order code	Package	Units/Box st.
313190.1209	250 ml	6
313190.1210	500 ml	6

Selenium standard solution Se=1,000±0,002 g/l AA

(SeO_3H_2 in HNO_3 1N) for spectrophotometry
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,027kg 1kg~0,974l

Order code	Package	Units/Box st.
313191.1209	250 ml	6
313191.1210	500 ml	6

Silicon standard solution Si=1,00±0,05 g/l AA

(Na_2SiO_3 in H_2O) for spectrophotometry
NC: 3822 00 00
1l~1,002kg 1kg~0,998l

Order code	Package	Units/Box st.
312683.1209	250 ml	6
312683.1210	500 ml	6

Silver standard solution Ag=1,000±0,002 g/l AA

($AgNO_3$ in HNO_3 0,5N) for spectrophotometry
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,016kg 1kg~0,984l

Order code	Package	Units/Box st.
313188.1209	250 ml	6
313188.1210	500 ml	6

Sodium standard solution Na=1,000±0,002 g/l AA

(NaCl in HCl ~1%) for spectrophotometry
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,005kg 1kg~0,995l

Order code	Package	Units/Box st.
313192.1209	250 ml	6
313192.1210	500 ml	6

Strontium standard solution Sr=1,000±0,002 g/l AA

[$Sr(NO_3)_2$ in HNO_3 0,5N] for spectrophotometry
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,014kg 1kg~0,986l

Order code	Package	Units/Box st.
313181.1209	250 ml	6
313181.1210	500 ml	6

Sulphate standard solution SO_4=1,000±0,002 g/l AA

(Na_2SO_4 in H_2O)
Na_2SO_4
M: 142,04 CAS: 7757-82-6 EINECS: 231-820-9 NC: 3822 00 00
1l~1,000kg 1kg~1,000l
Anion (Acidim.) ..... 1,000±0,002 g/l

Order code	Package	Units/Box st.
314240.1208	100 ml	6

Tin standard solution Sn=1,000±0,002 g/l AA

($SnCl_4$ in HCl 5N) for spectrophotometry
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,083kg 1kg~0,923l

Order code	Package	Units/Box st.
313180.1209	250 ml	6
313180.1210	500 ml	6

Titanium standard solution Ti=1,000±0,002 g/l AA

($TiCl_4$ in HCl 5N) for spectrophotometry
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,089kg 1kg~0,918l

Order code	Package	Units/Box st.
313960.1209	250 ml	6
313960.1210	500 ml	6

Zinc standard solution Zn=1,000±0,002 g/l AA

[$Zn(NO_3)_2.6H_2O$ in HNO_3 0,5N] for spectrophotometry
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,022kg 1kg~0,978l

Order code	Package	Units/Box st.
313193.1209	250 ml	6
313193.1210	500 ml	6

STANDARDS FOR COD

COD Standard (50 ppm) RS

NC: 3822 00 00
1l~1,002kg 1kg~0,998l
Composition:
Potassium Hydrogen Phthalate.....0,0425 g
Distilled water (s.q.m.).....1000,0 ml
Concentration..... 50 ppm
Uncertainty..... ±10 ppm
The used reference product, is traceable with the NIST standard Potassium Hydrogen Phthalate ref. 84j

Order code	Package	Units/Box st.
394642.1606	25 ml	6

COD Standard (150 ppm) RS

NC: 3822 00 00
1l~1,003kg 1kg~0,997l
Composition:
Potassium Hydrogen Phthalate.....0,1275 g
Distilled water (s.q.m.).....1000,0 ml
Concentration..... 150 ppm
Uncertainty..... ±25 ppm
The used reference product, is traceable with the NIST standard Potassium Hydrogen Phthalate ref. 84j

Order code	Package	Units/Box st.
394547.1606	25 ml	6

COD Standard (500 ppm) RS

NC: 3822 00 00
1l~1,005kg 1kg~0,995l
Composition:
Potassium Hydrogen Phthalate.....0,4251 g
Distilled water (s.q.m.).....1000,0 ml
Concentration..... 500 ppm
Uncertainty..... ±50 ppm
The used reference product, is traceable with the NIST standard Potassium Hydrogen Phthalate ref. 84j

Order code	Package	Units/Box st.
394640.1606	25 ml	6

COD Standard (1.000 ppm) RS

NC: 3822 00 00
1l~1,008kg 1kg~0,992l
Composition:
Potassium Hydrogen Phthalate.....0,8502 g
Distilled water (s.q.m.).....1000,0 ml
Concentration..... 1000 ppm
Uncertainty..... ±100 ppm
The used reference product, is traceable with the NIST standard Potassium Hydrogen Phthalate ref. 84j

Order code	Package	Units/Box st.
394546.1606	25 ml	6

COD Standard (3.000 ppm) RS

NC: 3822 00 00
1l~1,007kg 1kg~0,993l
Composition:
Potassium Hydrogen Phthalate.....2,5505 g
Distilled water (s.q.m.).....1000,0 ml
Concentration..... 3000 ppm
Uncertainty..... ±100 ppm
The used reference product, is traceable with the NIST standard Potassium Hydrogen Phthalate ref. 84j

Order code	Package	Units/Box st.
394641.1606	25 ml	6

COD Standard (7.000 ppm) RS

NC: 3822 00 00
1l~1,010kg 1kg~0,990l
Composition:
Potassium Hydrogen Phthalate.....5,9514 g
Distilled water (s.q.m.).....1000,0 ml
Concentration..... 7000 ppm
Uncertainty..... ±300 ppm
The used reference product, is traceable with the NIST standard Potassium Hydrogen Phthalate ref. 84j

Order code	Package	Units/Box st.
394545.1606	25 ml	6

STANDARD FOR COLOUR DETERMINATION

Colour Standard Pt-Co, 500 APHA RS

for colour determination
NC: 3822 00 00
1l~1,020kg 1kg~0,980l
SPECIFICATIONS:
ABS at λ430 nm ..... 0,110 - 0,120
ABS at λ455 nm ..... 0,130 - 0,145
ABS at λ480 nm ..... 0,105 - 0,120
ABS at λ510 nm ..... 0,055 - 0,065

Order code	Package	Units/Box st.
395508.1610	500 ml	6

STANDARDS FOR CONDUCTIVITY

Conductivity Standard 1413 µS/cm (25°C) RS

NC: 3822 00 00
1l~1,002kg 1kg~0,998l
SPECIFICATIONS:
Conductivity at 25°C .....1413±5 µS/cm
Composition:
Potassium Chloride .....0,010 mol/l
CONDUCTIVITY VALUES DEPENDING ON TEMPERATURE

T (°C)	(µS/cm)
20,0	1278
21,0	1305
22,0	1332
23,0	1359
24,0	1386
25,0	1413
26,0	1440
27,0	1467
28,0	1494
29,0	1522
30,0	1549

Order code	Package	Units/Box st.
394659.1209	250 ml	6

Conductivity Standard 5446 µS/cm (25°C) RS

NC: 3822 00 00
1l~1,000kg 1kg~1,000l
SPECIFICATIONS:
Conductivity at 25°C ..... 5446 ±25 µS/cm
Composition:
Potassium Chloride ..... 0,040 mol/l
CONDUCTIVITY VALUES DEPENDING ON TEMPERATURE

T(°C)	(µS/cm)
20,0	4915
21,0	5022
22,0	5128
23,0	5234
24,0	5340
25,0	5446
26,0	5552
27,0	5658
28,0	5764
29,0	5870
30,0	5976

Order code	Package	Units/Box st.
394657.1209	250 ml	6

Conductivity Standard 12,88 mS/cm (25°C) RS

NC: 3822 00 00
1l~1,002kg 1kg~0,998l
SPECIFICATIONS:
Conductivity at 25°C ..... 12,88 ±0,06 mS/cm
Composition:
Potassium Chloride ..... 0,100 mol/l
CONDUCTIVITY VALUES DEPENDING ON TEMPERATURE

T(°C)	(mS/cm)
20,0	11,67
21,0	11,91
22,0	12,15
23,0	12,39
24,0	12,64
25,0	12,88
26,0	13,13
27,0	13,37
28,0	13,62
29,0	13,87
30,0	14,12

Order code	Package	Units/Box st.
394658.1209	250 ml	6

STANDARDS FOR ICP

Aluminium standard solution Al=1,000±0,002 g/l ICP

(Al in HNO_3< 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766034.1208	100 ml	6

Aluminium standard solution Al=10,00±0,02 g/l ICP

(Al in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,06kg 1kg~0,94l

Order code	Package	Units/Box st.
775943.1208	100 ml	6

Antimony standard solution Sb=1,000±0,002 g/l ICP

(Sb in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766035.1208	100 ml	6

Antimony standard solution Sb=10,00±0,02 g/l ICP

(Sb in HCl 20%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,10kg 1kg~0,91l

Order code	Package	Units/Box st.
775944.1208	100 ml	6

Arsenic standard solution As=1,000±0,002 g/l ICP

(As_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1556
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:
T Xi
R: 45-E20/22-36/37/38 S: 26-36-53-45
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766036.1208	100 ml	6

Arsenic standard solution As=10,00±0,02 g/l ICP

(As_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1556
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:
T Xi N
R: 45-E23/25-36/37/38-52/53 S: 26-36-53-45-60-61
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775945.1208	100 ml	6

Barium standard solution Ba=1,000±0,002 g/l ICP

($BaCO_3$ in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766037.1208	100 ml	6

Barium standard solution Ba=10,00±0,02 g/l ICP

($BaCO_3$ in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,04kg 1kg~0,96l

Order code	Package	Units/Box st.
775947.1208	100 ml	6

Beryllium standard solution Be=1,000±0,002 g/l ICP

(Be in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 2922
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
T Xi
R: 49-E20/22-36/37/38-E48/20 S: 26-36/37/39-53-45
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
763173.1208	100 ml	6

Beryllium standard solution Be=10,00±0,02 g/l ICP

(Be in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 2922
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
T Xi
R: 49-E23/24-36/37/38-43-E48/20 S: 26-36/37/39-53-45
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775899.1208	100 ml	6

Bismuth standard solution Bi=1,000±0,002 g/l ICP
(Bi in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766039.1208	100 ml	6

Bismuth standard solution Bi=10,00±0,02 g/l ICP
(Bi in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775948.1208	100 ml	6

Boron standard solution B=1,000±0,002 g/l ICP
(H_3BO_3 in H_2O) for ICP
CAS: 10043-35-3 EINECS: 233-139-2 NC: 2810 00 90
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
765900.1208	100 ml	6

Cadmium standard solution Cd=1,000±0,002 g/l ICP
(Cd in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38-52 S: 26-36/37-60-61
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766038.1208	100 ml	6

Cadmium standard solution Cd=10,00±0,02 g/l ICP
(Cd in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38-52 S: 26-36/37-60-61
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775949.1208	100 ml	6

Calcium standard solution Ca=1,000±0,002 g/l ICP
($CaCO_3$ in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766040.1208	100 ml	6

Calcium standard solution Ca=10,00±0,02 g/l ICP
($CaCO_3$ in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,04kg 1kg~0,96l

Order code	Package	Units/Box st.
775950.1208	100 ml	6

Cerium standard solution Ce=1,000±0,002 g/l ICP
(CeO_2 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 3264
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765901.1208	100 ml	6

Cerium standard solution Ce=10,00±0,02 g/l ICP
(CeO_2 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 3264
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,03kg 1kg~0,97l

Order code	Package	Units/Box st.
775951.1208	100 ml	6

Cesium standard solution Cs=1,000±0,002 g/l ICP
(Cs_2CO_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765902.1208	100 ml	6

Cesium standard solution Cs=10,00±0,02 g/l ICP
(Cs_2CO_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775952.1208	100 ml	6

Chloride standard solution Cl=1,000±0,002 g/l ICP
(KCl in H_2O) for ICP
NC: 3822 00 00
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
765903.1208	100 ml	6

Chloride standard solution Cl=10,00±0,02 g/l ICP
(KCl in H_2O) for ICP
NC: 3822 00 00
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775953.1208	100 ml	6

Chromium standard solution Cr=1,000±0,002 g/l ICP
(Cr in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766043.1208	100 ml	6

Chromium standard solution Cr=10,00±0,02 g/l ICP
(Cr in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775956.1208	100 ml	6

Cobalt standard solution Co=1,000±0,002 g/l ICP
(Co in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766041.1208	100 ml	6

Cobalt standard solution Co=10,00±0,02 g/l ICP

(Co in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775954.1208	100 ml	6

Copper standard solution Cu=1,000±0,002 g/l ICP

(Cu in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766042.1208	100 ml	6

Copper standard solution Cu=10,00±0,02 g/l ICP

(Cu in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,04kg 1kg~0,96l

Order code	Package	Units/Box st.
775955.1208	100 ml	6

Dysprosium standard solution Dy=1,000±0,002 g/l ICP

(Dy_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765904.1208	100 ml	6

Dysprosium standard solution Dy=10,00±0,02 g/l ICP

(Dy_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775957.1208	100 ml	6

Erbium standard solution Er=1,000±0,002 g/l ICP

(Er_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765905.1208	100 ml	6

Erbium standard solution Er=10,00±0,02 g/l ICP

(Er_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775958.1208	100 ml	6

Europium standard solution Eu=1,000±0,002 g/l ICP

(Eu_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765906.1208	100 ml	6

Europium standard solution Eu=10,00±0,02 g/l ICP

(Eu_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775962.1208	100 ml	6

Gadolinium standard solution Gd=1,000±0,002 g/l ICP

(Gd_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765908.1208	100 ml	6

Gadolinium standard solution Gd=10,00±0,02 g/l ICP

(Gd_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775963.1208	100 ml	6

Gallium standard solution Ga=1,000±0,002 g/l ICP

(Ga_2O_3 in HNO_3 2-5% + traces HCl) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765909.1208	100 ml	6

Gallium standard solution Ga=10,00±0,02 g/l ICP

(Ga_2O_3 in HNO_3 2-5% + traces HCl) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775964.1208	100 ml	6

Germanium standard solution Ge=1,000±0,002 g/l ICP

(Ge in HNO_3 2-5% + traces HF) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,01kg 1kg~0,99l

Order code	Package	Units/Box st.
765910.1208	100 ml	6

Germanium standard solution Ge=10,00±0,02 g/l ICP

(Ge in HNO_3 2-5% + traces HF) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,01kg 1kg~0,99l

Order code	Package	Units/Box st.
775965.1208	100 ml	6

Gold standard solution Au=1,000±0,002 g/l ICP

(Au in HCl 20%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,09kg 1kg~0,92l

Order code	Package	Units/Box st.
766061.1208	100 ml	6

Gold standard solution Au=10,00±0,02 g/l ICP

(Au in HCl 20%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,06kg 1kg~0,94l

Order code	Package	Units/Box st.
775984.1208	100 ml	6

Hafnium standard solution Hf=1,000±0,002 g/l ICP

(Hf in HF 5%) for ICP
NC: 3822 00 00 UN: 2922
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
T C
R: 23/24/25-34 S: 26-36-45
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765911.1208	100 ml	6

Hafnium standard solution Hf=10,00±0,02 g/l ICP

(Hf in HF 5%) for ICP
NC: 3822 00 00 UN: 2922
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
T C
R: 23/24/25-34 S: 26-36-45
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775966.1208	100 ml	6

Holmium standard solution Ho=1,000±0,002 g/l ICP

(Ho_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,01kg 1kg~0,99l

Order code	Package	Units/Box st.
765912.1208	100 ml	6

Holmium standard solution Ho=10,00±0,02 g/l ICP

(Ho_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775968.1208	100 ml	6

Indium standard solution In=1,000±0,002 g/l ICP

(In_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765913.1208	100 ml	6

Indium standard solution In=10,00±0,02 g/l ICP

(In_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,03kg 1kg~0,97l

Order code	Package	Units/Box st.
775969.1208	100 ml	6

Iridium standard solution Ir=1,000±0,002 g/l ICP

($IrCl_3.3H_2O$ in HCl 20%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765941.1208	100 ml	6

Iridium standard solution Ir=10,00±0,02 g/l ICP

($IrCl_3.3H_2O$ in HCl 20%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775970.1208	100 ml	6

Iron standard solution Fe=1,000±0,002 g/l ICP

(Fe in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766049.1208	100 ml	6

Iron standard solution Fe=10,00±0,02 g/l ICP

(Fe in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,06kg 1kg~0,94l

Order code	Package	Units/Box st.
775967.1208	100 ml	6

Lanthanum standard solution La=1,000±0,002 g/l ICP

(La_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765916.1208	100 ml	6

Lanthanum standard solution La=10,00±0,02 g/l ICP

(La_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,04kg 1kg~0,96l

Order code	Package	Units/Box st.
775973.1208	100 ml	6

Lead standard solution Pb=1,000±0,002 g/l ICP

(Pb in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766063.1208	100 ml	6

Lead standard solution Pb=10,00±0,02 g/l ICP

(Pb in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 2922
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
T Xi R: 61-36/37/38-52/53 S: 26-36-53-60-61
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775988.1208	100 ml	6

Lithium standard solution Li=1,000±0,002 g/l ICP

(Li_2CO_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766059.1208	100 ml	6

Lithium standard solution Li=10,00±0,02 g/l ICP

(Li_2CO_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775974.1208	100 ml	6

Lutetium standard solution Lu=1,000±0,002 g/l ICP

(Lu_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765917.1208	100 ml	6

Lutetium standard solution Lu=10,00±0,02 g/l ICP

(Lu_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775975.1208	100 ml	6

Magnesium standard solution Mg=1,000±0,002 g/l ICP

(Mg in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766051.1208	100 ml	6

Magnesium standard solution Mg=10,00±0,02 g/l ICP

(Mg in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,04kg 1kg~0,96l

Order code	Package	Units/Box st.
775976.1208	100 ml	6

Manganese standard solution Mn=1,000±0,002 g/l ICP

(Mn in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,01kg 1kg~0,99l

Order code	Package	Units/Box st.
766052.1208	100 ml	6

Manganese standard solution Mn=10,00±0,02 g/l ICP

(Mn in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,04kg 1kg~0,96l

Order code	Package	Units/Box st.
775977.1208	100 ml	6

Mercury standard solution Hg=1,000±0,002 g/l ICP

(Hg in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 2024
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 617 CAO: 612
HAZARDOUS:
Xn R: 20/21/22-33-36/37/38 S: 26-36/37
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766060.1208	100 ml	6

Mercury standard solution Hg=10,00±0,02 g/l ICP

(Hg in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 2024
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 617 CAO: 612
HAZARDOUS:
T R: 23/24/25-33-36/37/38-52 S: 26-36/37-60-61
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775978.1208	100 ml	6

Molybdenum standard solution Mo=1,000±0,002 g/l ICP

(Mo in HNO_3 2-5% + traces HF) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766053.1208	100 ml	6

Molybdenum standard solution Mo=10,00±0,02 g/l ICP

(Mo in HNO_3 2-5% + traces HF) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775979.1208	100 ml	6

Neodymium standard solution Nd=1,000±0,002 g/l ICP

(Nd_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765918.1208	100 ml	6

Neodymium standard solution Nd=10,00±0,02 g/l ICP

(Nd_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775980.1208	100 ml	6

Nickel standard solution Ni=1,000±0,002 g/l ICP

(Ni in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766054.1208	100 ml	6

Nickel standard solution Ni=10,00±0,02 g/l ICP

(Ni in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,04kg 1kg~0,96l

Order code	Package	Units/Box st.
775982.1208	100 ml	6

Niobium standard solution Nb=1,000±0,002 g/l ICP

(Nb in HF 5%) for ICP
NC: 3822 00 00 UN: 2922
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
T C
R: 23/24/25-34 S: 26-36-45
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765919.1208	100 ml	6

Niobium standard solution Nb=10,00±0,02 g/l ICP

(Nb in HF 5%) for ICP
NC: 3822 00 00 UN: 2922
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
T C
R: 23/24/25-34 S: 26-36-45
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775981.1208	100 ml	6

Nitrogen standard solution N=1,000±0,002 g/l ICP

[$(NH_4)_2SO_4$ in H_2O] for ICP
CAS: 7783-20-2 EINECS: 231-984-1 NC: 3102 21 00
1l~1,01kg 1kg~0,99l

Order code	Package	Units/Box st.
765920.1208	100 ml	6

Nitrogen standard solution N=10,00±0,02 g/l ICP

(KNO_3 in H_2O) for ICP
CAS: 7757-79-1 EINECS: 231-818-8 NC: 2834 21 00
1l~1,05kg 1kg~0,95l

Order code	Package	Units/Box st.
775983.1208	100 ml	6

Osmium standard solution Os=1,000±0,002 g/l ICP

[$(NH_4)_2OsCl_6$ in HCl 2-5%] for ICP
NC: 3822 00 00
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
765921.1208	100 ml	6

Palladium standard solution Pd=1,000±0,002 g/l ICP

(Pd in HCl 20%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,05kg 1kg~0,95l

Order code	Package	Units/Box st.
765922.1208	100 ml	6

Palladium standard solution Pd=10,00±0,02 g/l ICP

(Pd in HCl 20%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,05kg 1kg~0,95l

Order code	Package	Units/Box st.
775985.1208	100 ml	6

Phosphorus standard solution P=1,000±0,002 g/l ICP

(KH_2PO_4 in H_2O) for ICP
CAS: 7778-77-0 EINECS: 231-913-4 NC: 2835 24 00
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
766384.1208	100 ml	6

Phosphorus standard solution P=10,00±0,02 g/l ICP

(H_3PO_4 in H_2O) for ICP
CAS: 7664-38-2 EINECS: 231-633-2 NC: 2809 20 00
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
775907.1208	100 ml	6

Platinum standard solution Pt=1,000±0,002 g/l ICP

(Pt in HCl 20%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,05kg 1kg~0,95l

Order code	Package	Units/Box st.
765923.1208	100 ml	6

Platinum standard solution Pt=10,00±0,02 g/l ICP

(Pt in HCl 20%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,05kg 1kg~0,95l

Order code	Package	Units/Box st.
775987.1208	100 ml	6

Potassium standard solution K=1,000±0,002 g/l ICP

(KNO_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766050.1208	100 ml	6

Potassium standard solution K=10,00±0,02 g/l ICP

(KNO_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,03kg 1kg~0,97l

Order code	Package	Units/Box st.
775989.1208	100 ml	6

Praseodymium standard solution Pr=1,000±0,002 g/l ICP

(Pr_6O_{11} in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765924.1208	100 ml	6

Praseodymium standard solution Pr=10,00±0,02 g/l ICP

(Pr_6O_{11} in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775990.1208	100 ml	6

Rhenium standard solution Re=1,000±0,002 g/l ICP

(NH_4ReO_4 in H_2O) for ICP
CAS: 13598-65-7 EINECS: 237-075-6 NC: 2841 90 85
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
765925.1208	100 ml	6

Rhenium standard solution Re=10,00±0,02 g/l ICP

(NH_4ReO_4 in H_2O) for ICP
CAS: 13598-65-7 EINECS: 237-075-6 NC: 2841 90 85
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
775991.1208	100 ml	6

Rhodium standard solution Rh=1,000±0,002 g/l ICP

($RhCl_3.3H_2O$ in HCl 20%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,06kg 1kg~0,94l

Order code	Package	Units/Box st.
765926.1208	100 ml	6

Rhodium standard solution Rh=10,00±0,02 g/l ICP

($RhCl_3.3H_2O$ in HCl 20%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,06kg 1kg~0,94l

Order code	Package	Units/Box st.
775992.1208	100 ml	6

Rubidium standard solution Rb=1,000±0,002 g/l ICP

(Rb_2CO_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765927.1208	100 ml	6

Rubidium standard solution Rb=10,00±0,02 g/l ICP

(Rb_2CO_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775993.1208	100 ml	6

Ruthenium standard solution Ru=1,000±0,002 g/l ICP

($RuCl_3.3H_2O$ in HCl 20%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765928.1208	100 ml	6

Ruthenium standard solution Ru=10,00±0,02 g/l ICP

($RuCl_3.3H_2O$ in HCl 20%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,06kg 1kg~0,94l

Order code	Package	Units/Box st.
775994.1208	100 ml	6

Samarium standard solution Sm=1,000±0,002 g/l ICP

(Sm_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765929.1208	100 ml	6

Samarium standard solution Sm=10,00±0,02 g/l ICP

(Sm_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775995.1208	100 ml	6

Scandium standard solution Sc=1,000±0,002 g/l ICP

(Sc_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765930.1208	100 ml	6

Scandium standard solution Sc=10,00±0,02 g/l ICP

(Sc_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,05kg 1kg~0,95l

Order code	Package	Units/Box st.
775959.1208	100 ml	6

Selenium standard solution Se=1,000±0,002 g/l ICP

(Se in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766055.1208	100 ml	6

Selenium standard solution Se=10,00±0,02 g/l ICP

(Se in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775996.1208	100 ml	6

Silicon standard solution Si=1,000±0,002 g/l ICP

[$(NH_4)_2SiF_6$ in HF 5%] for ICP
NC: 3822 00 00 UN: 2922
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
T C
R: 23/24/25-34 S: 26-35-45
1l~1,03kg 1kg~0,97l

Order code	Package	Units/Box st.
765997.1208	100 ml	6

Silicon standard solution Si=10,00±0,02 g/l ICP

[$(NH_4)_2SiF_6$ in HF 5%] for ICP
NC: 3822 00 00 UN: 2922
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
T C
R: 23/24/25-34 S: 26-36-45
1l~1,07kg 1kg~0,93l

Order code	Package	Units/Box st.
775998.1208	100 ml	6

Silver standard solution Ag=1,000±0,002 g/l ICP

(Ag in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766062.1208	100 ml	6

Silver standard solution Ag=10,00±0,02 g/l ICP

(Ag in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775986.1208	100 ml	6

Sodium standard solution Na=1,000±0,002 g/l ICP

($NaNO_3$ in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766056.1208	100 ml	6

Sodium standard solution Na=10,00±0,02 g/l ICP

($NaNO_3$ in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,04kg 1kg~0,96l

Order code	Package	Units/Box st.
775999.1208	100 ml	6

Strontium standard solution Sr=1,000±0,002 g/l ICP

($SrCO_3$ in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766048.1208	100 ml	6

Strontium standard solution Sr=10,00±0,02 g/l ICP

($SrCO_3$ in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775961.1208	100 ml	6

Sulphur standard solution S=1,000±0,002 g/l ICP

(H_2SO_4 in H_2O) for ICP
CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
765898.1208	100 ml	6

Sulphur standard solution S=10,00±0,02 g/l ICP

(H_2SO_4 in H_2O) for ICP
CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 2796
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
Xi
R: 36/37/38 S: 26-36 CE: 016-020-00-8
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
775946.1208	100 ml	6

Tantalum standard solution Ta=1,000±0,002 g/l ICP

(Ta in HF 5%) for ICP
NC: 3822 00 00 UN: 2922
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
T C
R: 23/24/25-34 S: 26-36-45
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765932.1208	100 ml	6

Tantalum standard solution Ta=10,00±0,02 g/l ICP

(Ta in HF 5%) for ICP
NC: 3822 00 00 UN: 2922
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
T C
R: 23/24/25-34 S: 26-36-45
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
776001.1208	100 ml	6

Tellurium standard solution Te=1,000±0,002 g/l ICP
(Te in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765933.1208	100 ml	6

Tellurium standard solution Te=10,00±0,02 g/l ICP
(Te in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
776002.1208	100 ml	6

Terbium standard solution Tb=1,000±0,002 g/l ICP
(Tb_4O_7 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,01kg 1kg~0,99l

Order code	Package	Units/Box st.
765934.1208	100 ml	6

Terbium standard solution Tb=10,00±0,02 g/l ICP
(Tb_4O_7 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
776003.1208	100 ml	6

Thallium standard solution Tl=1,000±0,002 g/l ICP
(Tl in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xn R: 20/22-36/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765931.1208	100 ml	6

Thallium standard solution Tl=10,00±0,02 g/l ICP
(Tl in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xn R: 20/22-36/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
776000.1208	100 ml	6

Thorium standard solution Th=1,000±0,002 g/l ICP
[$Th(NO_3)_4.5H_2O$ in HNO_3 10%] for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
C R: 34 S: 26-36/37/39-45
1l~1,08kg 1kg~0,92l

Order code	Package	Units/Box st.
765935.1208	100 ml	6

Thorium standard solution Th=10,00±0,02 g/l ICP
[$Th(NO_3)_4.5H_2O$ in HNO_3 10%] for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
C R: 34 S: 26-36/37/39-45
1l~1,08kg 1kg~0,92l

Order code	Package	Units/Box st.
776005.1208	100 ml	6

Thullium standard solution Tm=1,000±0,002 g/l ICP
(Tm_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765936.1208	100 ml	6

Thullium standard solution Tm=10,00±0,02 g/l ICP
(Tm_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
776006.1208	100 ml	6

Tin standard solution Sn=1,000±0,002 g/l ICP
(Sn in HCl 20%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,10kg 1kg~0,91l

Order code	Package	Units/Box st.
766047.1208	100 ml	6

Tin standard solution Sn=10,00±0,02 g/l ICP
(Sn in HCl 20%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,10kg 1kg~0,91l

Order code	Package	Units/Box st.
775960.1208	100 ml	6

Titanium standard solution Ti=1,000±0,002 g/l ICP
(Ti in HF 5%) for ICP
NC: 3822 00 00 UN: 2922
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
T C R: 23/24/25-34 S: 26-36-45
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766057.1208	100 ml	6

Titanium standard solution Ti=10,00±0,02 g/l ICP
(Ti in HNO_3 2-5% + traces HF) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,05kg 1kg~0,95l

Order code	Package	Units/Box st.
776004.1208	100 ml	6

Uranium standard solution U=1,000±0,002 g/l ICP

(U in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765937.1208	100 ml	6

Uranium standard solution U=10,00±0,02 g/l ICP

(U in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 2922
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
Xn R: 20/21/22-33-36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
776007.1208	100 ml	6

Vanadium standard solution V=1,000±0,002 g/l ICP

(V in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765938.1208	100 ml	6

Vanadium standard solution V=10,00±0,02 g/l ICP

(V in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
776008.1208	100 ml	6

Wolfram standard solution W=1,000±0,002 g/l ICP

(W in HF 5%) for ICP
NC: 3822 00 00 UN: 2922
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
T C R: 23/24/25-34 S: 26-36-45
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765939.1208	100 ml	6

Wolfram standard solution W=10,00±0,02 g/l ICP

(W in HF 5%) for ICP
NC: 3822 00 00 UN: 2922
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
T C R: 23/24/25-34 S: 26-36-45
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
776009.1208	100 ml	6

Ytterbium standard solution Yb=1,000±0,002 g/l ICP

(Yb_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765914.1208	100 ml	6

Ytterbium standard solution Yb=10,00±0,02 g/l ICP

(Yb_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775971.1208	100 ml	6

Yttrium standard solution Y=1,000±0,002 g/l ICP

(Y_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765915.1208	100 ml	6

Yttrium standard solution Y=10,00±0,02 g/l ICP

(Y_2O_3 in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
775972.1208	100 ml	6

Zinc standard solution Zn=1,000±0,002 g/l ICP

(Zn in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766058.1208	100 ml	6

Zinc standard solution Zn=10,00±0,02 g/l ICP

(Zn in HNO_3 2-5%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
776010.1208	100 ml	6

Zirconium standard solution Zr=1,000±0,002 g/l ICP

(Zr in HF 5%) for ICP
NC: 3822 00 00 UN: 2922
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
T C R: 23/24/25-34 S: 26-36-45
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
765940.1208	100 ml	6

Zirconium standard solution Zr=10,00±0,02 g/l ICP

($ZrCl_4$ in HCl 10%) for ICP
NC: 3822 00 00 UN: 1760
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820
HAZARDOUS:
Xi R: 36/37/38 S: 26-36
1l~1,05kg 1kg~0,95l

Order code	Package	Units/Box st.
776011.1208	100 ml	6

MULTIELEMENT STANDARDS FOR ICP

Multielement standard solution 100 mg/l: Hf, Ir, Sb, Sn, Ta, Ti, Zr ICP

(Contains 7 elements in 15% HCl) for ICP
NC: 3822 00 00 UN: 3264
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
Xi
R: 36/37/38 S: 26-45
1l~1,08kg 1kg~0,93l

Order code	Package	Units/Box st.
766336.1208	100 ml	6

Multielement standard solution 100 mg/l: As, Be, Cd, Cr, Pb, Hg, Ni, Se, Tl ICP

(Contains 9 elements in 10% HNO_3) for ICP
NC: 3822 00 00 UN: 3264
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
C
R: 34 S: 26-36-45
1l~1,05kg 1kg~0,95l

Order code	Package	Units/Box st.
766334.1208	100 ml	6

Multielement standard solution 100 mg/l: As, Be, Ca, Cd, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn ICP

(Contains 21 elements in 5% HNO_3) for ICP
NC: 3822 00 00 UN: 3264
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
C
R: 34 S: 26-36-45
1l~1,03kg 1kg~0,97l

Order code	Package	Units/Box st.
766335.1208	100 ml	6

Multielement standard solution 100 mg/l: Al, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, K, Li, Mg, Mn, Na, Ni, Pb, Se, Sr, Te, Tl, Zn ICP

(Contains 24 elements in 2% HNO_3) for ICP
NC: 3822 00 00 UN: 3264
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
1l~1,02kg 1kg~0,98l

Order code	Package	Units/Box st.
766333.1208	100 ml	6

Multielement standard solution 1000 mg/l: Ag, Al, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, In, K, Li, Mg, Mn, Na, Ni, Pb, Sr, Tl, Zn ICP

(Contains 23 elements in 2% HNO_3) for ICP
NC: 3822 00 00 UN: 3264
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:
Xn
R: 45-E20/21/22-68 S: 24-28a-36/37-46
1l~1,09kg 1kg~0,92l

Order code	Package	Units/Box st.
766332.1208	100 ml	6

N STANDARDS DISSOLVED IN OIL FOR ICP

Barium standard dissolved in oil Ba=1000±5 µg/g ICP

NC: 3822 00 00
HAZARDOUS:
Xn
R: 63 S: 36/37
1l~0,85kg 1kg~1,18l

Order code	Package	Units/Box st.
766428.1607	50 g	6

Calcium standard dissolved in oil Ca=1000±5 µg/g ICP

NC: 3822 00 00
HAZARDOUS:
Xn
R: 63 S: 36/37
1l~0,85kg 1kg~1,18l

Order code	Package	Units/Box st.
766427.1607	50 g	6

Chromium standard dissolved in oil Cr=1000±5 µg/g ICP

NC: 3822 00 00
HAZARDOUS:
Xn
R: 63 S: 36/37
1l~0,85kg 1kg~1,18l

Order code	Package	Units/Box st.
766429.1607	50 g	6

Cobalt standard dissolved in oil Co=1000±5 µg/g ICP

NC: 3822 00 00
HAZARDOUS:
Xn
R: 20-36/37 S: 36/37
1l~0,85kg 1kg~1,18l

Order code	Package	Units/Box st.
766430.1607	50 g	6

Copper standard dissolved in oil Cu=1000±5 µg/g ICP

NC: 3822 00 00
HAZARDOUS:
Xn
R: 20-36/38 S: 36/37
1l~0,85kg 1kg~1,18l

Order code	Package	Units/Box st.
766431.1607	50 g	6

Iron standard dissolved in oil Fe=1000±5 µg/g ICP

NC: 3822 00 00
HAZARDOUS:
Xn
R: 63 S: 36/37
1l~0,85kg 1kg~1,18l

Order code	Package	Units/Box st.
766433.1607	50 g	6

Magnesium standard dissolved in oil Mg=1000±5 µg/g ICP

NC: 3822 00 00
HAZARDOUS:
Xn
R: 63 S: 36/37
1l~0,85kg 1kg~1,18l

Order code	Package	Units/Box st.
766434.1607	50 g	6

Lead standard dissolved in oil Pb=1000±5 µg/g ICP

NC: 3822 00 00
HAZARDOUS:
Xn
R: 63 S: 36/37
1l~0,85kg 1kg~1,18l

Order code	Package	Units/Box st.
766436.1607	50 g	6

Nickel standard dissolved in oil Ni=1000±5 µg/g ICP

NC: 3822 00 00
HAZARDOUS:
Xn
R: 63 S: 36/37
1l~0,85kg 1kg~1,18l

Order code	Package	Units/Box st.
766435.1607	50 g	6

Phosphorus standard dissolved in oil P=1000±5 µg/g ICP

NC: 3822 00 00
HAZARDOUS:
Xn R: 22 S: 25
1l~0,85kg 1kg~1,18l

Order code	Package	Units/Box st.
766432.1607	50 g	6

Potassium standard dissolved in oil K=1000±5 µg/g ICP

NC: 3822 00 00
HAZARDOUS:
Xn R: 63 S: 36/37
1l~0,85kg 1kg~1,18l

Order code	Package	Units/Box st.
766437.1607	50 g	6

Sodium standard dissolved in oil Na=1000±5 µg/g ICP

NC: 3822 00 00
HAZARDOUS:
Xn R: 63 S: 36/37
1l~0,85kg 1kg~1,18l

Order code	Package	Units/Box st.
766438.1607	50 g	6

Sulphur standard dissolved in oil S=1000±5 µg/g ICP

NC: 3822 00 00
1l~0,85kg 1kg~1,18l

Order code	Package	Units/Box st.
766440.1607	50 g	6

Zinc standard dissolved in oil Zn=1000±5 µg/g ICP

NC: 3822 00 00
HAZARDOUS:
Xn R: 64 S: 36/37
1l~0,85kg 1kg~1,18l

Order code	Package	Units/Box st.
766439.1607	50 g	6

STANDARDS FOR IONIC CHROMATOGRAPHY

Ammonium standard solution NH_4=1,000±0,002 g/l IC

(NH_4Cl in H_2O) for ionic chromatography
NC: 3822 00 00
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
784241.1210	500 ml	6

Barium standard solution Ba=1,000±0,002 g/l IC

($BaCl_2.2H_2O$ in H_2O) for ionic chromatography
NC: 3822 00 00
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
786347.1210	500 ml	6

Bromide standard solution Br=1,000±0,002 g/l IC

(KBr in H_2O) for ionic chromatography
NC: 3822 00 00
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
784239.1210	500 ml	6

Calcium standard solution Ca=1,000±0,002 g/l IC

($CaCl_2.2H_2O$ in H_2O) for ionic chromatography
NC: 3822 00 00
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
786345.1210	500 ml	6

Chloride standard solution Cl=1,000±0,002 g/l IC

(KCl in H_2O) for ionic chromatography
NC: 3822 00 00
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
784238.1210	500 ml	6

Chromate standard solution CrO_4=1,000±0,002 g/l IC

(K_2CrO_4 in H_2O) for ionic chromatography
NC: 3822 00 00 UN: 3287
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:
T R: 49-46 S: 53-45-60-61
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
786326.1210	500 ml	6

Fluoride standard solution F=1,000±0,002 g/l IC

(NaF in H_2O) for ionic chromatography
NC: 3822 00 00
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
786328.1210	500 ml	6

Lithium standard solution Li=1,000±0,002 g/l IC

(LiCl in H_2O) for ionic chromatography
NC: 3822 00 00
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
786348.1210	500 ml	6

Magnesium standard solution Mg=1,000±0,002 g/l IC

($MgCl_2.6H_2O$ in H_2O) for ionic chromatography
NC: 3822 00 00
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
786346.1210	500 ml	6

Manganese standard solution Mn=1,000±0,002 g/l IC

($Mn(NO_3)_2.4H_2O$ in H_2O) for ionic chromatography
NC: 3822 00 00
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
786350.1210	500 ml	6

Nitrate standard solution NO_3=1,000±0,002 g/l IC

(KNO_3 in H_2O) for ionic chromatography
NC: 3822 00 00
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
784237.1210	500 ml	6

Nitrite standard solution NO_2=1,000±0,002 g/l IC

($NaNO_2$ in H_2O) for ionic chromatography
NC: 3822 00 00
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
786327.1210	500 ml	6

Nitrogen standard solution N=1,000±0,002 g/l IC

(NH_4Cl in H_2O) for ionic chromatography
NC: 3822 00 00
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
786325.1210	500 ml	6

Phosphate standard solution PO_4=1,000±0,002 g/l IC

($NaNH_4HPO_4.4H_2O$ in H_2O) for ionic chromatography
NC: 3822 00 00
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
784236.1210	500 ml	6

Potassium standard solution K=1,000±0,002 g/l IC

(KCl in H_2O) for ionic chromatography
NC: 3822 00 00
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
784242.1210	500 ml	6

Sodium standard solution Na=1,000±0,002 g/l IC

(NaCl in H_2O) for ionic chromatography
NC: 3822 00 00
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
784243.1210	500 ml	6

Strontium standard solution Sr=1,000±0,002 g/l IC

($Sr(NO_3)_2$ in H_2O) for ionic chromatography
NC: 3822 00 00
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
786351.1210	500 ml	6

Sulphate standard solution SO_4=1,000±0,002 g/l IC

(Na_2SO_4 in H_2O) for ionic chromatography
NC: 3822 00 00
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
786329.1210	500 ml	6

Zinc standard solution Zn=1,000±0,002 g/l IC

($Zn(NO_3)_2.4H_2O$ in H_2O) for ionic chromatography
NC: 3822 00 00
1l~1,00kg 1kg~1,00l

Order code	Package	Units/Box st.
786349.1210	500 ml	6

STANDARD FOR OILS

Reference Standard for Olive Oil CRS

NC: 1509 90 00
1l~0,915kg 1kg~1,093l

Order code	Package	Units/Box st.
345411.1608	100 ml	6

STANDARDS REDOX

Redox Standard 220 mV (25°C) RS

NC: 3822 00 00
1l~1,004kg 1kg~0,996l
Composition:
Potassium Hexacyanoferrate(II) 3-hydrate ..... 4,3 g
Potassium Hexacyanoferrate(III) ..... 3,3 g
Buffer Solution pH 7,00 ..... 200 ml
Water s.q.m ..... 1000 ml
REDOX POTENTIAL VALUES DEPENDING ON TEMPERATURE
T(°C) ..... mV
10 245
15 236
20 228
25 220
30 212
35 204
40 195
50 178
60 160
70 142

Order code	Package	Units/Box st.
395443.1209	250 ml	6

Redox Standard 468 mV (25°C) RS

NC: 3822 00 00
1l~1,033kg 1kg~0,968l
Composition:
Iron(II) Sulphate 7-hydrate ..... 9,2 g
Iron(III) Sulphate x-hydrate ..... 9,3 g
Sulphuric Acid 96% ..... 18 ml
Water s.q.m ..... 1000 ml
REDOX POTENTIAL VALUES DEPENDING ON TEMPERATURE
T(°C) ..... mV
10 452
15 457
20 463
25 468
30 474
35 479
40 485
50 497
60 509
70 522

Order code	Package	Units/Box st.
395442.1209	250 ml	6

STANDARDS FOR SPECTROPHOTOMETRY

Standard for UV-VISible Spectrophotometry: solution for the absorbance control (Ph. Eur.) RS

NC: 3822 00 00
Content:
4 x 10 ml Standard ampoules
4 x 10 ml Reference ampoules

Order code	Package	Units/Box st.
395462.2590	8 x 10 ml	6

Standard for UV-VISible Spectrophotometry: solution for the control of the spectral resolution (Ph. Eur.) RS

NC: 3822 00 00 UN: 1208
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xn N
R: 11-38-48/20-51/53-62-65-67
S: 9-16-29-33-36/37-61-62
1l~0,661kg 1kg~1,513l
Content:
4 x 10 ml Standard ampoules
4 x 10 ml Reference ampoules

Order code	Package	Units/Box st.
395461.2590	8 x 10 ml	6

Standard for UV-VISible Spectrophotometry: solution for the stray light control (Ph. Eur.) RS

NC: 3822 00 00
1l~1,006kg 1kg~0,994l
Content:
8 x 10 ml Ampoules

Order code	Package	Units/Box st.
395460.2590	8 x 10 ml	6

Standard for UV-VISible Spectrophotometry: solution for the wavelength control (Ph. Eur.) RS

NC: 3822 00 00 UN: 3093
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
O C
R: 5-8-34 S: 23c-26-36-45
1l~1,112kg 1kg~0,899l
Content:
8 x 10 ml Ampoules

Order code	Package	Units/Box st.
396070.2590	8 x 10 ml	6

HIPERPUR

Reactivos para análisis de trazas metálicas.
Rango: PPB. Para AAS e ICP-OES
Reagents for analysis of metallic traces.
Range: PPB. For AAS and ICP-OES
Réactifs pour analyse des traces metalliques.
Range: PPB. Pour AAS et ICP-OES

STANDARDS FOR TURBIDITY

Turbidity Standard Solution A RS

for formazin primary standard
NC: 3822 00 00 UN: 3287
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:
T
R: 45-E24/25 S: 45-60
1l~1,006kg 1kg~0,994l
Composition:
Hidrazinium Sulphate ....1,0 g
Water s.q.m ....100 ml

Order code	Package	Units/Box st.
395464.1209	250 ml	6

Turbidity Standard Solution B RS

for formazin primary standard
NC: 3822 00 00
1l~1,021kg 1kg~0,979l
Composition:
Hexamethylenetetramine....10,0 g
Water s.q.m ....100 ml

Order code	Package	Units/Box st.
395465.1209	250 ml	6

STANDARDS FOR WATER

Karl Fischer Water Standard 1,00 mg/g RS

for coulometric titrations. 1 g contains 1,00±0,005 mg H_2O
NC: 3822 00 00
HAZARDOUS:
Xi
R: 10-36/37/38 S: 16-26-37/39
1l~1,000kg 1kg~1,000l

Order code	Package	Units/Box st.
395459.2527	10 x 10 ml	6

Karl Fischer Water Standard 10,0 mg/g RS

for volumetric titrations. 1 g contains 10,0±0,1 mg H_2O
NC: 3822 00 00 UN: 1993
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
F
R: 10-20/21-36/38 S: 16-25
1l~1,000kg 1kg~1,000l

Order code	Package	Units/Box st.
395458.2527	10 x 10 ml	6

STANDARDS FOR WINE

Reference Standard for Oenology (Red Wine) CRS

NC: 3822 00 00
1l~0,990kg 1kg~1,010l
SPECIFICATIONS:
DO NOT USE FOR ALIMENTARY PURPOSE

Order code	Package	Units/Box st.
345268.1610	500 ml	6

Reference Standard for Oenology (White Wine) CRS

NC: 3822 00 00
1l~0,990kg 1kg~1,010l
SPECIFICATIONS:
DO NOT USE FOR ALIMENTARY PURPOSE

Order code	Package	Units/Box st.
345271.1610	500 ml	6

Standard for Oenology (Methanol and Higher Alcohols) CRS

NC: 3822 00 00
1l~0,980kg 1kg~1,020l

Order code	Package	Units/Box st.
345269.0922	20 x 1 ml	6

Stannic

(see Tin(IV) compounds)

Stannous

(see Tin(II) compounds)

Starch from Potato soluble (Reag. USP, Ph. Eur.) PA

indicator for iodometry
$(C_6H_{10}O_5)_n$
M: (162,14)n CAS: 9005-84-9 EINECS: 232-686-4 NC: 3505 10 90
SPECIFICATIONS:
Identity....IR p/t.
pH of 2% solution 5,5-7,0
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O.... p/t.
Loss on drying at 100°C....13-20 %
Residue on ignition (as SO_4) .... 1,5 %
Reducing substances (as $C_6H_{12}O_6$) .... 0,7 %
Sensitivity as iodine reagent.... p/t.

Order code	Package	Units/Box st.
121096.1210	500 g	6
121096.1211	1000 g	6
121096.0914	5 kg	4
121096.0416	25 kg	

STARCH SOLUTIONS

Starch solution 1% RV

indicator for iodometry
$(C_6H_{10}O_5)n$
M: (162,14)n CAS: 9005-84-9 EINECS: 232-686-4 NC: 3505 10 90
1l~1,003kg 1kg~0,997l
SPECIFICATIONS:
Sensitivity as iodine reagent.... p/t.

Order code	Package	Units/Box st.
283146.1209	250 ml	6

Starch solution 1% VINIKIT

for determination of sulphurous gas (SO_2) in wine
$(C_6H_{10}O_5)n$
M: (162,14)n CAS: 9005-84-9 EINECS: 232-686-4 NC: 3505 10 90
1l~1,003kg 1kg~0,997l
SPECIFICATIONS:
Sensitivity as iodine reagent.... p/t.

Order code	Package	Units/Box st.
623146.1208	100 ml	6
623146.1210	500 ml	6

Starch solution 2% VINIKIT

for determination of reducing sugar in wine, according to Rebelein method (see also Rebelein's Kit)
$(C_6H_{10}O_5)n$
M: (162,14)n CAS: 9005-84-9 EINECS: 232-686-4 NC: 3505 10 90
1l~1,021kg 1kg~0,979l
SPECIFICATIONS:
Sensitivity as iodine reagent.... p/t.

Order code	Package	Units/Box st.
624567.1210	500 ml	6

Stearic Acid 95 (USP-NF, BP, Ph. Eur.) PRS-CODEX

$C_{18}H_{36}O_2$
M: 284,49 CAS: 57-11-4 EINECS: 200-313-4 NC: 2915 70 25
SPECIFICATIONS:
Minimum assay (G.C. as methyl ester) (stearic + palmitic acids).. 96,0 %
Minimum assay (G.C. as methyl ester) (stearic acid) .... 90,0 %
Identity according to Pharmacopoeias .... p/t.
Melting range.... 66-69°C
MAXIMUM LIMIT OF IMPURITIES
Appearance of substance .... p/t.
Residue on ignition (as SO_4) .... 0,1 %
Mineral acids .... p/t.
Neutral fats or paraffins.... p/t.
Residual solvents (Ph.Eur./USP).... p/t.
Acidity value 195-200
Iodine value 1,5
Heavy metals (as Pb)....0,001 %
Ni .... 0,0001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142590.1210	500 g	6
142590.1211	1000 g	6
142590.0914	5 kg	4
142590.0416	25 kg	

Stearic Acid, 98% PS

$C_{18}H_{36}O_2$
M: 284,49 CAS: 57-11-4 EINECS: 200-313-4 NC: 2915 70 25
SPECIFICATIONS:
Minimum assay (G.C. as methyl ester)....98 %
Identity....IR p/t.
Melting range.... 67-70°C

Order code	Package	Units/Box st.
162590.1210	500 g	6
162590.1211	1000 g	6

Stearic Acid 50 (fatty acids mixture) (USP-NF, BP, Ph. Eur.) PRS-CODEX

CAS: 57-11-4 EINECS: 200-313-4 NC: 2915 70 25

SPECIFICATIONS:

Minimum assay (G.C. as methyl ester) (stearic + palmitic acids) .... 90,0 %
Assay (G.C. as methyl ester) (stearic acid) .... 40,0-60,0 %
Minimum assay (G.C. as methyl ester) (palmitic acid) .... 40 %
Melting point .... 54-59°C

MAXIMUM LIMIT OF IMPURITIES

Appearance of the substance .... p/t.
Residue on ignition (as SO_4) .... 0,1 %
Mineral acids .... p/t.
Neutral fats or paraffins .... p/t.
Residual solvents (Ph.Eur./USP) .... p/t.
Acidity value 200-212
Iodine value 4,0
Heavy metals (as Pb) .... 0,001 %
Ni .... 0,0001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142512.1211	1000 g P	6
142512.0914	5 kg PP	
142512.0416	25 kg	

Stearic Acid 50 (fatty acids mixture) (F.C.C.) ADITIO

CAS: 57-11-4 EINECS: 200-313-4 NC: 2915 70 25

SPECIFICATIONS:

Solidification point .... 54,5-69°C
Residue on ignition, not more than .... 0,1 %
Unsaponifiable matter, not more than .... 1,5 %
Acidity value 196-211
Saponification value 197-212
Iodine value 7
Water, not more than .... 0,2 %
Lead, not more than .... 2 ppm
Specifications F.C.C. 6

Order code	Package	Units/Box st.
202512.0914	5 kg PP	

Stearic Acid Magnesium Salt

(see Magnesium Stearate)

Stearic Acid Methyl Ester

(see Methyl Stearate)

Stearic Acid Sodium Salt

(see Sodium Stearate)

Stearyl Alcohol, 96% PS

$CH_3(CH_2)_{17}OH$

M: 270,48 CAS: 112-92-5 EINECS: 204-017-6 NC: 2905 17 00

Minimum assay (G.C.) .... 96 %
Identity .... IR p/t.
Melting range .... 57-60°C

Order code	Package	Units/Box st.
15A705.1209	250 g P	6
15A705.1211	1000 g P	6

STRONTIUM SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Strontium Carbonate PRS

$SrCO_3$

M: 147,63 CAS: 1633-05-2 EINECS: 216-643-7 NC: 2836 92 00

SPECIFICATIONS:

Assay (Compl.) .... 98 %
Insoluble matter in CH_3COOH .... 0,025 %
Chloride (Cl) .... 0,02 %
Phosphate (PO_4) .... 0,005 %
Cu .... 0,002 %
Fe .... 0,002 %
Ni .... 0,002 %
Pb .... 0,002 %

Order code	Package	Units/Box st.
141306.1210	500 g P	6
141306.1211	1000 g P	6
141306.0914	5 kg PP	

Strontium Chloride 6-hydrate PRS

$SrCl_2.6H_2O$

M: 266,62 CAS: 10025-70-4 EINECS: 233-971-6 NC: 2827 39 85

SPECIFICATIONS:

Assay (Compl.) 98,0-103,0%
pH of 5% solution 5-7
Insoluble matter in H_2O .... 0,01 %
Sulphate (SO_4) .... 0,005 %
Ca .... 0,01 %
Cu .... 0,002 %
Fe .... 0,002 %
Ni .... 0,002 %
Pb .... 0,002 %

Order code	Package	Units/Box st.
141307.1210	500 g P	6
141307.1211	1000 g P	6
141307.0914	5 kg PP	
141307.0416	25 kg PP	

Strontium Fluoride PRS

SrF_2

M: 125,62 CAS: 7783-48-4 EINECS: 232-000-3 NC: 2826 19 90

HAZARDOUS:

Xn

R: 20/21/22 S: 36

SPECIFICATIONS:

Assay (Compl.) .... 98 %
Carbonate .... p/t.
Chloride (Cl) .... 0,01 %
Cu .... 0,002 %
Fe .... 0,002 %
Ni .... 0,002 %
Pb .... 0,002 %

Order code	Package	Units/Box st.
142230.1210	500 g P	6

Strontium Hydroxide 8-hydrate PRS

$Sr(OH)_2.8H_2O$

M: 265,76 CAS: 1311-10-0 EINECS: 242-367-1 NC: 2816 40 00

HAZARDOUS:

C

R: 34 S: 26-36/37/39-45

SPECIFICATIONS:

Assay (Compl.) .... 99 %
Insoluble matter in HCl .... 0,01 %
Chloride (Cl) .... 0,005 %
Sulphide (S) .... 0,001 %
Cu .... 0,002 %
Fe .... 0,002 %
Ni .... 0,002 %
Pb .... 0,002 %

Order code	Package	Units/Box st.
141309.1211	1000 g P	6
141309.0914	5 kg PP	

Strontium Nitrate PA-ACS

$Sr(NO_3)_2$

M: 211,63 CAS: 10042-76-9 EINECS: 233-131-9 NC: 2834 29 80 UN: 1507
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518

HAZARDOUS:

O

R: 8

SPECIFICATIONS:

Minimum assay (Compl.) .... 99,0 %
pH of 5% solution 5,0-7,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O .... 0,01 %
Loss on drying at 105°C .... 0,1 %
Chloride (Cl) .... 0,002 %
Sulphate (SO_4) .... 0,005 %
Heavy metals (as Pb) .... 0,0005 %
Ba .... 0,05 %
Ca .... 0,05 %
Cu .... 0,0005 %
Fe .... 0,0002 %
K .... 0,05 %
Mg .... 0,05 %
Na .... 0,05 %
Ni .... 0,0005 %
Pb .... 0,0005 %

Order code	Package	Units/Box st.
131310.1209	250 g P	6
131310.1211	1000 g P	6
131310.1214	5 kg P	4

Strontium Nitrate PRS

$Sr(NO_3)_2$

M: 211,63 CAS: 10042-76-9 EINECS: 233-131-9 NC: 2834 29 80 UN: 1507
IMDG: 5.1/III ADR: 5.1/III IATA: 5.1/III PAX: 516 CAO: 518
HAZARDOUS:

O

R: 8

SPECIFICATIONS:

Assay (Compl.)	98 %
Insoluble matter in H_2O	0,025 %
Acidity (as HNO_3)	0,01 %
Chloride (Cl)	0,005 %
Sulphate (SO_4)	0,02 %
Cu	0,002 %
Fe	0,005 %
Ni	0,002 %
Pb	0,002 %

Order code	Package	Units/Box st.
141310.1210	500 g	6
141310.1211	1000 g	6
141310.0914	5 kg	

Strontium Oxalate 1-hydrate PRS

$Sr(COO)_2.H_2O$

M: 193,65 CAS: 814-95-9 EINECS: 212-415-6 NC: 2917 11 00
SPECIFICATIONS:

Assay (Compl.)	98 %
Insoluble matter in HCl	0,05 %
Carbonate	p/t.
Chloride (Cl)	0,01 %
Cu	0,003 %
Fe	0,005 %
Mg	0,05 %
Ni	0,003 %

Order code	Package	Units/Box st.
141311.1210	500 g	6
141311.0914	5 kg	

Strontium Sulphate PRS

$SrSO_4$

M: 183,68 CAS: 7759-02-6 EINECS: 231-850-2 NC: 2833 29 90
SPECIFICATIONS:

Assay (Compl.)	98 %
Acidity and alkalinity	p/t.
Chloride (Cl)	0,005 %
Cu	0,002 %
Fe	0,002 %
Ni	0,002 %
Pb	0,002 %

Order code	Package	Units/Box st.
141312.1211	1000 g	6
141312.0914	5 kg	

Styrene, 99% stabilized with 4-tert-Butyl Pyrocatechol PS

C_8H_8

M: 104,15 CAS: 100-42-5 EINECS: 202-851-5 NC: 2902 50 00 UN: 2055
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn

R: 10-20-36/38 S: 23b CE: 601-026-00-0

1l~0,910kg 1kg~1,01l

SPECIFICATIONS:

Minimum assay (G.C)	99 %
Density at 20/4	0,904-0,908
Water (H_2O)	0,05 %

Order code	Package	Units/Box st.
15A780.1611	1000 ml	6
15A780.1612	2,5 l	4
15A780.1714	5 l	4

Succinic Acid (Reag. USP, Ph. Eur.) PA-ACS

$HOOCCH_2CH_2COOH$

M: 118,09 CAS: 110-15-6 EINECS: 203-740-4 NC: 2917 19 90
HAZARDOUS:

Xi

R: 36 S: 26

SPECIFICATIONS:

Minimum assay (Acidim.)	99,5 %
Identity	IR p/t.
Melting range	185,0-187°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O	0,005 %
Residue on ignition	0,02 %
Nitrogen compounds (as N)	0,001 %
Chloride (Cl)	0,001 %
Phosphate (PO_4)	0,001 %
Sulphate (SO_4)	0,003 %
Heavy metals (as Pb)	0,0005 %
As	0,0001 %
Ca	0,005 %
Cd	0,0005 %
Co	0,0005 %
Cu	0,0005 %
Fe	0,0005 %
Mg	0,005 %
Mn	0,0005 %
Ni	0,0005 %
Pb	0,0005 %
Zn	0,0005 %

Order code	Package	Units/Box st.
131883.1209	250 g	6

Succinic Acid (E-363, F.C.C.) ADITIO

$HOOCCH_2CH_2COOH$

M: 118,09 CAS: 110-15-6 EINECS: 203-740-4 NC: 2917 19 90
HAZARDOUS:

Xi

R: 36 S: 26

SPECIFICATIONS:

Assay (as $C_4H_6O_4$)	99,0-100,5%
Melting Range	185,0-190,0°C
Residue on Ignition, not more than	0,025 %
Arsenic, not more than	3 ppm
Mercury, not more than	1 ppm
Lead, not more than	2 ppm

Specifications Dir. 2008/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
201883.1214	5 kg	4
201883.0416	25 kg	

Succinic Acid, 99% PS

$HOOCCH_2CH_2COOH$

M: 118,09 CAS: 110-15-6 EINECS: 203-740-4 NC: 2917 19 90
HAZARDOUS:

Xi

R: 36 S: 26

SPECIFICATIONS:

Minimum assay (Acidim.)	99 %
Identity	IR p/t.
Melting range	185-188°C

Order code	Package	Units/Box st.
161883.1210	500 g	6
161883.1211	1000 g	6
161883.1214	5 kg	4

Succinic Anhydride, 99% PS

$C_4H_4O_3$

M: 100,07 CAS: 108-30-5 EINECS: 203-570-0 NC: 2917 19 90
HAZARDOUS:

Xi

R: 36/37 S: 25 CE: 607-103-00-5

SPECIFICATIONS:

Minimum assay (Acidim.)	99 %
Identity	IR p/t.
Melting range	117-119°C

Order code	Package	Units/Box st.
15A714.1209	250 g	6
15A714.1211	1000 g	6

Succinimide, 99% PS

$C_4H_5NO_2$

M: 99,09 CAS: 123-56-8 EINECS: 204-635-6 NC: 2925 19 95
SPECIFICATIONS:

Minimum assay (Acidim.)	99 %
Identity	IR p/t.
Melting range	122-125°C

Order code	Package	Units/Box st.
15A870.1209	250 g	6
15A870.1211	1000 g	6

Sucrose
(see Saccharose)

Sudan III (C.I. 26100) DC
for microscopy, fatty acids and neutral fats staining in faeces
$C_{22}H_{16}N_4O$
M: 352,40 CAS: 85-86-9 EINECS: 201-638-4 NC: 3204 16 00
SPECIFICATIONS:
Identity....IR p/t.
λ of max. ABS in C_6H_6 .... 508-512 nm
A 1%, 1 cm, λmax....>750
Ratio λmax. P ± 15 nm.... 0,94-1,01
T.L.C .... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 135°C....2 %

Order code	Package	Units/Box st.
251731.1606	25 g	6
251731.1608	100 g	6

Sudan IV (C.I. 26105) DC
for microscopy, fatty acids and neutral fats staining in faeces
$C_{24}H_{20}N_4O$
M: 380,45 CAS: 85-83-6 EINECS: 201-635-8 NC: 3204 16 00
SPECIFICATIONS:
Identity....IR p/t.
λ of max. ABS in C_6H_6 .... 519-523 nm
A 1%, 1 cm, λmax....>600
Ratio λmax. P±15 nm.... 0,97-1,01
T.L.C .... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 135°C....3 %

Order code	Package	Units/Box st.
251858.1606	25 g	6

Sudan Black B (C.I. 26150) DC
for microscopy, fat staining
$C_{29}H_{24}N_6$
M: 456,55 CAS: 4197-25-5 EINECS: 224-087-1 NC: 3204 16 00
SPECIFICATIONS:
Identity....IR p/t.
λ of max. ABS in C_2H_5OH .... 596-605 nm
A 1%; 1 cm; λmax....>390
Ratio λmax. P ± 15 nm.... 0,98-1,02
T.L.C .... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 105°C....1 %

Order code	Package	Units/Box st.
252069.1606	25 g	6
252069.1608	100 g	6

Sulphamic Acid (Reag. USP, Ph. Eur.) PA-ACS
H_3NO_3S
M: 97,07 CAS: 5329-14-6 EINECS: 226-218-8 NC: 2811 19 80 UN: 2967
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:
Xi
R: 36/38-52/53 S: 26-28a-61 CE: 016-026-00-0
SPECIFICATIONS:
Assay (Acidim.) a.d.s ....99,5-100,3 %
Identity....IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O.... 0,01 %
Residue on ignition.... 0,01 %
Chloride (Cl).... 0,001 %
Sulphate (SO_4) .... 0,05 %
Heavy metals (as Pb).... 0,001 %
Cu .... 0,001 %
Fe.... 0,0005 %
Ni .... 0,001 %
Pb .... 0,001 %

Order code	Package	Units/Box st.
131056.1210	500 g	6
131056.1211	1000 g	6
131056.1214	5 kg	4
131056.0416	25 kg	

Sulphamic Acid, 99% PS
H_3NO_3S
M: 97,07 CAS: 5329-14-6 EINECS: 226-218-8 NC: 2811 19 80 UN: 2967
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:
Xi
R: 36/38-52/53 S: 26-28a-61 CE: 016-026-00-0
SPECIFICATIONS:
Minimum assay (Acidim.)....99 %
Identity....IR p/t.

Order code	Package	Units/Box st.
161056.1211	1000 g	6

Sulphan Blue
(see Disulphine Blue)

Sulphanilamide (Reag. Ph. Eur.) PA
$C_6H_8N_2O_2S$
M: 172,21 CAS: 63-74-1 EINECS: 200-563-4 NC: 2935 00 90
SPECIFICATIONS:
Minimum assay (HPLC) .... 99,0 %
Identity....IR p/t.
Melting range.... 164-167°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in HCl .... p/t.
Insoluble matter in NaOH .... p/t.
Residue on ignition (as SO_4) .... 0,05 %
Water (H_2O) .... 0,5 %
Chloride (Cl).... 0,005 %
Sulphate (SO_4) .... 0,01 %
Cd .... 0,0005 %
Co .... 0,0005 %
Cr .... 0,0005 %
Cu .... 0,0005 %
Fe.... 0,0005 %
Mn .... 0,0005 %
Ni .... 0,0005 %
Pb .... 0,0005 %
Zn .... 0,0005 %

Order code	Package	Units/Box st.
122823.1208	100 g	6

Sulphanilamide (Ph. Fr., DAB) PRS-CODEX
$C_6H_8N_2O_2S$
M: 172,21 CAS: 63-74-1 EINECS: 200-563-4 NC: 2935 00 90
SPECIFICATIONS:
Assay (HPLC) calc. a.d.s ....99-101 %
Identity....IR p/t.
Melting range.... 164-167°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in HCl .... p/t.
Insoluble matter in NaOH .... p/t.
Loss on drying at 105°C.... 0,5 %
Residue on ignition (as SO_4) .... 0,1 %
Residual solvents (Ph.Eur./USP).... p/t.
Acidity.... p/t.
Chloride (Cl).... 0,01 %
Sulphate (SO_4) .... 0,02 %
Heavy metals (as Pb).... 0,002 %

Order code	Package	Units/Box st.
142823.1210	500 g	6
142823.1211	1000 g	6
142823.0914	5 kg	

Sulphanilic Acid (Reag. Ph. Eur.) PA-ACS
$C_6H_7NO_3S$
M: 173,19 CAS: 121-57-3 EINECS: 204-482-5 NC: 2921 42 10
HAZARDOUS:
Xi
R: 36/38-43 S: 24-37 CE: 612-014-00-X
SPECIFICATIONS:
Assay (Acidim.) 99,5-102,0%
Identity....IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in Na_2CO_3.... 0,01 %
Residue on ignition.... 0,01 %
Sensitivity to NO_2.... p/t.
Chloride (Cl).... 0,002 %
Nitrite (NO_2).... 0,00005 %
Sulphate (SO_4) .... 0,01 %
Heavy metals (as Pb).... 0,001 %
Ca .... 0,001 %
Cd .... 0,0005 %
Co .... 0,0005 %
Cr .... 0,0005 %
Cu .... 0,0005 %
Fe.... 0,0005 %
K .... 0,005 %
Mg .... 0,0005 %
Mn .... 0,0005 %
Na .... 0,005 %
Ni .... 0,0005 %
Pb .... 0,0005 %
Zn .... 0,0005 %

Order code	Package	Units/Box st.
131057.1209	250 g	6
131057.1211	1000 g	6
131057.0914	5 kg	
131057.0416	25 kg	

Sulphanilic Acid PRS

$C_6H_7NO_3S$

M: 173,19 CAS: 121-57-3 EINECS: 204-482-5 NC: 2921 42 10

HAZARDOUS:

Xi

R: 36/38-43 S: 24-37 CE: 612-014-00-X

SPECIFICATIONS:

Assay (Acidim.) ..... 99 %
Identity ..... IR p/t.
Insoluble matter in Na_2CO_3 ..... 0,05 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,05 %

Order code	Package	Units/Box st.
141057.1209	250 g	6
141057.1211	1000 g	6
141057.0914	5 kg	
141057.0416	25 kg	

Sulphanilic Acid, 99% PS

$C_6H_7NO_3S$

M: 173,19 CAS: 121-57-3 EINECS: 204-482-5 NC: 2921 42 10

HAZARDOUS:

Xi

R: 36/38-43 S: 24-37 CE: 612-014-00-X

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
151057.1208	100 g	6
151057.1210	500 g	6

SULPHATE SOLUTIONS

(see Standards for Atomic Absorption and Ionic Chromatography)

5-Sulphosalicylic Acid 2-hydrate (Reag. Ph. Eur.) PA-ACS

$C_7H_6O_6S.2H_2O$

M: 254,22 CAS: 5965-83-3 EINECS: 202-555-6 NC: 2918 29 10 UN: 3261

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823

HAZARDOUS:

Xi

R: 36/38 S: 26

SPECIFICATIONS:

Assay (Acidim.) 99,0-101,0%
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Residue on ignition (as SO_4) ..... 0,1 %
Salicilic acid ($C_7H_6O_3$) ..... 0,04 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,02 %
Water (H_2O) ..... 15 %
Heavy metals (as Pb) ..... 0,002 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
132838.1209	250 g	6
132838.1211	1000 g	6

SULPHUR SOLUTIONS

(see Standards for ICP)

Sulphur precipitated (RFE, BP, Ph. Eur., DAB) PRS-CODEX

for external use

S

M: 32,06 CAS: 7704-34-9 EINECS: 231-722-6 NC: 2802 00 00 UN: 1350

IMDG: 4.1/III ADR: 4.1/III IATA: 4.1/III PAX: 419 CAO: 420

SPECIFICATIONS:

Assay 99,0-101,0%
Identity according to Pharmacopoeias ..... p/t.
Melting range ..... 118-120°C

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Odour ..... p/t.
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Acidity or alkalinity ..... p/t.
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
Sulphide ..... p/t.
Water (H_2O) ..... 0,5 %
Arsenic and selenium (as As) ..... 0,0002 %

Order code	Package	Units/Box st.
141163.1210	500 g	6
141163.1211	1000 g	6
141163.0914	5 kg	
141163.0416	25 kg	

Sulphur sublimated (USP) PRS-CODEX

S

M: 32,06 CAS: 7704-34-9 EINECS: 231-722-6 NC: 2802 00 00 UN: 1350

IMDG: 4.1/III ADR: 4.1/III IATA: 4.1/III PAX: 419 CAO: 420

SPECIFICATIONS:

Assay (a.d.s.) 99,5-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Solubility in Carbon Disulphide ..... p/t.
Residue on ignition (as SO_4) ..... 0,5 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Acidity (as H_2SO_4) ..... 0,2 %
Sulphide ..... p/t.
As ..... 0,0004 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141164.1210	500 g	6
141164.1211	1000 g	6
141164.0914	5 kg	
141164.0416	25 kg	

Sulphur Trioxide-Pyridine (Complex) PS

$C_5H_5NO_3S$

M: 159,16 CAS: 26412-87-3 EINECS: 247-683-3 NC: 2942 00 00

HAZARDOUS:

Xn

R: 22-36/37/38 S: 24/25-26-45

SPECIFICATIONS:

Assay (SO_3) ..... ≥ 45 %

Order code	Package	Units/Box st.
15A720.1608	100 g	6

PANREAC SINTESIS

Intermedios para síntesis
Synthesis intermediates
Intermédiaires de synthèse

Sulphuric Acid 93-98% (TMA) HIPERPUR-PLUS

H_2SO_4

M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 1830
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

R: 35 S: 26-30-45 CE: 016-020-00-8

1l~1,84kg 1kg~0,54l

SPECIFICATIONS:

Assay (Acidim.) ..... 93-98 %

MAXIMUM LIMIT OF IMPURITIES

Metals by ICP (ppt)

Ag	50	Hf	10	Sc	10
Al	50	Hg	100	Se	500
As	500	Ho	10	Sm	10
Ba	10	In	10	Sn	50
Be	10	K	50	Sr	10
Bi	10	La	10	Tb	10
Ca	50	Li	10	Te	50
Cd	10	Lu	10	Th	10
Ce	10	Mg	50	Ti	50
Co	10	Mn	10	Tl	10
Cr	10	Mo	10	Tm	10
Cs	10	Na	50	U	10
Cu	10	Nb	10	V	10
Dy	10	Nd	10	W	10
Er	10	Ni	50	Y	10
Eu	10	Pb	10	Yb	10
Fe	50	Pr	10	Zn	50
Ga	10	Rb	10	Zr	10
Gd	10	Rh	50		
Ge	100	Sb	50		

Analysis Type:

Ag	5	Hg	50	Sc	5
Al	30	Ho	0,1	Se	500
As	500	In	1	Sm	0,1
Ba	10	K	50	Sn	50
Be	5	La	1	Sr	1
Bi	1	Li	10	Ta	20
Ca	50	Lu	0,1	Tb	0,1
Cd	1	Mg	10	Te	10
Ce	0,1	Mn	1	Th	0,1
Co	1	Mo	10	Ti	50
Cr	10	Na	30	Tl	1
Cs	1	Nb	1	Tm	0,1
Cu	5	Nd	0,1	U	0,1
Dy	0,1	Ni	20	V	5
Er	0,1	Pb	5	W	5
Eu	0,1	Pd	10	Y	1
Fe	30	Pr	0,1	Yb	0,1
Ga	1	Pt	10	Zn	20
Gd	0,1	Rb	1	Zr	5
Ge	100	Rh	1		
Hf	0,1	Sb	10		

Order code	Package	Units/Box st.
711058.0009	250 ml	6
711058.0010	500 ml	6

Sulphuric Acid 93-98% (TMA) HIPERPUR

H_2SO_4

M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 1830
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

R: 35 S: 26-30-45 CE: 016-020-00-8

1l~1,84kg 1kg~0,54l

SPECIFICATIONS:

Assay (Acidim.) ..... 93-98 %

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Reducing substances to $KMnO_4$ ..... 0,002 %
Chloride (Cl) ..... 0,00007 %
Nitrate (NO_3) ..... 0,00002 %
Total phosphorus ..... 0,000005 %

Metals by ICP (ppb)

Ag	1	Ge	1	Sb	1
Al	1	Hf	0,1	Sc	0,1
As	0,5	Hg	0,1	Se	10
Au	0,5	Ho	0,1	Sm	0,1
Ba	0,1	In	0,1	Sn	1
Be	0,1	K	1	Sr	0,5
Bi	0,1	La	0,1	Tb	0,1
Ca	1	Li	0,5	Te	0,1
Cd	0,5	Lu	0,1	Th	0,1
Ce	0,1	Mg	1	Ti	1
Co	0,5	Mn	0,5	Tl	0,1
Cr	0,5	Mo	0,5	Tm	0,1
Cs	0,1	Na	1	U	0,1
Cu	0,5	Nb	0,1	V	0,5
Dy	0,1	Nd	0,1	W	0,5
Er	0,1	Ni	0,5	Y	0,1
Eu	0,1	Pb	0,1	Yb	0,1
Fe	1	Pr	0,1	Zn	1
Ga	0,1	Rb	0,5	Zr	0,5
Gd	0,1	Rh	0,5		

Analysis Type:

Ag	0,1	Hf	0,1	Sb	1
Al	0,5	Hg	0,1	Sc	0,1
As	0,5	Ho	0,1	Se	5
Au	0,1	In	0,1	Sm	0,1
Ba	0,1	K	0,5	Sn	0,1
Be	0,1	La	0,1	Sr	0,1
Bi	0,1	Li	0,1	Ta	0,5
Ca	0,5	Lu	0,1	Tb	0,1
Cd	0,1	Mg	0,1	Te	0,1
Ce	0,1	Mn	0,5	Th	0,1
Co	0,1	Mo	0,1	Ti	0,5
Cr	0,1	Na	0,5	Tl	0,1
Cs	0,1	Nb	0,1	Tm	0,1
Cu	0,1	Nd	0,1	U	0,1
Dy	0,1	Ni	0,1	V	0,1
Er	0,1	Pb	0,1	W	0,5
Eu	0,1	Pd	0,5	Y	0,1
Fe	0,5	Pr	0,1	Yb	0,1
Ga	0,1	Pt	0,5	Zn	0,2
Gd	0,1	Rb	0,1	Zr	0,1
Ge	0,1	Rh	0,1		

Order code	Package	Units/Box st.
721058.0010	500 ml	6
721058.0011	1000 ml	6
721058.0012	2,5 l	4

PA

PA-ACS-ISO

Reactivos para análisis
Analytical Reagents
Réactifs pour analyse

Sulphuric Acid 96% (VLSI) EG

H_2SO_4

M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 1830
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 35 S: 26-30-45 CE: 016-020-00-8
1l~1,84kg 1kg~0,54l
SPECIFICATIONS:

Assay ..... 95,0-97,0 %

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,0003 %
Reducing substances to $KMnO_4$ ..... 0,0001 %
Chloride (Cl) ..... 0,00001 %
Phosphate (PO_4) ..... 0,00005 %
Nitrate (NO_3) ..... 0,00002 %
Ammonia ..... 0,0002 %
0,5 µm particles ..... 250 /ml

Metals by ICP [µg/Kg (ppb)]

Ag	10	Co	10	Na	50
Al	50	Cr	10	Ni	10
As	10	Cu	10	Pb	10
Au	10	Fe	50	Sb	10
B	20	Ga	10	Sn	20
Ba	10	K	50	Sr	20
Be	10	Li	10	Ti	20
Bi	20	Mg	20	V	10
Ca	50	Mn	10	Zn	20
Cd	10	Mo	10	Zr	10

Order code	Package	Units/Box st.
871058.1212	2,5 l	4

Sulphuric Acid 96% (MOS) EG

H_2SO_4

M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 1830
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 35 S: 26-30-45 CE: 016-020-00-8
1l~1,84kg 1kg~0,54l
SPECIFICATIONS:

Assay ..... 95,0-97,0 %

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,0005 %
Reducing substances to $KMnO_4$ ..... 0,0001 %
Chloride (Cl) ..... 0,00002 %
Phosphate (PO_4) ..... 0,00005 %
Nitrate (NO_3) ..... 0,00002 %
Ammonia ..... 0,0002 %
0,5 µm particles* ..... 1000 /ml

Metals by ICP [µg/Kg (ppb)]

Ag	20	Co	20	Na	100
Al	50	Cr	20	Ni	50
As	10	Cu	20	Pb	20
Au	50	Fe	200	Sb	20
B	50	Ga	20	Sn	50
Ba	20	K	50	Sr	50
Be	10	Li	20	Ti	20
Bi	20	Mg	50	V	20
Ca	200	Mn	10	Zn	50
Cd	50	Mo	20		

*Indicative value

Order code	Package	Units/Box st.
861058.1212	2,5 l	4

Sulphuric Acid 95-98% (max. 0,0000005% Hg) PA-ACS-ISO

H_2SO_4

M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 1830
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 35 S: 26-30-45 CE: 016-020-00-8
1l~1,84kg 1kg~0,54l
SPECIFICATIONS:

Assay (Acidim.) ..... 95,0-98,0 %

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Residue on ignition ..... 0,0005 %
Reducing substances to $KMnO_4$ (as SO_2) ..... 0,0002 %
Suitability for COD determination according to UNE 77-004-89 ..... p/t.
Chloride (Cl) ..... 0,00001 %
Phosphate (PO_4) ..... 0,00005 %
Nitrate (NO_3) ..... 0,00002 %
Ammonium (NH_4) ..... 0,0002 %
Heavy metals (as Pb) ..... 0,0001 %
Hg 0,0000005%

Metals by ICP [mg/Kg (ppm)]

Ag	0,02	Cu	0,01	Pb	0,02
Al	0,05	Fe	0,1	Pt	0,1
As	0,01	Ga	0,05	Sb	0,01
Au	0,1	Ge	0,02	Si	0,1
B	0,05	In	0,05	Sn	0,05
Ba	0,05	K	0,1	Sr	0,02
Be	0,02	Li	0,02	Ti	0,02
Bi	0,05	Mg	0,05	Tl	0,02
Ca	0,2	Mn	0,01	V	0,01
Cd	0,02	Mo	0,02	Zn	0,05
Co	0,02	Na	0,5	Zr	0,02
Cr	0,05	Ni	0,02		

Order code	Package	Units/Box st.
471058.1611	1000 ml	6
471058.1612	2,5 l	4

Sulphuric Acid 96% PA-ISO

H_2SO_4

M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 1830
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C

R: 35 S: 26-30-45 CE: 016-020-00-8
1l~1,84kg 1kg~0,54l
SPECIFICATIONS:

Minimum assay (Acidim.) ..... 95,0 %

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Residue on ignition ..... 0,0005 %
Reducing substances to $KMnO_4$ (as SO_2) ..... 0,0002 %
Suitability for COD determination according to UNE 77-004-89 ..... p/t.
Chloride (Cl) ..... 0,00002 %
Phosphate (PO_4) ..... 0,00005 %
Nitrate (NO_3) ..... 0,00002 %
Ammonium (NH_4) ..... 0,0002 %
Heavy metals (as Pb) ..... 0,0001 %
Ag ..... 0,000002 %
Al ..... 0,000005 %
As ..... 0,000001 %
Be ..... 0,000002 %
Ca ..... 0,00002 %
Cd ..... 0,000002 %
Co ..... 0,000002 %
Cr ..... 0,000005 %
Cu ..... 0,000001 %
Fe ..... 0,00001 %
K ..... 0,00001 %
Li ..... 0,000002 %
Mg ..... 0,000005 %
Mn ..... 0,000001 %
Na ..... 0,00005 %
Ni ..... 0,000002 %
Pb ..... 0,000002 %
Sr ..... 0,000002 %
Zn ..... 0,000005 %

Order code	Package	Units/Box st.
131058.1611	1000 ml	6
131058.1211	1000 ml	6
131058.2211	1000 ml	6
131058.1612	2,5 l	4
131058.1212	2,5 l	4
131058.2212	2,5 l	4
131058.1214	5 l	4
131058.0716	25 l	
131058.0718	60 l	
131058.0719	200 l	

Sulphuric Acid 98% (UNE-EN 899) PA

H_2SO_4

M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 1830
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

R: 35 S: 26-30-45 CE: 016-020-00-8
1l~1,84kg 1kg~0,54l
SPECIFICATIONS:

Assay (Acidim.) w/w	98±1 %
MAXIMUM LIMIT OF IMPURITIES	
Sulphur Dioxide (SO_2)	100 mg/Kg
As	0,4 mg/Kg
Cd	0,1 mg/Kg
Cr	4 mg/Kg
Fe	100 mg/Kg
Hg	0,1 mg/Kg
Ni	4 mg/Kg
Pb	4 mg/Kg
Sb	1 mg/Kg
Se	1 mg/Kg

Order code	Package	Units/Box st.
123163.0716	25 l	

Sulphuric Acid 95-98% (USP-NF, BP, Ph. Eur.) PRS-CODEX

H_2SO_4

M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 1830
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

R: 35 S: 26-30-45 CE: 016-020-00-8
1l~1,84kg 1kg~0,54l
SPECIFICATIONS:

Assay (Acidim.)	95,0-98,0 %
Identity according to Pharmacopoeias	p/t.
MAXIMUM LIMIT OF IMPURITIES	
Appearance of solution	p/t.
Residue on ignition	0,002 %
Residual solvents (Ph.Eur./USP)	p/t.
Reducing substances to $KMnO_4$	p/t.
Chloride (Cl)	0,001 %
Nitrate	p/t.
Ammonium (NH_4)	0,001 %
Heavy metals (as Pb)	0,0005 %
As	0,0001 %
Cu	0,0005 %
Fe	0,0001 %
Ni	0,0005 %
Pb	0,0005 %

Complies USP 29 specifications

Order code	Package	Units/Box st.
141058.1611	1000 ml	6
141058.1211	1000 ml	6
141058.1612	2,5 l	4
141058.1212	2,5 l	4
141058.1214	5 l	4
141058.0716	25 l	
141058.0718	60 l	

Sulphuric Acid 95-98% (F.C.C.) ADITIO

H_2SO_4

M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 1830
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

R: 35 S: 26-30-45 CE: 016-020-00-8
1l~1,84kg 1kg~0,54l
SPECIFICATIONS:

Assay (Acidim.)	95,0-98,0 %
Arsenic (as As), not more than	3 ppm
Chloride, not more than	0,005 %
Iron, not more than	0,002 %
Lead, not more than	5 ppm
Nitrate, not more than	10 ppm
Reducing substances (as SO_2)	0,004 %
Selenium, not more than	0,002 %
Residue on ignition, not more than	0,02 %
Mercury, not more than	1 ppm

Specifications F.C.C. 6

Order code	Package	Units/Box st.
201058.1214	5 l	
201058.0716	25 l	

Sulphuric Acid 96% QP

H_2SO_4

M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 1830
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

R: 35 S: 26-30-45 CE: 016-020-00-8
1l~1,84kg 1kg~0,54l
SPECIFICATIONS:

Assay (Acidim.)	96 %
Fe	0,01 %
Pb	0,01 %

Order code	Package	Units/Box st.
211058.1611	1000 ml	6
211058.1211	1000 ml	6
211058.1214	5 l	4
211058.0716	25 l	
211058.0718	60 l	
211058.0719	200 l	

Sulphuric Acid 98% RE

for determination of N

H_2SO_4

M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 1830
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

R: 35 S: 26-30-45 CE: 016-020-00-8
1l~1,84kg 1kg~0,54l
SPECIFICATIONS:

Minimum assay (Acidim.)	98± 1 %
MAXIMUM LIMIT OF IMPURITIES	
Residue on ignition	0,0005 %
Nitrogen compounds (as N)	0,0005 %

Order code	Package	Units/Box st.
173163.1611	1000 ml	6
173163.1612	2,5 l	4
173163.1214	5 l	
173163.0716	25 l	

Sulphuric Acid 90-91% acc. to Gerber PA

for determination of fat in milk

H_2SO_4

M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 1830
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

R: 35 S: 26-30-45 CE: 016-020-00-8
1l~1,823kg 1kg~0,549l
SPECIFICATIONS:

Assay (Acidim.)	90-91 %
Density at 20/4	1,815-1,821
MAXIMUM LIMIT OF IMPURITIES	
Nitrate (NO_3)	0,00005 %
Suitability for fatty determination, according to Gerber	p/t.

Order code	Package	Units/Box st.
121010.1611	1000 ml	6
121010.1211	1000 ml	6
121010.1612	2,5 l	4
121010.1212	2,5 l	4
121010.1214	5 l	4
121010.0716	25 l	

SV

Soluciones valoradas
Volumetric solutions
Solutions volumétriques

Sulphuric Acid 25% PA

H_2SO_4

M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 2796
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C
R: 35 S: 26-30-45 CE: 016-020-00-8
1l~1,181kg 1kg~0,846l
SPECIFICATIONS:
Minimum assay (Acidim.).....25 %
MAXIMUM LIMIT OF IMPURITIES
APHA colour.....10
Residue on ignition.....0,0005 %
Reducing substances to $KMnO_4$ (as SO_2).....0,0002 %
Chloride (Cl).....0,00002 %
Phosphate (PO_4).....0,00005 %
Nitrate (NO_3).....0,00002 %
Ammonium (NH_4).....0,0002 %
Heavy metals (as Pb).....0,0001 %
Ag.....0,000002 %
Al.....0,000005 %
As.....0,000001 %
Be.....0,000002 %
Ca.....0,00002 %
Cd.....0,000002 %
Co.....0,000002 %
Cr.....0,000005 %
Cu.....0,000001 %
Fe.....0,00001 %
K.....0,00001 %
Li.....0,000002 %
Mg.....0,000005 %
Mn.....0,000001 %
Na.....0,00005 %
Ni.....0,000002 %
Pb.....0,000002 %
Sr.....0,000002 %
Zn.....0,000005 %

Order code	Package	Units/Box st.
122448.1211	1000 ml	6

Sulphuric Acid d(20)=1,522±0,005 according to Van Gulik RE

for determination of fat in cheese
H_2SO_4

M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 1830
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C
R: 35 S: 26-30-45 CE: 016-020-00-8
1l~1,522kg 1kg~0,657l
SPECIFICATIONS:
Density at 20/4 1,517-1,527

Order code	Package	Units/Box st.
173253.1611	1000 ml	6

SULPHURIC ACID SOLUTIONS

Sulphuric Acid solution 1/3 w/v VINIKIT

acid liquor for determination of sulphurous gas (SO_2) in wines
H_2SO_4

M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 2796
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C
R: 35 S: 26-30-45 CE: 016-020-00-8
1l~1,203kg 1kg~0,831l
Composition:
Sulphuric Acid 96%.....20 ml
Water s.q.m.....100 ml

Order code	Package	Units/Box st.
621062.1209	250 ml	6
621062.1210	500 ml	6
621062.1211	1000 ml	6

Sulphuric Acid solution 16% v/v VINIKIT

acid solution for determination of reducing sugars in wine, according to Rebelein method (see also Rebelein's Kit)
H_2SO_4

M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 2796
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C
R: 35 S: 26-30-45 CE: 016-020-00-8
1l~1,175kg 1kg~0,851l
Composition:
Sulphuric Acid 96%.....18 ml
Water s.q.m.....100 ml

Order code	Package	Units/Box st.
624570.1210	500 ml	6

Sulphuric Acid 1/3 mol/l (2/3N) DC

deproteinizer, Folin and Wu's method
H_2SO_4

M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 2796
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
1l~1,02kg 1kg~0,98l
Composition:
Sulphuric Acid 96%.....1,9 ml
Water s.q.m.....100 ml

Order code	Package	Units/Box st.
251063.1210	500 ml	6

Sulphuric Acid 0,01 mol/l (0,02N) SV

Indicator: Methyl Red
H_2SO_4

M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 2796
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
1l~1,001kg 1kg~0,999l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
182102.1211	1000 ml	6

Sulphuric Acid 0,025 mol/l (0,05N) SV

Indicator: Methyl Red
H_2SO_4

M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 2796
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
1l~1,000kg 1kg~1,000l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
182103.1211	1000 ml	6

Sulphuric Acid 0,05 mol/l (0,1N) SV

Indicator: Methyl Red
H_2SO_4

M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 2796
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
1l~1,002kg 1kg~0,998l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
181061.1211	1000 ml	6
181061.1212	2,5 l	4
181061.1214	5 l	4
181061.1315	10 l	(*)

Sulphuric Acid 0,05 mol (4,904g H_2SO_4) to prepare 1l of 0,1N solution SVc

H_2SO_4

M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 2796
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

Xi
R: 36/38 S: 26 CE: 016-020-00-8
SPECIFICATIONS:
Titer .....1,000 ±0,002

Order code	Package	Units/Box st.
303114.1920	1 ampoule	6

(*) Sol-Pack pack with tap

Sulphuric Acid 0,1 mol/l (0,2N) SV

Indicator: Methyl Red
H_2SO_4
M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 2796
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
1l~1,005kg 1kg~0,995l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
182011.1211	1000 ml	6

Sulphuric Acid 0,1275 mol/l (0,255N) SV

for determination of raw fibre according to Weende. Indicator: Methyl Red
H_2SO_4
M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 2796
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
1l~1,011kg 1kg~0,989l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
183335.1211	1000 ml	6
183335.1214	5 l	4
183335.1315	10 l	(*)

Sulphuric Acid 0,13 mol/l (0,26N) RE

for determination of raw fibre according to ISO 6865:2000
H_2SO_4
M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 2796
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
1l~1,011kg 1kg~0,989l
SPECIFICATIONS:
Concentration.....0,13±0,005 mol/l

Order code	Package	Units/Box st.
176191.1211	1000 ml	6
176191.1214	5 l	4

Sulphuric Acid 0,25 mol/l (0,5N) SV

Indicator: Methyl Red
H_2SO_4
M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 2796
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
1l~1,016kg 1kg~0,984l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
181060.1211	1000 ml	6
181060.1212	2,5 l	4
181060.1315	10 l	(*)

Sulphuric Acid 0,5 mol/l (1N) SV

Indicator: Methyl Red
H_2SO_4
M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 2796
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
1l~1,030kg 1kg~0,971l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
181059.1211	1000 ml	6
181059.1212	2,5 l	4
181059.1214	5 l	4
181059.1315	10 l	(*)
181059.0716	25 l	

Sulphuric Acid 0,5 mol (49,039g H_2SO_4) to prepare 1l of 1N solution SVc

H_2SO_4
M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 2796
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C
R: 35 S: 26-30-45 CE: 016-020-00-8
SPECIFICATIONS:
Titer .....1,000 ±0,002

Order code	Package	Units/Box st.
303115.1920	1 ampoule	6

Sulphuric Acid 1 mol/l (2N) SV

Indicator: Methyl Red
H_2SO_4
M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 2796
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
Xi
R: 36/38 S: 26 CE: 016-020-00-8
1l~1,06kg 1kg~0,94l
SPECIFICATIONS:
Titer .....1,000 ±0,001

Order code	Package	Units/Box st.
182105.1211	1000 ml	6

Sulphuric Acid 2,5 mol/l (5N) SV

Indicator: Methyl Red
H_2SO_4
M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 2796
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C
R: 35 S: 26-30-45 CE: 016-020-00-8
1l~1,15kg 1kg~0,87l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
182106.1211	1000 ml	6

Sulphuric Acid 4 mol/l (8N) SV

for determination of COD according to NFT 90-101/ISO 6060:1989/UNE 77-004-02
H_2SO_4
M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 2796
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C
R: 35 S: 26-30-45 CE: 016-020-00-8
1l~1,234kg 1kg~0,810l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
185314.1211	1000 ml	6

Sulphuric Acid 5 mol/l (10N) SV

Indicator: Methyl Red.
H_2SO_4
M: 98,08 CAS: 7664-93-9 EINECS: 231-639-5 NC: 2807 00 10 UN: 2796
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
C
R: 35 S: 26-30-45 CE: 016-020-00-8
1l~1,291kg 1kg~0,775l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
186364.1211	1000 ml	6
186364.1315	10 l	(*)

Sulphuric Acid Diethyl Ester

(see Diethyle Sulphate)

Sulphuric Acid Dimethyl Ester

(see Dimethyl Sulphate)

Sulphuric Ether

(see Diethyl Ether)

(*) Sol-Pack pack with tap

Sulphurous Acid solution 6% PA-ACS

H_2SO_3

M: 82,08 CAS: 7782-99-2 EINECS: 231-973-1 NC: 2811 19 80 UN: 1833
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

Xn

R: 20-36/37/38 S: 26
1l~1,03kg 1kg~0,97l
SPECIFICATIONS:
Minimum assay (as SO_2) (Iodom.) ..... 6,0 %
MAXIMUM LIMIT OF IMPURITIES
Residue on ignition ..... 0,005 %
Chloride (Cl) ..... 0,0005 %
Heavy metals (as Pb) ..... 0,0002 %
Metals by ICP [mg/Kg (ppm)]

Ag	0,02	Fe	0,5	Pt	0,1
Al	0,05	Ga	0,05	Sb	0,02
As	0,5	Ge	0,02	Si	0,1
Au	0,1	Hg	0,1	Sn	0,05
B	0,05	In	0,05	Sr	0,02
Ba	0,05	K	0,1	Ti	0,05
Be	0,02	Li	0,02	Tl	0,02
Bi	0,05	Mn	0,02	V	0,02
Cd	0,05	Mo	0,02	Zn	0,2
Co	0,02	Na	2	Zr	0,05
Cr	0,02	Ni	0,02		
Cu	0,05	Pb	0,02		

Order code	Package	Units/Box st.
131064.1611	1000 ml	6
131064.0716	25 l	

Sulphuryl Chloride, 98% PS

Cl_2O_2S

M: 134,97 CAS: 7791-25-5 EINECS: 232-245-6 NC: 2812 10 99 UN: 1834
IMDG: 8/I ADR: 8/I IATA: 8/- PAX: P CAO: P
HAZARDOUS:

C

R: 14-34-37 S: 26-45 CE: 016-016-00-6
1l~1,666kg 1kg~0,600l
SPECIFICATIONS:
Minimum assay (Acidim.) ..... 98 %
Density at 20/4 1,664-1,668

Order code	Package	Units/Box st.
15A871.1611	1000 ml	6

Supplements for Microbiology

(see chapter CULTIMED products)

Surfactant Determination Indicator

(see Indicator, Mixed (Dimidium Bromide-Disulphine Blue))

Sweet Almonds Oil QP

NC: 3301 90 90
1l~0,917kg 1kg~1,091l
SPECIFICATIONS:
Identity ..... IR p/t.
Density at 20/4 0,914-0,920

Order code	Package	Units/Box st.
212805.1609	250 ml	6
212805.1611	1000 ml	6
212805.1214	5 l	4
212805.0716	25 l	

Tablets, wide spectrum

(see Wide spectrum Microtablets)

Talc washed (RFE, BP, Ph. Eur.) PRS-CODEX

$3MgO.4SiO_2.H_2O$

M: 379,29 CAS: 14807-96-6 EINECS: 238-877-9 NC: 2526 20 00
SPECIFICATIONS:
Identity according to Pharmacopoeias ..... p/t.
pH 7,0-9,0
MAXIMUM LIMIT OF IMPURITIES
Loss on ignition ..... 6,5 %
Loss on drying ..... 1,0 %
Residual solvents (Ph.Eur./USP) ..... p/t
Soluble matter in H_2O ..... 0,2 %
Acidity or alkalinity ..... p/t.
Acidity or alkalinity (according to Ph. Eur.) ..... p/t.
Asbestos ..... p/t.
Organic substances ..... p/t.
Carbonate ..... p/t.
Chloride (Cl) ..... 0,014 %
Heavy metals (as Pb) ..... 0,004 %
Total aerobic microbial count (TAMC) ..... 1000 cfu/g
Total combined yeast and moulds (TYMC) ..... 100 cfu/g
Al ..... 2,0 %
As ..... 0,0003 %
Ca ..... 0,9 %
Fe ..... 0,25 %
Mg ..... 17,0-19,5 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141733.1210	500 g	6
141733.1211	1000 g	6
141733.0914	5 kg	
141733.0416	25 kg	

Talc washed (E-553b, F.C.C.) ADITIO

$3MgO.4SiO_2.H_2O$

M: 379,29 CAS: 14807-96-6 EINECS: 238-877-9 NC: 2526 20 00
SPECIFICATIONS:
Acid-soluble substances (as SO_4), not more than ..... 2,5 %
Arsenic (as As), not more than ..... 3 ppm
Free alkali (as NaOH), not more than ..... 1 %
Lead, not more than ..... 5 ppm
Loss on drying, not more than ..... 0,5 %
Loss on ignition, not more than ..... 6,0 %
Soluble salts, not more than ..... 0,2 %
Iron soluble in acid ..... p/t.
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201733.0914	5 kg	
201733.0416	25 kg	

Tannic Acid PA-ACS

CAS: 1401-55-4 EINECS: 215-753-2 NC: 3201 90 90
SPECIFICATIONS:
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in water ..... p/t.
Loss on drying at 105°C ..... 12,0 %
Residue on ignition (as SO_4) ..... 0,5 %
Sugars and Dextrin ..... p/t.
Heavy metals (as Pb) ..... 0,003 %
Metals by ICP [mg/Kg (ppm)]
As 3
Cu 20
Ni 20
Pb 20
Zn 50

Order code	Package	Units/Box st.
131065.1209	250 g	6

Tannic Acid (RFE, USP, BP, Ph. Eur.) PRS-CODEX

CAS: 1401-55-4 EINECS: 215-753-2 NC: 3201 90 90
SPECIFICATIONS:
Identity according to Pharmacopoeias ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Loss on drying at 105°C ..... 12,0 %
Residue on ignition (as SO_4) ..... 0,1 %
Gum, dextrin, salts and sugars ..... p/t.
Organic volatile impurities ..... p/t
Resinous substances ..... p/t.
Heavy metals (as Pb) ..... 0,004 %
As ..... 0,0003 %
Cu ..... 0,003 %
Ni ..... 0,003 %
Pb ..... 0,003 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141065.1209	250 g	6
141065.1210	500 g	6
141065.0914	5 kg	
141065.0416	25 kg	

Tannic Acid (F.C.C.) ADITIO

CAS: 1401-55-4 EINECS: 215-753-2 NC: 3201 90 90

SPECIFICATIONS:

Assay calc. a.d.s.s, not more than ..... 96 %
Arsenic (as As), not more than ..... 3 ppm
Gum or dextrin ..... p/t.
Heavy metals (as Pb), not more than ..... 0,002 %
Lead, not more than ..... 2 ppm
Loss on drying, not more than ..... 7,0 %
Residue on ignition, not more than ..... 1,0 %
Resinous substances ..... p/t.
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201065.0914	5 kg PP	

Tannine

(see Tannic Acid)

TANTALUM SOLUTIONS

(see Standards for ICP)

TAPS

(see N-[Tris (Hydroxymethyl) Methyl] 3-Aminopropanesulphonic Acid)

TAPSO

(see 2-Hydroxy-N-[Tris (Hydroxymethyl) Methyl] 3-Aminopropanesulphonic Acid)

D(-)-Tartaric Acid, 99% PS

$CO_2HCH(OH)CH(OH)CO_2H$

M: 150,08 CAS: 147-71-7 EINECS: 205-695-6 NC: 2918 12 00

HAZARDOUS:

Xi **R: 36 S: 24/25**

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
15A239.1606	25 g	6
15A239.1608	100 g	6

L(+)-Tartaric Acid PA-ACS-ISO

$(CHOH)_2(COOH)_2$

M: 150,09 CAS: 87-69-4 EINECS: 201-766-0 NC: 2918 12 00

HAZARDOUS:

Xi **R: 36 S: 24/25**

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99,5 %
Identity ..... IR p/t.
Specific rotation $[\alpha]^{20}$/D c=10 (in H_2O) ..... +12,0 to+13,0°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 105°C ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,01 %
Chloride (Cl) ..... 0,0005 %
Phosphate (PO_4) ..... 0,001 %
Oxalate (C_2O_4) ..... 0,03 %
Sulphur compounds (as SO_4) ..... 0,002 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,00002 %
Ca ..... 0,002 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Mg ..... 0,002 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
131066.1210	500 g P	6
131066.1211	1000 g P	6
131066.1214	5 kg P	4
131066.0416	25 kg PP	

L(+)-Tartaric Acid PRS

$(CHOH)_2(COOH)_2$

M: 150,09 CAS: 87-69-4 EINECS: 201-766-0 NC: 2918 12 00

HAZARDOUS:

Xi **R: 36 S: 24/25**

SPECIFICATIONS:

Assay (Acidim.) calc. a.d.s. ..... 99,5 %
Specific rotation $[\alpha]^{20}$/D c=20 (in H_2O) ..... +12,0 to +12,8°
Insoluble matter in H_2O ..... 0,005 %
Loss on drying at 105°C ..... 0,2 %
Residue on ignition (as SO_4) ..... 0,1 %
Chloride (Cl) ..... 0,003 %
Phosphate (PO_4) ..... 0,005 %
Sulphate (SO_4) ..... 0,015 %
As ..... 0,0001 %
Ca ..... 0,02 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Mg ..... 0,02 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
141066.1210	500 g P	6
141066.1211	1000 g P	6
141066.1214	5 kg P	4
141066.0416	25 kg PP	

L(+)-Tartaric Acid (RFE, USP-NF, BP, Ph. Eur.) CODEX

$(CHOH)_2(COOH)_2$

M: 150,09 CAS: 87-69-4 EINECS: 201-766-0 NC: 2918 12 00

HAZARDOUS:

Xi **R: 36 S: 24/25**

Assay (Acidim.) calc. a.d.s. 99,7-100,5%
Identity according to Pharmacopoeias ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=20 (in H_2O) ..... +12,0 to +12,8°

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Loss on drying at 105°C ..... 0,2 %
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Chloride (Cl) ..... 0,01 %
Oxalate (C_2O_4) ..... 0,03 %
Sulphate (SO_4) ..... 0,015 %
Heavy metals (as Pb) ..... 0,001 %
Ca ..... 0,02 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
191066.1214	5 kg P	4
191066.0416	25 kg PP	

L(+)-Tartaric Acid (E-334, F.C.C.) ADITIO

$(CHOH)_2(COOH)_2$

M: 150,09 CAS: 87-69-4 EINECS: 201-766-0 NC: 2918 12 00

HAZARDOUS:

Xi **R: 36 S: 24/25**

SPECIFICATIONS:

Assay (as $C_4H_6O_6$) after drying 99,7-100,5%
Loss on drying, not more than ..... 0,5 %
Melting range ..... 168-170°C
Oxalate (as Oxalic Ac.) a.d.s, not more than ..... 0,01 %
Residue on ignition, not more than ..... 0,05 %
Specific rotation $[\alpha]^{20}$/D ..... +12,0 to +13,0°
Sulphate ..... p/t.
Lead, not more than ..... 2 ppm
Heavy metals (as Pb), not more than ..... 10 ppm
Mercury (Hg), not more than ..... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
201066.1214	5 kg P	4
201066.0416	25 kg PP	

L(+)-Tartaric Acid QP

$(CHOH)_2(COOH)_2$

M: 150,09 CAS: 87-69-4 EINECS: 201-766-0 NC: 2918 12 00

HAZARDOUS:

Xi **R: 36 S: 24/25**

SPECIFICATIONS:

Assay (Acidim.) ..... 99 %

Order code	Package	Units/Box st.
211066.1214	5 kg P	4

L(+)-Tartaric Acid Diethyl Ester

(see Diethyl L(+)-Tartrate)

Tartrazine (C.I. 19140) DC

for microscopy, celular body inclusion
$C_{16}H_9N_4Na_3O_9S_2$
M: 534,37 CAS: 1934-21-0 EINECS: 217-699-5 NC: 3212 90 90
SPECIFICATIONS:
Identity.....IR p/t.
λ of max. ABS in H_2O ..... 421-427 nm
A 1%, 1 cm, λmax.....>400
Ratio λmax P ± 15 nm..... 0,96-1,05
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 135°C..... 15 %

Order code	Package	Units/Box st.
251734.1606	25 g	6
251734.1608	100 g	6

Tartrazine solution 0,5 % w/v RE

for Specified Risk Material staining
$C_{16}H_9N_4Na_3O_9S_2$
M: 534,37 CAS: 1934-21-0 EINECS: 217-699-5 NC: 3822 00 00
1l~1,005kg 1kg~0,995l
Composition:
Tartrazine (C.I. 19140).....0,5 g
Water s.q.m. .....100 ml

Order code	Package	Units/Box st.
175631.1214	5 l	4

Taurine, 99% PS

$H_2NCH_2CH_2SO_3H$
M: 125,14 CAS: 107-35-7 EINECS: 203-483-8 NC: 2921 19 80
SPECIFICATIONS:
Assay..... 99 %
Identity.....IR p/t.

Order code	Package	Units/Box st.
15B871.1208	100 g	6
15B871.1210	500 g	6

TBAB

(see Tetrabutylammonium Bromide)

TBAH

(see Tetrabutylammonium Hydroxide)

TBHP

(see tert-Butyl Hydroperoxide)

TCA

(see Trichloroacetic Acid)

TEA

(see Triethanolamine)

TELLURIUM SOLUTIONS

(see Standards for ICP)

TERBIUM SOLUTIONS

(see Standards for ICP)

γ-Terpinene, 95% PS

$C_{10}H_{16}$
M: 136,24 CAS: 99-85-4 EINECS: 202-794-6 NC: 2902 19 10 UN: 2319
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
Xi
R: 10-36/37/38 S: 26-36
1l~0,844kg 1kg~1,184l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 95 %
Identity.....IR p/t.
Density at 20/4 0,845-0,850

Order code	Package	Units/Box st.
15A582.1611	1000 ml	6
15A582.0314	5 l	4

α-Terpineol, 70% PS

$C_{10}H_{18}O$
M: 154,25 CAS: 98-55-5 EINECS: 202-680-6 NC: 2906 19 00
1l~0,933kg 1kg~1,072l
SPECIFICATIONS:
Assay (as α-Terpineol) (G.C.)..... 70 %
Assay (as $C_{10}H_{18}O$) (G.C.) ..... 97 %
Refractive index..... 1,4800-1,4855
Density at 20/4 0,931-0,935

Order code	Package	Units/Box st.
15A585.1609	250 ml	6
15A585.1611	1000 ml	6

TES

(see N-[Tris (Hydroxymethyl) Methyl] 2-Aminoethanesulphonic Acid)

3,3',5,5'-Tetrabromo m-Cresolsulphonphthalein

(see Bromocresol Green)

1,1,2,2-Tetrabromoethane PRS

$Br_2CHCHBr_2$
M: 345,67 CAS: 79-27-6 EINECS: 201-191-5 NC: 2903 39 19 UN: 2504
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:
T+
R: 26-36-52/53 S: 24-27-45-61 CE: 602-016-00-9
1l~2,950kg 1kg~0,339l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity.....IR p/t.
Density at 20/4 2,935-2,966
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
141735.1611	1000 g	6
141735.1614	5 kg	4

1,1,2,2-Tetrabromoethane, 98,5% PS

$Br_2CHCHBr_2$
M: 345,67 CAS: 79-27-6 EINECS: 201-191-5 NC: 2903 39 19 UN: 2504
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:
T+
R: 26-36-52/53 S: 24-27-45-61 CE: 602-016-00-9
1l~2,950kg 1kg~0,339l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98,5 %
Identity.....IR p/t.
Density at 20/4 2,935-2,966
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
151735.1609	250 g	6
151735.1611	1000 g	6

3',3",5',5"-Tetrabromophenolphthalein Ethyl Ester Potassium Salt PA

pH indicator in non aqueous medium 3,0 yellow 4,2 blue
$C_{22}H_{13}Br_4KO_4$
M: 700,08 CAS: 62637-91-6 EINECS: 263-661-6 NC: 2932 29 85
SPECIFICATIONS:
Identity.....IR p/t.
λ of max. ABS in CH_3OH ..... 596-600 nm
A 1%, 1cm, λmax.....>300
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C..... 5 %
Cu..... 0,005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
123605.1603	1 g	6

Tetrabutylammonium Borohydride, 97% PS

$C_{16}H_{40}BN$
M: 257,31 CAS: 33725-74-5 EINECS: 251-658-2 NC: 2942 00 00 UN: 2813
IMDG: 4.3/II ADR: 4.3/II IATA: 4.3/II PAX: 415 CAO: 417
HAZARDOUS:
F C
R: 15-34 S: 7/8-25-36/37/39-45
SPECIFICATIONS:
Minimum assay ..... 97 %

Order code	Package	Units/Box st.
15A474.1607	50 g	6

Tetrabutylammonium Bromide, 98% PS

$C_{16}H_{36}BrN$
M: 322,37 CAS: 1643-19-2 EINECS: 216-699-2 NC: 2923 90 00
SPECIFICATIONS:
Minimum assay (Arg.) ..... 98 %
Identity.....IR p/t.
Melting range..... 100-103°C

Order code	Package	Units/Box st.
15A874.1608	100 g	6
15A874.1610	500 g	6

Tetrabutylammonium Hexafluorophosphate, 98% PS

$(CH_3CH_2CH_2CH_2)_4N(PF_6)$

M: 387,43 CAS: 3109-63-5 EINECS: 221-472-6 NC: 2923 90 00

HAZARDOUS:

Xi **R: 36/37/38 S: 26-36**

SPECIFICATIONS:

Minimum assay ..... 98 %
Identity ..... IR p/t.
Melting range ..... 224-226 °C

Order code	Package	Units/Box st.
15A875.1206	25 g	6

Tetrabutylammonium Hydrogen Sulphate (HPLC) PAI

for ion pair chromatography

$C_{16}H_{37}NO_4S$

M: 339,54 CAS: 32503-27-8 EINECS: 251-068-5 NC: 2923 90 00

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99 %
Identity ..... IR p/t.
UV Spectrum (aqueous sol. 0,005M)
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	200	220
A (AU)	0,15	0,05
T (%)	70,8	89,13

Order code	Package	Units/Box st.
363622.1605	10 g	6
363622.1606	25 g	6

Tetrabutylammonium Hydrogen Sulphate, 98% PS

$C_{16}H_{37}NO_4S$

M: 339,54 CAS: 32503-27-8 EINECS: 251-068-5 NC: 2923 90 00

SPECIFICATIONS:

Minimum assay ..... 98 %
Identity ..... IR p/t.
Melting range ..... 169-172 °C

Order code	Package	Units/Box st.
153622.1208	100 g	6
153622.1210	500 g	6

TETRABUTYLAMMONIUM HYDROXIDE SOLUTIONS

Tetrabutylammonium Hydroxide aqueous solution 20% w/w PS

$C_{16}H_{37}NO$

M: 259,48 CAS: 2052-49-5 EINECS: 218-147-6 NC: 2923 90 00 UN: 2922

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

C T **R: 10-34-25 S: 16-26-36/37/39-45**

1l~0,99kg 1kg~1,01l

SPECIFICATIONS:

Minimum assay (Acidim.) (w/w) ..... 20 %
Density at 20/4 0,989-0,994

Order code	Package	Units/Box st.
15A876.1209	250 ml	6

Tetrabutylammonium Hydroxide 0,1 mol/l (0,1N) in 2-propanol/methanol (11:1) SV

$C_{16}H_{37}NO$

M: 259,48 CAS: 2052-49-5 NC: 3822 00 00 UN: 1992

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F T **R: 11-23/25-36-67 S: 7-16-24/25-26**

1l~0,793kg 1kg~1,261l

SPECIFICATIONS:

Titer ..... 1,000 ±0,001
Bottled with nitrogen.

Order code	Package	Units/Box st.
183669.1610	500 ml	6

Tetrabutylammonium Hydroxide 0,1 mol/l (0,1N) in toluene/methanol (9:1) SV

$C_{16}H_{37}NO$

M: 259,48 CAS: 2052-49-5 EINECS: 218-147-6 NC: 3822 00 00 UN: 1992

IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F T **R: 11-20/21/22-39/23/24/25 S: 7-16-24-45**

SPECIFICATIONS:

Titer ..... 1,000±0,001

Order code	Package	Units/Box st.
185225.1610	500 ml	6

Tetrabutylammonium Iodide, 98% PS

$C_{16}H_{36}IN$

M: 369,38 CAS: 311-28-4 EINECS: 206-220-5 NC: 2923 90 00

HAZARDOUS:

Xn **R: 22-36/37/38 S: 26-37/39**

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A235.1606	25 g	6
15A235.1608	100 g	6
15A235.1610	500 g	6

Tetrachloroauric Acid(III) 3-hydrate PA-ACS

$H(AuCl_4).3H_2O$

M: 393,83 CAS: 16961-25-4 EINECS: 240-948-4 NC: 2843 30 00 UN: 3260

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816

HAZARDOUS:

C **R: 34-43 S: 26-36/37/39-45**

SPECIFICATIONS:

Minimum assay (Au) ..... 49,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in $C_2H_5OC_2H_5$ ..... 0,1 %
Alkalis and other salts (as SO_4) ..... 0,2 %

Order code	Package	Units/Box st.
134432.1503	1 g	6

1,1,2,2-Tetrachloroethane, 98% PS

$CHCl_2HCCl_2$

M: 167,84 CAS: 79-34-5 EINECS: 201-197-8 NC: 2903 19 80 UN: 1702

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 610 CAO: 612

HAZARDOUS:

T+ N **R: 26/27-51/53 S: 38-45-61 CE: 602-015-00-3**

1l~1,594kg 1kg~0,627l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 1,594-1,596
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
164446.1609	250 ml	6
164446.1611	1000 ml	6

1,1,2,2-Tetrachloroethane-D2 deuteration degree min. 99,5% (NMR) PAI

$CDCl_2CDCl_2$

M: 169,86 CAS: 33685-54-0 EINECS: 251-634-1 NC: 2845 90 10 UN: 1702

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 610 CAO: 612

HAZARDOUS:

T+ N **R: 26/27-51/53 S: 38-45-61**

1l~1,62kg 1kg~0,62l

SPECIFICATIONS:

Deuteration degree min. ..... 99,5 %
NMR suitability ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Water (H_2O+D_2O) ..... 0,03 %

Order code	Package	Units/Box st.
745866.02130	10 x 0,75 ml	6
745866.1605	10 ml	6

1,1,2,2-Tetrachloroethane-Phenol

(see Phenol-1,1,2,2-Tetrachloroethane)

Tetrachloroethylene (UV-IR-HPLC-GPC) PAI

Cl_2CCl_2C

M: 165,83 CAS: 127-18-4 EINECS: 204-825-9 NC: 2903 23 00 UN: 1897
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 605 CAO: 612
HAZARDOUS:

Xn N **R: 40-51/53 S: 23c-36/37-61 CE: 602-028-00-4**
1l~1,622kg 1kg~0,617l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Density at 20/4 1,620-1,624
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non volatile matter ..... 0,0005 %
Acidity ..... 0,0005 meq/g
Alkalinity ..... 0,0004 meq/g
Water (H_2O) ..... 0,01 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	290 (Cut off)	295	300	305	350	400-500
A (AU)	1,000	0,301	0,097	0,071	0,051	0,027
T (%)	10	50	80	85	89	94

Fluorescence (as quinine):

λ (nm)	365
ppb	2

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361455.1611	1000 ml	6

Tetrachloroethylene PRS

Cl_2CCl_2C

M: 165,83 CAS: 127-18-4 EINECS: 204-825-9 NC: 2903 23 00 UN: 1897
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 605 CAO: 612
HAZARDOUS:

Xn N **R: 40-51/53 S: 23c-36/37-61 CE: 602-028-00-4**
1l~1,622kg 1kg~0,617l
SPECIFICATIONS:
Assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,620-1,624
Non-volatile matter ..... 0,005 %
Trichloromethane (G.C.) ..... 0,05 %
Trichloroethylene (G.C.) ..... 0,1 %
Acidity ..... 0,002 meq/g
Alkalinity ..... 0,002 meq/g
Water (H_2O) ..... 0,1 %
Chloride (Cl) ..... 0,001 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141455.1611	1000 ml	6
141455.1612	2,5 l	4
141455.1714	5 l	4
141455.0616	25 l	

Tetrachloroethylene, 99,5% PS

Cl_2CCl_2C

M: 165,83 CAS: 127-18-4 EINECS: 204-825-9 NC: 2903 23 00 UN: 1897
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 605 CAO: 612
HAZARDOUS:

Xn N **R: 40-51/53 S: 23c-36/37-61 CE: 602-028-00-4**
1l~1,622kg 1kg~0,617l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 1,620-1,624
Non-volatile matter ..... 0,005 %
Acidity (as HCl) ..... 0,005 %
Water (H_2O) ..... 0,02 %

Order code	Package	Units/Box st.
161455.1611	1000 ml	6
161455.1612	2,5 l	4
161455.1714	5 l	4
161455.0616	25 l	

Tetrachloromethane

(see Carbon Tetrachloride)

Tetradecanoic Acid

(see Myristic Acid)

Tetradecanoic Acid Methyl Ester

(see Methyl Myristate)

Tetraethylammonium Bromide, 99% PS

$C_8H_{20}BrN$

M: 210,16 CAS: 71-91-0 EINECS: 200-769-4 NC: 2923 90 00
HAZARDOUS:

Xi **R: 36/37/38 S: 26-37/39**
SPECIFICATIONS:
Minimum assay ..... 99 %

Order code	Package	Units/Box st.
15A206.1607	50 g	6
15A206.1609	250 g	6

Tetraethylrhodamine

(see Rhodamine B)

Tetrafluoroboric Acid 35% PA

HBF_4

M: 87,81 CAS: 16872-11-0 EINECS: 240-898-3 NC: 2811 19 80 UN: 1775
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C **R: 34 S: 26-27-45 CE: 009-010-00-X**
1l~1,26kg 1kg~0,79l
SPECIFICATIONS:
Minimum assay (Acidim.) ..... 35,0 %
MAXIMUM LIMIT OF IMPURITIES
Residue on ignition ..... 0,01 %
Free Hydrofluoric Acid (HF) ..... 0,02 %
Chloride (Cl) ..... 0,001 %
Sulphate (SO_4) ..... 0,005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
121027.1211	1000 ml	6
121027.0716	25 l	

1,2,3,4-Tetrahydrobenzene

(see Cyclohexene)

Tetrahydrofuran (UV-IR-HPLC-GPC) PAI

C_4H_8O

M: 72,11 CAS: 109-99-9 EINECS: 203-726-8 NC: 2932 11 00 UN: 2056
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-19-36/37 S: 16-29-33 CE: 603-025-00-0**
1l~0,890kg 1kg~1,124l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Density at 20/4 0,888-0,892
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non volatile matter ..... 0,0002 %
Peroxides (as H_2O_2) ..... 0,02 %*
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,02 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	215 (Cut off)	240	245	260	265	275	310-450
A (AU)	1,000	0,523	0,301	0,155	0,097	0,046	0,004
T (%)	10	30	50	70	80	90	99

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 4,0
Eluotropic value E°(Al_2O_3) 0,57
Sol. H_2O in solv. at 20°C ..... miscible
For critical jobs, purge with nitrogen.
*At the moment of the batch analysis

Order code	Package	Units/Box st.
361736.1611	1000 ml	6
361736.1612	2,5 l	4

Tetrahydrofuran dry (max. 0,0075% water) stabilized with ~300 ppm of BHT DS-ACS

C_4H_8O

M: 72,11 CAS: 109-99-9 EINECS: 203-726-8 NC: 2932 11 00 UN: 2056
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-19-36/37 S: 16-29-33 CE: 603-025-00-0**

1l~0,890kg 1kg~1,124l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,7 %
Identity ..... IR p/t.
Density at 20/4 0,888-0,892

MAXIMUM LIMIT OF IMPURITIES

APHA colour 20
Non-volatile matter ..... 0,03 %
Acetone (G.C.) ..... 0,05 %
1-Butanol (G.C.) ..... 0,05 %
1-Propanol (G.C.) ..... 0,05 %
2-Propanol (G.C.) ..... 0,05 %
Peroxides (as H_2O_2) ..... 0,015 %*
Acidity ..... 0,0005 meq/g
Water (H_2O) ..... 0,0075 %

*At the moment of the batch analysis

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
483537.1611	1000 ml	6

Tetrahydrofuran stabilized with ~300 ppm of BHT PA-ACS

C_4H_8O

M: 72,11 CAS: 109-99-9 EINECS: 203-726-8 NC: 2932 11 00 UN: 2056
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-19-36/37 S: 16-29-33 CE: 603-025-00-0**

1l~0,890kg 1kg~1,124l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,888-0,892

MAXIMUM LIMIT OF IMPURITIES

APHA colour 20
Non-volatile matter ..... 0,03 %
Acetone (G.C.) ..... 0,05 %
1-Butanol (G.C.) ..... 0,05 %
1-Propanol (G.C.) ..... 0,05 %
2-Propanol (G.C.) ..... 0,05 %
Peroxides (as H_2O_2) ..... 0,015 %*
Acidity ..... 0,0005 meq/g
Water (H_2O) ..... 0,05 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

*At the moment of the batch analysis

Order code	Package	Units/Box st.
133537.1611	1000 ml	6
133537.1612	2,5 l	4
133537.0314	5 l	4
133537.0316	25 l	

Tetrahydrofuran stabilized with ~300 ppm of BHT PRS

C_4H_8O

M: 72,11 CAS: 109-99-9 EINECS: 203-726-8 NC: 2932 11 00 UN: 2056
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-19-36/37 S: 16-29-33 CE: 603-025-00-0**

1l~0,890kg 1kg~1,124l

SPECIFICATIONS:

Assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,888-0,892
Non-volatile matter ..... 0,05 %
Water (H_2O) ..... 0,2 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
143537.1611	1000 ml	6
143537.1612	2,5 l	4
143537.0314	5 l	4
143537.0616	25 l	

Tetrahydrofuran, 99,5% stabilized with ~300 ppm of BHT PS

C_4H_8O

M: 72,11 CAS: 109-99-9 EINECS: 203-726-8 NC: 2932 11 00 UN: 2056
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-19-36/37 S: 16-29-33 CE: 603-025-00-0**

1l~0,890kg 1kg~1,124l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,888-0,892
Non-volatile matter ..... 0,03 %
Peroxides (as H_2O_2) ..... 0,05 %*
Water (H_2O) ..... 0,03 %

*At the moment of the batch analysis

Order code	Package	Units/Box st.
163537.1611	1000 ml	6
163537.1612	2,5 l	4
163537.1714	5 l	4
163537.0616	25 l	

Tetrahydrofuran-D8 deuteration degree min. 99,5% (NMR) PAI

C_4D_8O

M: 80,16 CAS: 1693-74-9 EINECS: 216-898-4 NC: 2845 90 10 UN: 2056
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xi **R: 11-19-36/37 S: 16-29-33**

1l~0,99kg 1kg~1,01l

SPECIFICATIONS:

Deuteration degree min. ..... 99,5 %
NMR suitability ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Water (H_2O+D_2O) ..... 0,05 %

Order code	Package	Units/Box st.
745867.02130	10 x 0,75 ml	6
745867.1605	10 ml	6

1,2,3,4-Tetrahydronaphthalene, 98% PS

$C_{10}H_{12}$

M: 132,21 CAS: 119-64-2 EINECS: 204-340-2 NC: 2902 90 90 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 914 CAO: 914
HAZARDOUS:

Xi N **R: 19-36/38-51/53 S: 26-28b-61 CE: 601-045-00-4**

1l~0,968kg 1kg~1,033l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,967-0,969

Order code	Package	Units/Box st.
15A587.1611	1000 ml	6

Tetrahydro-1,4-Oxazine

(see Morpholine)

Tetrahydropyrrol

(see Pyrrolidine)

(3aR, 4R, 7S, 7aS)-3a, 4, 7, 7a-Tetrahydro-2-(Trimethylsilyl)-4,7-Methano-1H-Inden-1-one

(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

(3aR*, 4R*, 7S*, 7aS*)-3a, 4, 7, 7a-Tetrahydro-2-(Trimethylsilyl)-4,7-Methano-1H-Inden-1-one

(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

(3aS, 4S, 7R, 7aR)-3a, 4, 7, 7a-Tetrahydro-2-(Trimethylsilyl)-4,7-Methano-1H-Inden-1-one

(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

Tetralin

(see 1,2,3,4-Tetrahydronaphthalene)

Tetramethylammonium Chloride, 98% PS

$C_4H_{12}ClN$

M: 109,60 CAS: 75-57-0 EINECS: 200-880-8 NC: 2923 90 00 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:

T N **R: 51-25 S: 45-37/39-28a-26-22**

SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15B060.1608	100 g	6

3,3',5,5'-Tetramethylbenzidine (Reag. Ph. Eur.) PA

$C_{16}H_{20}N_2$

M: 240,35 CAS: 54827-17-7 EINECS: 259-364-6 NC: 2921 59 90
SPECIFICATIONS:
Minimum assay (Perchl. Ac.) ..... 96,0 %
Identity ..... IR p/t.
Melting range ..... 166-170°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in CH_3COOH ..... p/t.
Loss on drying at 120°C ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,1 %
Chloride (Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,02 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
121080.1603	1 g	6

1,1,3,3-Tetramethyldisiloxane, 97% PS

$C_4H_{14}OSi_2$

M: 134,33 CAS: 3277-26-7 EINECS: 221-906-4 NC: 2931 00 95 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F **R: 11 S: 7/9-16**

1l~0,758kg 1kg~1,319l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 97 %
Density at 20/4 0,757-0,759

Order code	Package	Units/Box st.
15A586.1606	25 ml	6
15A586.1608	100 ml	6

Tetramethylene Chlorobromide

(see 1-Bromo-4-Chlorobutane)

Tetramethyleneglycol

(see 1,4-Butanediol)

Tetramethylsilane (NMR) PAI

calibration standard for NMR-spectroscopy
$(CH_3)_4Si$

M: 88,23 CAS: 75-76-3 EINECS: 200-899-1 NC: 2931 00 95 UN: 2749
IMDG: 3/I ADR: 3/I IATA: 3/I PAX: P CAO: 304
HAZARDOUS:

F+ **R: 12 S: 9-16-29-43c**

1l~0,64kg 1kg~1,56l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,8 %
NMR suitability ..... p/t.

Order code	Package	Units/Box st.
745335.1607	50 ml	6
745335.1608	100 ml	6

1,1,3,3-Tetramethylurea, 99% PS

$[(CH_3)_2N]_2CO$

M: 116,16 CAS: 632-22-4 EINECS: 211-173-9 NC: 2924 19 00
HAZARDOUS:

T **R: 61-22 S: 53-24/25-37-45**

1l~0,969kg 1kg~1,032l
SPECIFICATIONS:
Assay (G.C.) ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C357.1604	5 ml	6
15C357.1608	100 ml	6

Tetraoctylammonium Bromide, 98% PS

$C_{32}H_{68}BrN$

M: 546,81 CAS: 14866-33-2 EINECS: 238-936-9 NC: 2923 90 00
HAZARDOUS:

Xi **R: 36/37/38 S: 26-37/39**

SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A211.1604	5 g	6
15A211.1606	25 g	6

TFA

(see Trifluoroacetic Acid)

TFAA

(see Trifluoroacetic Anhydride)

THALLIUM SOLUTIONS

(see Standards for ICP)

THAM

(see Tris (Hydroxymethyl) Aminomethane)

THF

(see Tetrahydrofuran)

Thimerosal

(see 2-[(Ethylmercury)Thio] Benzoic Acid Sodium Salt)

Thioacetamide (Reag. Ph. Eur.) PA-ACS

C_2H_5NS

M: 75,13 CAS: 62-55-5 EINECS: 200-541-4 NC: 2930 90 85
HAZARDOUS:

T **R: 45-E22-36/38-52/53 S: 53-45-61 CE: 616-026-00-6**

SPECIFICATIONS:
Minimum assay (Arg.) ..... 99,0 %
Identity ..... IR p/t.
Melting range ..... 111-114°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... p/t.
Residue on ignition (as SO_4) ..... 0,05 %
Heavy metals (as Pb) ..... 0,001 %
Ca ..... 0,002 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,0005 %
Na ..... 0,01 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
134887.1607	50 g	6
134887.1609	250 g	6
134887.1611	1000 g	6

Thioacetamide, 98% PS

C_2H_5NS

M: 75,13 CAS: 62-55-5 EINECS: 200-541-4 NC: 2930 90 85
HAZARDOUS:

T **R: 45-E22-36/38-52/53 S: 53-45-61 CE: 616-026-00-6**

SPECIFICATIONS:
Minimum assay (Arg.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 111-114°C

Order code	Package	Units/Box st.
164887.1608	100 g	6
164887.1610	500 g	6
164887.1611	1000 g	6

Thiocarbamide
(see Thiourea)

Thiocarbanilide
(see 1,3-Diphenylthiourea)

3,3'-Thiodipropionic Acid, 99% PS
$C_6H_{10}O_4S$
M: 178,21 CAS: 111-17-1 EINECS: 203-841-3 NC: 2930 90 85
HAZARDOUS:
Xi
R: 36 S: 24
SPECIFICATIONS:
Assay (Acidim.) ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C392.1208	100 g	6

Thioglycollic Acid 80% PRS
$HSCH_2COOH$
M: 92,12 CAS: 68-11-1 EINECS: 200-677-4 NC: 2930 90 85 UN: 1940
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:
T
R: 23/24/25-34 S: 25-27-28a-45 CE: 607-090-00-6
1l~1,265kg 1kg~0,791l
SPECIFICATIONS:
Assay (Iodom.) ..... 79-82 %
Density at 20/4 1,26-1,28
Residue on ignition (as SO_4) ..... 0,01 %
Sensitivity to Fe ..... p/t.
Cu ..... 0,0005 %
Fe ..... 0,0005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %

Order code	Package	Units/Box st.
142041.1610	500 ml	6
142041.1611	1000 ml	6
142041.1214	5 l	4

Thionin (C.I. 52000) DC
for microscopy, nucleus and mucosae staining
$C_{12}H_{10}ClN_3S$
M: 263,75 CAS: 581-64-6 EINECS: 209-470-3 NC: 3212 90 90
SPECIFICATIONS:
Identity ..... IR p/t.
λ of max. ABS in CH_3COOH 0,03 mol/l ..... 597-600 nm
A 1%; 1 cm; λmax ..... >1500
Ratio λmax. P±15 nm 1,15-1,57
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 105°C ..... 10 %

Order code	Package	Units/Box st.
251742.1604	5 g	6
251742.1606	25 g	6

Thionyl Chloride, 99% PS
Cl_2OS
M: 118,97 CAS: 7719-09-7 EINECS: 231-748-8 NC: 2812 10 95 UN: 1836
IMDG: 8/I ADR: 8/I IATA: 8/- PAX: P CAO: P
HAZARDOUS:
C
R: 14-20/22-29-35 S: 26-36/37/39-45 CE: 016-015-00-0
1l~1,639kg 1kg~0,610l
SPECIFICATIONS:
Minimum assay (Acidim.) ..... 99 %
Density at 20/4 1,637-1,640

Order code	Package	Units/Box st.
15A879.1611	1000 ml	6
15A879.1612	2,5 l	4
15A879.2216	25 l	

Thiosemicarbazide PA
$NH_2CSNHNH_2$
M: 91,14 CAS: 79-19-6 EINECS: 201-184-7 NC: 2930 90 85 UN: 2811
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T+
R: 28 S: 45
SPECIFICATIONS:
Minimum assay (Iodom.) ..... 99,0 %
Melting range ..... 178-181°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... 0,01 %
Loss on drying at 105°C ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,03 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
122366.1207	50 g	6

Thiosemicarbazide, 98% PS
$NH_2CSNHNH_2$
M: 91,14 CAS: 79-19-6 EINECS: 201-184-7 NC: 2930 90 85 UN: 2811
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615
HAZARDOUS:
T+
R: 28 S: 45
SPECIFICATIONS:
Assay (Iodom.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 177-181°C

Order code	Package	Units/Box st.
152366.1208	100 g	6
152366.1210	500 g	6

Thiosinamine
(see N-Allylthiourea)

Thiourea (Reag. Ph. Eur.) PA-ACS
$SC(NH_2)_2$
M: 76,12 CAS: 62-56-6 EINECS: 200-543-5 NC: 2930 90 85 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619
HAZARDOUS:
Xn N
R: 22-40-51/53-63 S: 36/37-61 CE: 612-082-00-0
SPECIFICATIONS:
Minimum assay a.d.s. ..... 99,0 %
Identity ..... IR p/t.
Melting range ..... 174-177°C
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... p/t.
Loss on drying at 105°C ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,1 %
Sensitivity to Bi ..... p/t.
Sulphate (SO_4) ..... 0,01 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
131743.1210	500 g	6
131743.1211	1000 g	6
131743.0914	5 kg	
131743.0416	25 kg	

PANREAC SINTESIS
Intermedios para síntesis
Synthesis intermediates
Intermédiaires de synthèse

Thiourea PRS

$SC(NH_2)_2$

M: 76,12 CAS: 62-56-6 EINECS: 200-543-5 NC: 2930 90 85 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn N

R: 22-40-51/53-63 S: 36/37-61 CE: 612-082-00-0

SPECIFICATIONS:

Assay (Iodom.) a.d.s ..... 98 %
Identity ..... IR p/t.
Melting range ..... 174-179°C
Residue on ignition (as SO_4) ..... 0,3 %
Sulphate (SO_4) ..... 0,05 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141743.1210	500 g P	6
141743.1211	1000 g P	6
141743.0914	5 kg PP	
141743.0416	25 kg PP	

Thiourea, 98% PS

$SC(NH_2)_2$

M: 76,12 CAS: 62-56-6 EINECS: 200-543-5 NC: 2930 90 85 UN: 2811
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn N

R: 22-40-51/53-63 S: 36/37-61 CE: 612-082-00-0

SPECIFICATIONS:

Assay (Iodom.) a.d.s ..... 98 %
Identity ..... IR p/t.
Melting range ..... 174-179°C

Order code	Package	Units/Box st.
151743.1210	500 g P	6
151743.1211	1000 g P	6

Thorin 8-hydrate PA

$C_{16}H_{11}AsN_2Na_2O_{10}S_2.8H_2O$

M: 720,42 CAS: 3688-92-4 EINECS: 205-058-2 NC: 2931 00 95 UN: 3465
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T N

R: 23/25-50/53 S: 20/21-28a-45-60-61 CE: 033-002-00-5

SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 481-484 nm
A 1%, 1 cm, λmax ..... >200

MAXIMUM LIMIT OF IMPURITIES

Water (H_2O) ..... 17-23 %
Suitability for sulphates determination ..... p/t.

Order code	Package	Units/Box st.
123647.1604	5 g	6

THORIUM SOLUTIONS

(see Standards for ICP)

L-Threonine, 99% PS

$C_4H_9NO_3$

M: 119,12 CAS: 72-19-5 EINECS: 200-774-1 NC: 2922 50 00

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
152879.1606	25 g	6
152879.1608	100 g	6

THULLIUM SOLUTIONS

(see Standards for ICP)

Thyminose

(see 2-Deoxy-D-Ribose)

Thymol (Reag. USP, Ph. Eur.) PA

$C_{10}H_{14}O$

M: 150,22 CAS: 89-83-8 EINECS: 201-944-8 NC: 2907 19 90 UN: 3261
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823

HAZARDOUS:

C N

R: 22-34-51/53 S: 26-28a-36/37/39-45-61 CE: 604-032-00-1

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Melting range ..... 48-51°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in C_2H_5OH ..... p/t.
Insoluble matter in $C_2H_5OC_2H_5$ ..... p/t.
Non-volatile matter ..... 0,03 %
Phenol ..... p/t.

Order code	Package	Units/Box st.
121738.1208	100 g P	6

Thymol PRS

$C_{10}H_{14}O$

M: 150,22 CAS: 89-83-8 EINECS: 201-944-8 NC: 2907 19 90 UN: 3261
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823

HAZARDOUS:

C N

R: 22-34-51/53 S: 26-28a-36/37/39-45-61 CE: 604-032-00-1

SPECIFICATIONS:

Assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Melting range ..... 48-51°C
Insoluble matter in NaOH 2 mol/l ..... p/t.
Acidity ..... p/t.
Non-volatile matter ..... 0,05 %

Order code	Package	Units/Box st.
141738.1208	100 g P	6
141738.1210	500 g P	6

Thymol Blue PA-ACS

pH indicator and for titrations in a non aqueous medium 1,2 pink- 2,8 yellow; 8,0 yellow- 9,2 blue

$C_{27}H_{30}O_5S$

M: 466,60 CAS: 76-61-9 EINECS: 200-973-3 NC: 2932 99 85

SPECIFICATIONS:

Identity ..... IR p/t.
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

pH transition interval:
pink 1,2
yellow 2,8
yellow 8,0
blue 9,2
Transition interval according to ACS ..... p/t.
Insoluble matter in C_2H_5OH ..... p/t.
Loss on drying at 135°C ..... 10 %
Residue on ignition (as SO_4) ..... 0,5 %

Order code	Package	Units/Box st.
131173.1604	5 g	6
131173.1606	25 g	6

Thymol Blue solution 0,04% RV

pH indicator 1,2 red-2,8 yellow; 8,0 yellow-9,2 blue

$C_{27}H_{30}O_5S$

M: 466,60 CAS: 76-61-9 NC: 3822 00 00

1l~0,976kg 1kg~1,025l

Composition:
Thymol Blue ..... 40 mg
Sodium Hydroxide 0,1 mol/l ..... 0,86 ml
Ethanol absolute ..... 17 ml
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
281175.1208	100 ml P	6

Thymolphthalein PA-ACS

pH indicator 9,3 colourless; 10,5 blue

$C_{28}H_{30}O_4$

M: 430,55 CAS: 125-20-2 EINECS: 204-729-7 NC: 2932 29 85

SPECIFICATIONS:

Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

pH transition interval:
colourless 9,3
blue 10,5
Transition interval according to ACS ..... p/t.
Insoluble matter in C_2H_5OH ..... p/t.

Order code	Package	Units/Box st.
131739.1604	5 g	6
131739.1606	25 g	6
131739.1607	50 g	6

Thymolphthalein solution 0,1% RV

pH indicator 9,3 colourless; 10,5 blue
$C_{28}H_{30}O_4$
M: 430,55 CAS: 125-20-2 NC: 3822 00 00 UN: 1993
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
F
R: 10 S: 16
1l~0,900kg 1kg~1,111l
Composition:
Timolphtalein ..... 0,1 g
Ethanol absolute ..... 60 ml
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
281740.1208	100 ml	6

Tin metal, powder PRS

Sn
M: 118,69 CAS: 7440-31-5 EINECS: 231-141-8 NC: 8007 00 90
SPECIFICATIONS:
Assay ..... 99 %
Pb ..... 0,07 %

Order code	Package	Units/Box st.
142742.1209	250 g	6
142742.1211	1000 g	6

TIN SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Tin(II) Chloride 2-hydrate (max. 0,000005% Hg) PA-ACS

$SnCl_2.2H_2O$
M: 225,63 CAS: 10025-69-1 EINECS: 231-868-0 NC: 2827 39 10
HAZARDOUS:
Xn
R: 22-36/37/38 S: 26
SPECIFICATIONS:
Assay (Iodom.) 98,0-103,0%
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in HCl ..... 0,005 %
Sulphate (SO_4) ..... 0,002 %
Ammonium (NH_4) ..... 0,002 %
As ..... 0,0001 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cu ..... 0,001 %
Fe ..... 0,002 %
Hg ..... 0,000005 %
K ..... 0,005 %
Mg ..... 0,005 %
Mn ..... 0,0005 %
Na ..... 0,01 %
Ni ..... 0,0005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
471303.1609	250 g	6

Tin(II) Chloride 2-hydrate (Reag. Ph. Eur.) PA-ACS

$SnCl_2.2H_2O$
M: 225,63 CAS: 10025-69-1 EINECS: 231-868-0 NC: 2827 39 10
HAZARDOUS:
Xn
R: 22-36/37/38 S: 26
SPECIFICATIONS:
Assay (Iodom.) 98,0-103,0%
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in HCl ..... 0,005 %
Sulphate (SO_4) ..... 0,002 %
Ammonium (NH_4) ..... 0,002 %
As ..... 0,0001 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Fe ..... 0,002 %
K ..... 0,005 %
Mg ..... 0,005 %
Na ..... 0,01 %
Ni ..... 0,0005 %
Pb ..... 0,01 %

Order code	Package	Units/Box st.
131303.1608	100 g	6
131303.1609	250 g	6
131303.1611	1000 g	6
131303.1214	5 kg	4
131303.0416	25 kg	

Tin(II) Chloride 2-hydrate PRS

$SnCl_2.2H_2O$
M: 225,63 CAS: 10025-69-1 EINECS: 231-868-0 NC: 2827 39 10
HAZARDOUS:
Xn
R: 22-36/37/38 S: 26
SPECIFICATIONS:
Assay (Iodom.) ..... 97 %
Insoluble matter in HCl ..... 0,025 %
Sulphate (SO_4) ..... 0,05 %
As ..... 0,0005 %
Cu ..... 0,05 %
Fe ..... 0,01 %
Ni ..... 0,05 %
Pb ..... 0,1 %

Order code	Package	Units/Box st.
141303.1608	100 g	6
141303.1609	250 g	6
141303.1611	1000 g	6
141303.1214	5 kg	4
141303.0416	25 kg	

Tin(II) Chloride 2-hydrate (BP, Ph. Eur.) CODEX

$SnCl_2.2H_2O$
M: 225,63 CAS: 10025-69-1 EINECS: 231-868-0 NC: 2827 39 10
HAZARDOUS:
Xn
R: 22-36/37/38 S: 26
SPECIFICATIONS:
Assay (Iodom.) ..... 98,0-101,0 %
Identity according to Pharmacopoeias ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t.
Substances not precipitated by thioacetamide ..... 0,2 %
Sulphate (SO_4) ..... 0,05 %
Heavy metals (as Pb) ..... 0,005 %
Fe ..... 0,01 %

Order code	Package	Units/Box st.
191303.1611	1000 g	6
191303.1214	5 kg	4
191303.0416	25 kg	

Tin(II) Chloride 2-hydrate (E-512, F.C.C.) ADITIO

$SnCl_2.2H_2O$
M: 225,63 CAS: 10025-69-1 EINECS: 231-868-0 NC: 2827 39 10
HAZARDOUS:
Xn
R: 22-36/37/38 S: 26
SPECIFICATIONS:
Assay ($SnCl_2.2H_2O$) 98,0-102,0%
Arsenic (as As), not more than ..... 2 ppm
Iron, not more than ..... 0,005 %
Lead, not more than ..... 3 ppm
Insoluble in dil. HCl ..... p/t.
Substances not precipitated by H_2S, not more than ..... 0,05 %
Sulphate (SO_4), not more than ..... 0,003 %
Mercury, not more than ..... 1 ppm
Specifications Dir. 2008/84/EC, F.C.C. 6

Order code	Package	Units/Box st.
201303.1214	5 kg	4

Tin(IV) Oxide PRS

SnO_2
M: 150,69 CAS: 18282-10-5 EINECS: 242-159-0 NC: 2825 90 30
SPECIFICATIONS:
Chloride (Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,05 %
Fe ..... 0,01 %

Order code	Package	Units/Box st.
141305.1209	250 g	6
141305.1211	1000 g	6
141305.0416	25 kg	

Tin(II) Sulphate PRS

$SnSO_4$
M: 214,75 CAS: 7488-55-3 EINECS: 231-302-2 NC: 2833 29 90
SPECIFICATIONS:
Assay ..... 96 %

Order code	Package	Units/Box st.
144369.1208	100 g	6
144369.1210	500 g	6

TISAB I (ASTM D 1179) for samples containing <0,1 ppm in Fe and/or Al ST

for the fluoride determination by selective electrodes. pH 5,8 ±0,1

NC: 3822 00 00

1l~1,080kg 1kg~0,926l

Composition:
Acetic Acid glacial ..... 57 ml
Sodium Chloride ..... 58 g
Sodium Citrate ..... 0,3 g
Sodium Hydroxide 20% ..... 150 ml
Water s.q.m ..... 1 l
Note: pH 5,8±0,1

Order code	Package	Units/Box st.
275210.1211	1000 ml	6

TISAB II (STANDARD METHODS/AOAC) for samples containing <3 ppm in Fe and/or Al ST

for the fluoride determination by selective electrodes. pH 5,15 ±0,15

NC: 3822 00 00

1l~1,080kg 1kg~0,926l

Composition:
1,2-Diaminociclohexane N,N,N,N-tetraacetic Acid 1-hydrate ..... 3,6 g
Sodium Hydroxide 50% sol. w/w ..... 35 ml
Acetic Acid glacial ..... 57 ml
Sodium Chloride ..... 58 g
Water s.q.m ..... 1 l
Note: pH 5,15±0,15

Order code	Package	Units/Box st.
274765.1211	1000 ml	6

TISAB III Concentrated solution for samples containing <3 ppm in Fe and/or Al ST

for the fluoride determination by selective electrodes. pH 5,25 ±0,25

NC: 3822 00 00

1l~1,053kg 1kg~0,950l

Composition:
1,2-Diaminociclohexane N,N,N,N-tetraacetic Acid 1-hydrate ..... 18 g
Ammonium Chloride ..... 96,65 g
Ammonium Acetate ..... 163,4 g
Cresol Red ..... 0,1 g
Water s.q.m ..... 1 l
Note: pH 5,25±0,25

Order code	Package	Units/Box st.
273526.1210	500 ml	6

TISAB IV (ASTM D 1179) for samples containing <100 ppm in Fe and/or Al ST

for the fluoride determination by selective electrodes. pH 8,5 ±0,1

NC: 3822 00 00

1l~1,103kg 1kg~0,907l

Composition:
Hydrochloric acid 37% ..... 84 ml
Tris (Hydroximethyl) Aminomethane ..... 242 g
Sodium Tartrate 2-hydrate ..... 230 g
Water s.q.m ..... 1 l
Note: pH 8,5±0,1

Order code	Package	Units/Box st.
273531.1210	500 ml	6

TISAB B (F.C.C.) in food analysis ST

for the fluoride determination by selective electrodes. pH 8,00 ±0,05

NC: 3822 00 00

1l~1,103kg 1kg~0,907l

Composition:
tri-Sodium Citrate 2-hydrate ..... 150 g
EDTA-$Na_2.H_2O$ ..... 10,3 g
Water s.q.m ..... 1 l
Note: pH 8,00±0,05

Order code	Package	Units/Box st.
275211.1210	500 ml	6

TISAB-ENOL for wine analysis (Dir. 2676/90) VINIKIT

for the fluoride determination by selective electrodes. pH 5,5±0,1

NC: 3822 00 00 UN: 1760

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 818 CAO: 820

HAZARDOUS:

Xi **R: 36/38 S: 26**

1l~1,088kg 1kg~0,919l

Composition:
1,2-Diaminociclohexane N,N,N,N-tetraacetic Acid 1-hydrate ..... 10 g
Sodium Chloride ..... 58 g
Sodium Citrate ..... 29,4 g
Acetic Acid glacial ..... 57 ml
Sodium Hidroxide 32% w/v ..... 50 ml
Water s.q.m. ..... 1 l
Note: pH 5,5±0,1

Order code	Package	Units/Box st.
625891.1209	250 ml	6
625891.1211	1000 ml	6

Titan Yellow (C.I. 19540) PA

pH and adsorption indicator and for complexometry 12,0 yellow; 13,0 amber

$C_{28}H_{19}N_5Na_2O_6S_4$

M: 695,73 CAS: 1829-00-1 EINECS: 217-377-4 NC: 3204 19 00

SPECIFICATIONS:
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 110°C ..... 8 %
Suitability as Mg reagent ..... p/t.

Order code	Package	Units/Box st.
122470.1605	10 g	6
122470.1606	25 g	6

TITANIUM SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Titanium Dioxide

(see Titanium(IV) Oxide)

Titanium(IV) Isopropylate, 97% PS

$C_{12}H_{28}O_4Ti$

M: 284,25 CAS: 546-68-9 EINECS: 208-909-6 NC: 2905 19 00 UN: 1993

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xn **R: 10-20-36 S: 24-26**

1l~0,965kg 1kg~1,036l

SPECIFICATIONS:
Assay ..... 97 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A244.1608	100 ml	6
15A244.1610	500 ml	6

Titanium(IV) Isopropoxide

(see Titanium(IV) Isopropylate)

Titanium(IV) Oxide (RFE, USP, BP, DAB, Ph. Eur.) PRS-CODEX

TiO_2

M: 79,90 CAS: 13463-67-7 EINECS: 236-675-5 NC: 2823 00 00

SPECIFICATIONS:
Assay 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in H_2SO_4 ..... p/t.
Soluble matter in HCl dil ..... 0,5 %
Soluble matter in H_2O ..... 0,25 %
Loss on drying at 105°C ..... 0,5 %
Loss on ignition at 800°C ..... 0,5 %
Residual solvents (Ph.Eur./USP) ..... p/t
Acidity or alkalinity ..... p/t.
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0001 %
Ba ..... p/t.
Fe ..... 0,02 %
Hg ..... 0,0001 %
Pb ..... 0,001 %
Sb ..... 0,0002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142101.1210	500 g	6
142101.1211	1000 g	6
142101.0914	5 kg	

Titanium(IV) Oxide (E-171, F.C.C.) ADITIO

TiO_2

M: 79,90 CAS: 13463-67-7 EINECS: 236-675-5 NC: 2823 00 00

SPECIFICATIONS:

Assay (TiO_2) after drying 99,0-100,5%
Acid soluble substances, not more than .... 0,5 %
Aluminium Oxide and Silicon Dioxide, not more than .... 2,0 %
Soluble barium compounds, not more than .... 5 ppm
Antimony, not more than .... 2 ppm
Arsenic (as As), not more than .... 1 ppm
Lead, not more than .... 10 ppm
Zinc, not more than .... 50 ppm
Loss on drying, not more than .... 0,5 %
Loss on ignition (after drying), not more than .... 0,5 %
Cadmium, not more than .... 1 ppm
Mercury, not more than .... 1 ppm
Water-soluble substances, not more than .... 0,3 %
Specifications BOE 16 - 10 - 96

Order code	Package	Units/Box st.
202101.0914	5 kg	
202101.0416	25 kg	

Titanium(IV) Oxide QP

TiO_2

M: 79,90 CAS: 13463-67-7 EINECS: 236-675-5 NC: 2823 00 00

SPECIFICATIONS:

Insoluble matter in H_2SO_4 .... p/t.
Loss on ignition at 800°C .... 1 %

Order code	Package	Units/Box st.
212101.1211	1000 g	6
212101.0914	5 kg	

Titriplex ® I

(see Nitrile tri-Acetic Acid)

TMCS

(see Chlorotrimethylsilane)

TMP

(see Trimethyl Phosphate)

TMSDEA

(see N-(Trimethylsilyl) Diethylamine)

TMSH

(see Trimethylsulphonium Hydroxide)

TMSI

(see N-(Trimethylsilyl) Imidazole)

DL-α-Tocopherol (E-307, F.C.C.) ADITIO

$C_{29}H_{50}O_2$

M: 430,72 CAS: 10191-41-0 EINECS: 233-466-0 NC: 2936 28 00

SPECIFICATIONS:

Assay ....96,0-102,0 %
Assay .... 960-1020 IU/g
Refractive index 1,503-1,507
Specific weight 0,947-0,958
Acidity .... p/t.
Specific rotation $[\alpha]^{25}/D$ (1/10 in $CHCl_3$) .... -0,05 to+0,05°
A 1%; 1 cm; λ292 nm in C_2H_5OH abs 72-76
Residue on ignition, not more than .... 0,1 %
Heavy metals (as Pb), not more than .... 0,001 %
Arsenic (as As), not more than .... 3 ppm
Lead, not more than .... 2 ppm
Mercury (Hg), not more than .... 1 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6
Product bottled under nitrogen atmosphere.

Order code	Package	Units/Box st.
204644.0314	5 kg	4

o-Tolidine (Reag. USP, Ph. Ur.) PA

Chlorine reagent

$C_{14}H_{16}N_2$

M: 212,29 CAS: 119-93-7 EINECS: 204-358-0 NC: 2921 59 90

HAZARDOUS:

T

R: 45-E22 S: 53-45 CE: 612-041-00-7

SPECIFICATIONS:

Minimum assay .... 98,0 %
Identity .... IR p/t.
Melting range .... 129-131°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl .... p/t.
Residue on ignition (as SO_4) .... 0,1 %
Sensitivity to chlorine .... p/t.

Order code	Package	Units/Box st.
121744.1605	10 g	6
121744.1607	50 g	6

o-Tolidine solution 0,1% RE

Chlorine reagent

$C_{14}H_{16}N_2$

M: 212,29 CAS: 119-93-7 NC: 3822 00 00

HAZARDOUS:

T

R: 45 S: 53-26-45

1l~1,021kg 1kg~0,979l

Composition:
o-Tolidine .... 0,1 g
Hydrochloric Acid 35% .... 10,5 ml
Water s.q.m .... 100 ml

Order code	Package	Units/Box st.
172417.1609	250 ml	6
172417.1611	1000 ml	6

Toluene (UV-IR-HPLC-HPLC preparative-GPC) PAI-ACS

$C_6H_5CH_3$

M: 92,14 CAS: 108-88-3 EINECS: 203-625-9 NC: 2902 30 00 UN: 1294
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn

R: 11-38-48/20-63-65-67 S: 36/37-62 CE: 601-021-00-3

1l~0,865kg 1kg~1,156l

SPECIFICATIONS:

Minimum assay (G.C.) .... 99,9 %
Density at 20/4 0,863-0,866

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non volatile matter .... 0,0003 %
Acidity .... 0,0001 meq/g
Alkalinity .... 0,0002 meq/g
Water (H_2O) .... 0,01 %
Darkened substances by H_2SO_4 .... p/t.
Sulphur compounds (as CS_2) .... 0,0003 %
Thiophene (C_4H_4S) .... 0,0002 %
Suitability for IR spectrometry .... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	285 (Cut off)	288	293	300	310	350-450
A (AU)	1,000	0,495	0,201	0,097	0,046	0,009
T (%)	10	32	63	80	90	98

Fluorescence (as quinine):

λ (nm)	365
ppb	2,0

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 2,4
Eluotropic value E°(Al_2O_3) 0,29
Sol. H_2O in solv. at 20°C 0,046
P' + 0,25 E 2,9
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361745.1611	1000 ml	6
361745.1612	2,5 l	4
361745.1646	4 l	4
361745.0314	5 l	4
361745.1616	25 l	

Toluene (PAR) PAI

$C_6H_5CH_3$

M: 92,14 CAS: 108-88-3 EINECS: 203-625-9 NC: 2902 30 00 UN: 1294
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn

R: 11-38-48/20-63-65-67 S: 36/37-62 CE: 601-021-00-3

1l~0,865kg 1kg~1,156l

SPECIFICATIONS:

Minimum assay (G.C.) .... 99,8 %
Identity .... IR p/t.
Density at 20/4 0,863-0,866

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter .... 0,0005 %
Acidity .... 0,0001 meq/g
Alkalinity .... 0,0002 meq/g
Water (H_2O) .... 0,02 %
Thiophene (C_4H_4S) .... 0,0002 %
Signal ECD (Lindane to DDT) (as Lindane) .... 5 ng/l
Signal PND (Ethylparathion to Coumaphos) (as Ethylparathion) .... 5 ng/l
Signal FID of 2-Octanol to Tetradecanol (as 2-Octanol) .... p/t.

Order code	Package	Units/Box st.
321745.1611	1000 ml	6
321745.1612	2,5 l	4

Toluene dry (max. 0,005% water) DS-ACS-ISO

$C_6H_5CH_3$

M: 92,14 CAS: 108-88-3 EINECS: 203-625-9 NC: 2902 30 00 UN: 1294
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn **R: 11-38-48/20-63-65-67 S: 36/37-62 CE: 601-021-00-3**

1l~0,865kg 1kg~1,156l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,863-0,866

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Benzene (G.C.) ..... 0,05 %
Ethylbenzene (G.C.) ..... 0,05 %
m-Xylene (G.C.) ..... 0,05 %
o-Xylene (G.C.) ..... 0,01 %
p-Xylene (G.C.) ..... 0,01 %
Darkened substances by H_2SO_4 ..... p/t.
Sulphur compounds (as CS_2) ..... 0,0003 %
Acidity ..... 0,0001 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,005 %
Thiophene (C_4H_4S) ..... 0,0002 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,5
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,1	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
481745.1611	1000 ml	6

Toluene (Reag. Ph. Eur.) PA-ACS-ISO

$C_6H_5CH_3$

M: 92,14 CAS: 108-88-3 EINECS: 203-625-9 NC: 2902 30 00 UN: 1294
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn **R: 11-38-48/20-63-65-67 S: 36/37-62 CE: 601-021-00-3**

1l~0,865kg 1kg~1,156l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/20 0,865-0,870

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Benzene (G.C.) ..... 0,05 %
Ethylbenzene (G.C.) ..... 0,05 %
m-Xylene (G.C.) ..... 0,05 %
o-Xylene (G.C.) ..... 0,01 %
p-Xylene (G.C.) ..... 0,01 %
Darkened substances by H_2SO_4 ..... p/t.
Sulphur compounds (as CS_2) ..... 0,0003 %
Acidity ..... 0,0001 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,03 %
Thiophene (C_4H_4S) ..... 0,0002 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,5
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,1	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131745.1611	1000 ml	6
131745.1612	2,5 l	4
131745.0314	5 l	4
131745.0616	25 l	
131745.0619	200 l	

Toluene PRS

$C_6H_5CH_3$

M: 92,14 CAS: 108-88-3 EINECS: 203-625-9 NC: 2902 30 00 UN: 1294
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn **R: 11-38-48/20-63-65-67 S: 36/37-62 CE: 601-021-00-3**

1l~0,865kg 1kg~1,156l

SPECIFICATIONS:

Assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,863-0,866
Non-volatile matter ..... 0,01 %
Benzene (G.C.) ..... 0,1 %
Ethylbenzene (G.C.) ..... 0,1 %
m-Xylene (G.C.) ..... 0,1 %
o-Xylene (G.C.) ..... 0,05 %
p-Xylene (G.C.) ..... 0,05 %
Sulphur compounds (as CS_2) ..... 0,001 %
Acidity ..... 0,0003 meq/g
Alkalinity ..... 0,00025 meq/g
Water (H_2O) ..... 0,05 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141745.1611	1000 ml	6
141745.1612	2,5 l	4
141745.0314	5 l	4
141745.0616	25 l	

Toluene, 99,5% PS

$C_6H_5CH_3$

M: 92,14 CAS: 108-88-3 EINECS: 203-625-9 NC: 2902 30 00 UN: 1294
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn **R: 11-38-48/20-63-65-67 S: 36/37-62 CE: 601-021-00-3**

1l~0,865kg 1kg~1,156l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,863-0,866
Non-volatile matter ..... 0,005 %
Water (H_2O) ..... 0,03 %

Order code	Package	Units/Box st.
161745.1611	1000 ml	6
161745.1612	2,5 l	4
161745.1714	5 l	4
161745.0616	25 l	

Toluene QP

$C_6H_5CH_3$

M: 92,14 CAS: 108-88-3 EINECS: 203-625-9 NC: 2902 30 00 UN: 1294
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn **R: 11-38-48/20-63-65-67 S: 36/37-62 CE: 601-021-00-3**

1l~0,865kg 1kg~1,156l

SPECIFICATIONS:

Assay (G.C.) ..... 99,5 %
Density at 20/4 0,863-0,867
Acidity ..... 0,003 meq/g
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
211745.1611	1000 ml	6
211745.2714	5 l	4
211745.0616	25 l	

Toluene-D8 deuteration degree min. 99,8% (NMR) PAI

$C_6D_5CD_3$

M: 100,21 CAS: 2037-26-5 EINECS: 218-009-5 NC: 2845 90 10 UN: 1294
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307

HAZARDOUS:

F Xn **R: 11-20 S: 16-25-29-33**

1l~0,94kg 1kg~1,06l

SPECIFICATIONS:

Deuteration degree min. ..... 99,8 %
NMR suitability ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Water (H_2O+D_2O) ..... 0,02 %

Order code	Package	Units/Box st.
745869.02130	10 x 0,75 ml	6
745869.1605	10 ml	6

Toluene-D8 deuteration degree min. 99,5% (NMR) PAI

$C_6D_5CD_3$

M: 100,21 CAS: 2037-26-5 EINECS: 218-009-5 NC: 2845 90 10 UN: 1294
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F Xn **R: 11-20 S: 16-25-29-33**

1l~0,94kg 1kg~1,06l

SPECIFICATIONS:
Deuteration degree min. ..... 99,5 %
NMR suitability ..... p/t.

MAXIMUM LIMIT OF IMPURITIES
Water (H_2O+D_2O) ..... 0,03 %

Order code	Package	Units/Box st.
745868.02130	10 x 0,75 ml	6
745868.1605	10 ml	6

4-Toluenesulphonchloramide Sodium Salt

(see Chloramine T 3-hydrate)

p-Toluenesulphonic Acid

(see Toluene-4-Sulphonic Acid 1-hydrate)

Toluene-4-Sulphonic Acid 1-hydrate, 98% PS

$CH_3C_6H_4HSO_3.H_2O$

M: 190,22 CAS: 6192-52-5 EINECS: 203-180-0 NC: 2904 10 00 UN: 2585
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823
HAZARDOUS:

Xi **R: 36/37/38 S: 26-37 CE: 016-030-00-2**

SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Water (H_2O) ..... 9-13 %

Order code	Package	Units/Box st.
15A671.1209	250 g	6
15A671.1210	500 g	6
15A671.1214	5 kg	4
15A671.0416	25 kg	

4-Toluenesulphonic Acid Pyridine Salt

(see Pyridinium 4-Toluenesulphonate)

4-Toluenesulphonyl Chloride, 98% PS

$C_7H_7ClO_2S$

M: 190,65 CAS: 98-59-9 EINECS: 202-684-8 NC: 2904 90 20 UN: 3261
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C **R: 34 S: 26-36/37/39-45**

SPECIFICATIONS:
Minimum assay (Arg.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 65-69°C

Order code	Package	Units/Box st.
15A653.1611	1000 g	6

vinikit

Análisis de vinos
Wine analysis
Analyse des vins

o-Toluidine PA

C_7H_9N

M: 107,16 CAS: 95-53-4 EINECS: 202-429-0 NC: 2921 43 00 UN: 1708
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:

T N **R: 45-E23/25-36-50 S: 53-45-61 CE: 612-091-00-X**

1l~1,000kg 1kg~1,000l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,998-1,002

MAXIMUM LIMIT OF IMPURITIES
Residue on ignition (as SO_4) ..... 0,005 %
Aniline (G.C.) ..... 0,1 %
m-Toluidine (G.C.) ..... 0,3 %
p-Toluidine (G.C.) ..... 0,1 %
Hydrocarbons ..... p/t.
Water (H_2O) ..... 0,1 %
Chloride (Cl) ..... 0,001 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

Order code	Package	Units/Box st.
121955.1611	1000 ml	6

o-Toluidine stabilized PA

C_7H_9N

M: 107,16 CAS: 95-53-4 EINECS: 202-429-0 NC: 2921 43 00 UN: 1708
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:

T N **R: 45-E23/25-36-50 S: 53-45-61 CE: 612-091-00-X**

1l~1kg 1kg~1l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,0 %
Density at 20/4 0,998-1,002

MAXIMUM LIMIT OF IMPURITIES
Residue on ignition (as SO_4) ..... 0,005 %
Aniline (G.C.) ..... 0,1 %
m-Toluidine (G.C.) ..... 0,3 %
p-Toluidine (G.C.) ..... 0,1 %
Hydrocarbons ..... p/t.
Water (H_2O) ..... 0,25 %
Chloride (Cl) ..... 0,001 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

Order code	Package	Units/Box st.
122234.1611	1000 ml	6

o-Toluidine, 99% PS

C_7H_9N

M: 107,16 CAS: 95-53-4 EINECS: 202-429-0 NC: 2921 43 00 UN: 1708
IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611
HAZARDOUS:

T N **R: 45-E23/25-36-50 S: 53-45-61 CE: 612-091-00-X**

1l~1,000kg 1kg~1,000l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,998-1,000

Order code	Package	Units/Box st.
161955.1611	1000 ml	6

o-Toluidine solution 6% DC

for determination of glucose in blood

NC: 3822 00 00 UN: 2922

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

C N

R: 45-E20/21/22-34-36-51 S: 53-23c-26-28a-45-61

1l~1,066kg 1kg~0,938l

Composition:

o-Toluidine stabilized ..... 6 ml
Thiourea ..... 150 mg
Acid Acetic glacial s.q.m ..... 100 ml

Order code	Package	Units/Box st.
252311.1611	1000 ml	6

p-Toluidine, 99% PS

$CH_3C_6H_4NH_2$

M: 107,16 CAS: 106-49-0 EINECS: 203-403-1 NC: 2921 43 00 UN: 3451

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 613 CAO: 615

HAZARDOUS:

T N

R: 23/24/25-36-40-43-50 S: 28a-36/37-45-61
CE: 612-160-00-4

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Melting range ..... 43-45°C

Order code	Package	Units/Box st.
15A861.1608	100 g	6
15A861.1609	250 g	6

Toluidine Blue O (C.I. 52040) DC

for microscopy, nucleus and mucosae staining

$(C_{15}H_{16}ClN_3S)_2.ZnCl_2$

M: 747,96 CAS: 6586-04-5 EINECS: 202-146-2 NC: 3204 16 00

SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS in H_2O ..... 630-635 nm
A 1%; 1cm. λmax ..... >750
Ratio λmax. P± 15 nm 1,00-1,23
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 135°C ..... 10 %

Order code	Package	Units/Box st.
251176.1604	5 g	6
251176.1606	25 g	6

Toluidine Blue O solution 1% DC

for microscopy, nucleus and mucosae staining

$(C_{15}H_{16}ClN_3S)_2.ZnCl_2$

M: 747,96 CAS: 6586-04-5 EINECS: 202-146-2 NC: 3204 13 00

1l~1,005kg 1kg~0,995l

Composition:

Toluidine Blue O ..... 1 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
253535.1210	500 ml	6

p-Tolylhydrazinium Chloride, 98% PS

$C_7H_{10}N_2$

M: 158,63 CAS: 637-60-5 EINECS: 211-295-2 NC: 2928 00 90 UN: 2811

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

T N

R: 45-E23/24/25-43-50/53 S: 45-53-60-61 CE: 007-014-00-6

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A351.1606	25 g	6
15A351.1608	100 g	6

α-Tolylic Acid

(see Phenylacetic Acid)

Tosyl Chloride

(see 4-Toluenesulphonyl Chloride)

D(+)-Trehalose 2-hydrate PB

$C_{12}H_{22}O_{11}.2H_2O$

M: 378,33 CAS: 6138-23-4 EINECS: 202-739-6 NC: 2940 00 00

SPECIFICATIONS:

Minimum assay ..... 98 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying ..... 1,5 %
Residue on ignition ..... 0,05 %
Heavy metals (as Pb) ..... 0,0005 %
As ..... 0,0001 %

Order code	Package	Units/Box st.
372078.1205	10 g	6
372078.1206	25 g	6

Triacetin

(see Glycerol tri-Acetate)

1,2,4-Triazole Sodium Salt, 95% PS

$C_2H_2N_3Na$

M: 91,05 CAS: 41253-21-8 EINECS: 255-280-9 NC: 2933 99 90 UN: 3259

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823

HAZARDOUS:

Xn

R: 22-41 S: 26-39

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 95 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A588.1205	10 g	6
15A588.1207	50 g	6

Tribromomethane

(see Bromoform)

Tri-n-Butylamine, 99% PS

$C_{12}H_{27}N$

M: 185,36 CAS: 102-82-9 EINECS: 203-058-7 NC: 2921 19 80 UN: 2542

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 609 CAO: 611

HAZARDOUS:

T N

R: 22-23/24-38-51/53 S: 26-36/37/39-45-61

1l~0,777kg 1kg~1,287l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
15A883.1611	1000 ml	6

Tributyrin

(see Glycerol tri-Butyrate)

Trichloroacetic Acid (Reag. Ph. Eur.) PA-ACS

CCl_3COOH

M: 163,39 CAS: 76-03-9 EINECS: 200-927-2 NC: 2915 40 00 UN: 1839

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 815 CAO: 817

HAZARDOUS:

C N

R: 35-50/53 S: 26-36/37/39-45-60-61 CE: 607-004-00-7

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99,5 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,003 %
Residue on ignition (as SO_4) ..... 0,01 %
Reducing substances to $KMnO_4$ ..... p/t.
Darkened substances by H_2SO_4 ..... p/t.
Chloride (Cl) ..... 0,001 %
Phosphate (PO_4) ..... 0,0005 %
Nitrate (NO_3) ..... 0,002 %
Sulphate (SO_4) ..... 0,02 %
Heavy metals (as Pb) ..... 0,002 %
Cu ..... 0,002 %
Fe ..... 0,001 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
131067.1608	100 g	6
131067.1609	250 g	6
131067.1611	1000 g	6
131067.1214	5 kg	4
131067.0416	25 kg	

Trichloroacetic Acid (BP, Ph. Eur.) PRS-CODEX

CCl_3COOH

M: 163,39 CAS: 76-03-9 EINECS: 200-927-2 NC: 2915 40 00 UN: 1839
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 815 CAO: 817
HAZARDOUS:

C N **R: 35-50/53 S: 26-36/37/39-45-60-61 CE: 607-004-00-7**

SPECIFICATIONS:
Assay (Acidim.) calc. a.d.s. 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,01 %
Loss on drying ..... 1,0 %
Residue on ignition (as SO_4) ..... 0,05 %
Chloride (Cl) ..... 0,005 %
Nitrate (NO_3) ..... 0,02 %
Sulphate (SO_4) ..... 0,05 %
Cu ..... 0,003 %
Fe ..... 0,002 %
Ni ..... 0,003 %
Pb ..... 0,003 %

Order code	Package	Units/Box st.
141067.1608	100 g	6
141067.1609	250 g	6
141067.1611	1000 g	6
141067.1214	5 kg	4
141067.0416	25 kg	

Trichloroacetic Acid, 98% PS

CCl_3COOH

M: 163,39 CAS: 76-03-9 EINECS: 200-927-2 NC: 2915 40 00 UN: 1839
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 815 CAO: 817
HAZARDOUS:

C N **R: 35-50/53 S: 26-36/37/39-45-60-61 CE: 607-004-00-7**

SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
151067.1609	250 g	6
151067.1611	1000 g	6
151067.1214	5 kg	4
151067.0416	25 kg	

Trichloroacetic Acid solution 20% w/v DC

deproteinizer
CCl_3COOH

M: 163,39 CAS: 76-03-9 EINECS: 200-927-2 NC: 2915 40 00 UN: 2564
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C N **R: 35-51/53 S: 26-36/37/39-45-60-61 CE: 607-004-00-7**

1l~1,098kg 1kg~0,911l
Composition:
Trichloroacetic Acid ..... 20,1 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
252373.1611	1000 ml	6

1,2,4-Trichlorobenzene (UV-IR-HPLC-GPC) PAI

$C_6H_3Cl_3$

M: 181,45 CAS: 120-82-1 EINECS: 204-428-0 NC: 2903 69 90 UN: 2321
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:

Xn N **R: 22-38-50/53 S: 23c-37/39-60-61 CE: 602-087-00-6**

1l~1,454kg 1kg~0,688l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,0 %
Density at 20/4 1,453-1,455
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non volatile matter ..... 0,0003 %
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,015 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	307 (Cut off)	310	315	385-450
A (AU)	1,000	0,301	0,097	0,009
T (%)	10	50	80	98

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
363541.1611	1000 ml	6

1,2,4-Trichlorobenzene, 98,5% PS

$C_6H_3Cl_3$

M: 181,45 CAS: 120-82-1 EINECS: 204-428-0 NC: 2903 69 90 UN: 2321
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 611 CAO: 618
HAZARDOUS:

Xn N **R: 22-38-50/53 S: 23c-37/39-60-61 CE: 602-087-00-6**

1l~1,454kg 1kg~0,688l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98,5 %
Identity ..... IR p/t.
Density at 20/4 1,453-1,455
Acidity (as HCl) ..... 0,002 %
Water (H_2O) ..... 0,02 %

Order code	Package	Units/Box st.
163541.1609	250 ml	6

Trichlorobromomethane

(see Bromotrichloromethane)

1,1,1-Trichloroethane (E.U.) PRS

for Essential Uses
Cl_3CCH_3

M: 133,40 CAS: 71-55-6 EINECS: 200-756-3 NC: 2903 19 10 UN: 2831
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 605 CAO: 612
HAZARDOUS:

Xn N **R: 20-59 S: 24/25-59-61 CE: 602-013-00-2**

1l~1,342kg 1kg~0,745l
SPECIFICATIONS:
Assay (G.C.) (estabilizers not included) ..... 99 %
Non-volatile matter ..... 0,01 %
Acidity (HCl) ..... 0,006 meq/g
Water (H_2O) ..... 0,2 %
Fe ..... 0,00005 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
142925.1611	1000 ml	6
142925.1612	2,5 l	4

N

1,1,1-Trichloroethane (B.D.N.) PRS

for Basic Domestic Needs
Cl_3CCH_3

M: 133,40 CAS: 71-55-6 EINECS: 200-756-3 NC: 2903 19 10 UN: 2831
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 605 CAO: 612
HAZARDOUS:

Xn N **R: 20-59 S: 24/25-59-61 CE: 602-013-00-2**

1l~1,342kg 1kg~0,745l
SPECIFICATIONS:
Assay (G.C.) (estabilizers not included) ..... 99 %
Non-volatile matter ..... 0,01 %
Acidity (HCl) ..... 0,006 meq/g
Water (H_2O) ..... 0,2 %
Fe ..... 0,00005 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
146421.1611	1000 ml	6
146421.1612	2,5 l	4

Trichloroethene

(see Trichloroethylene)

Trichloroethylene, stabilized with ethanol (Reag. Ph. Eur.) PA-ACS

Cl_2CClCH

M: 131,39 CAS: 79-01-6 EINECS: 201-167-4 NC: 2903 22 00 UN: 1710
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 605 CAO: 612
HAZARDOUS:

T
R: 45-36/38-52/53-67 S: 53-45-61 CE: 602-027-00-9
1l~1,46kg 1kg~0,68l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,001 %
Ethanol (G.C.) ..... 0,5 %
Tetrachloroethylene (G.C.) ..... 0,05 %
Free halogens ..... p/t.
Acidity ..... 0,0001 meq/g
Alkalinity ..... 0,0003 meq/g
Water (H_2O) ..... 0,02 %
Chloride (Cl) ..... 0,0004 %
Heavy metals (as Pb) ..... 0,0001 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,2	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131749.1611	1000 ml	6
131749.1612	2,5 l	4
131749.1714	5 l	4
131749.0616	25 l	

Trichloroethylene, stabilized with ethanol PRS

Cl_2CClCH

M: 131,39 CAS: 79-01-6 EINECS: 201-167-4 NC: 2903 22 00 UN: 1710
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 605 CAO: 612
HAZARDOUS:

T
R: 45-36/38-52/53-67 S: 53-45-61 CE: 602-027-00-9
1l~1,46kg 1kg~0,68l

SPECIFICATIONS:
Assay (G.C.)(stabilizer not included) ..... 99 %
Identity ..... IR p/t.
Non-volatile matter ..... 0,005 %
Ethanol (G.C.) ..... 0,5 %
Tetrachloroethylene (G.C.) ..... 0,1 %
Acidity ..... 0,0005 meq/g
Alkalinity ..... 0,001 meq/g
Water (H_2O) ..... 0,1 %
Chloride (Cl) ..... 0,001 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141749.1611	1000 ml	6
141749.1612	2,5 l	4
141749.1714	5 l	4
141749.0616	25 l	

Trichloroethylene, 99% stabilized with ethanol PS

Cl_2CClCH

M: 131,39 CAS: 79-01-6 EINECS: 201-167-4 NC: 2903 22 00 UN: 1710
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 605 CAO: 612
HAZARDOUS:

T
R: 45-36/38-52/53-67 S: 53-45-61 CE: 602-027-00-9
1l~1,46kg 1kg~0,68l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Minimum assay (G.C.) (stabilizer not included) ..... 99,5 %
Identity ..... IR p/t.
Ethanol (G.C.) ..... 0,5 %
Acidity (as HCl) ..... 0,001 %
Water (H_2O) ..... 0,02 %

Order code	Package	Units/Box st.
161749.1611	1000 ml	6
161749.1612	2,5 l	4
161749.1714	5 l	4
161749.0616	25 l	

Trichloromethane stabilized with ~150 ppm of amylene (HPLC-GPC) PAI

$CHCl_3$

M: 119,38 CAS: 67-66-3 EINECS: 200-663-8 NC: 2903 13 00 UN: 1888
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 610 CAO: 612
HAZARDOUS:

Xn
R: 22-38-40-48/20/22 S: 36/37 CE: 602-006-00-4
1l~1,478kg 1kg~0,677l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,8 %
Identity ..... IR p/t.
Density at 20/4 ..... >1,48

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0003 %
Acidity ..... 0,00015 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,01 %
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	244 (Cut off)	245	255	260	280-400
A (AU)	1,000	0,824	0,155	0,071	0,009
T (%)	10	15	70	85	98

Fluorescence (as quinine) :

λ (nm)	254	365
ppb	1	1

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 4,1
Eluotropic value ε° (Al_2O_3) 0,4
Sol. H_2O in solv. at 20°C 0,072
P'+0,25E 5,6
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
363101.1611	1000 ml	6
363101.1612	2,5 l	4

Trichloromethane dry (max. 0,005% water) stabilized with ~50 ppm of amylene DS-ACS

$CHCl_3$

M: 119,38 CAS: 67-66-3 EINECS: 200-663-8 NC: 2903 13 00 UN: 1888
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 610 CAO: 612
HAZARDOUS:

Xn
R: 22-38-40-48/20/22 S: 36/37 CE: 602-006-00-4
1l~1,478kg 1kg~0,677l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,9 %
Identity ..... IR p/t.
Density at 20/4 ..... >1,48

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,001 %
Carbon Tetrachloride (G.C.) ..... 0,01 %
Dichloromethane (G.C.) ..... 0,01 %
Tetrachloroethylene (G.C.) ..... 0,01 %
Trichloroethylene (G.C.) ..... 0,01 %
Suitability for use in dithizone tests ..... p/t.
Metallic impurities ..... p/t.
Acidity ..... 0,00015 meq/g
Carbonyl compounds (as CH_3COCH_3) ..... 0,005 %
Water (H_2O) ..... 0,005 %
Chlorine (Cl) ..... 0,0005 %
Phosgene (Cl_2CO) ..... 0,0001 %
Chloride (Cl) ..... 0,00002 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,05
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
483101.1611	1000 ml	6

Trichloromethane stabilized with ~50 ppm of amylene (Reag. USP, Ph. Eur.) PA-ACS

$CHCl_3$

M: 119,38 CAS: 67-66-3 EINECS: 200-663-8 NC: 2903 13 00 UN: 1888
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 610 CAO: 612
HAZARDOUS:

Xn **R: 22-38-40-48/20/22 S: 36/37 CE: 602-006-00-4**

1l~1,478kg 1kg~0,677l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,8 %
Identity ..... IR p/t.
Density at 20/4 ..... >1,48

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Carbon Tetrachloride (G.C.) ..... 0,01 %
Dichloromethane (G.C.) ..... 0,01 %
Tetrachloroethylene (G.C.) ..... 0,01 %
Trichloroethylene (G.C.) ..... 0,01 %
Suitability for use in dithizone tests ..... p/t.
Metallic impurities ..... p/t.
Acidity ..... 0,00015 meq/g
Carbonyl compounds (as CH_3COCH_3) ..... 0,005 %
Water (H_2O) ..... 0,05 %
Chlorine (Cl) ..... 0,0005 %
Phosgene (Cl_2CO) ..... 0,0001 %
Chloride (Cl) ..... 0,00002 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,05
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	255	260	300
A (AU)	0,301	0,097	0,009
T (%)	50	80	98

Order code	Package	Units/Box st.
133101.1611	1000 ml	6
133101.1612	2,5 l	4
133101.1616	25 l	

Trichloromethane stabilized with ~50 ppm of amylene PA

$CHCl_3$

M: 119,38 CAS: 67-66-3 EINECS: 200-663-8 NC: 2903 13 00 UN: 1888
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 610 CAO: 612
HAZARDOUS:

Xn **R: 22-38-40-48/20/22 S: 36/37 CE: 602-006-00-4**

1l~1,478kg 1kg~0,677l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,6 %
Identity ..... IR p/t.
Density at 20/4 ..... >1,48

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Carbon Tetrachloride (G.C.) ..... 0,05 %
Dichloromethane (G.C.) ..... 0,05 %
Tetrachloroethylene (G.C.) ..... 0,05 %
Trichloroethylene (G.C.) ..... 0,05 %
Acidity ..... 0,00015 meq/g
Carbonyl compounds (as CH_3COCH_3) ..... 0,005 %
Water (H_2O) ..... 0,05 %
Chlorine (Cl) ..... 0,0005 %
Phosgene (Cl_2CO) ..... 0,0001 %
Chloride (Cl) ..... 0,00002 %

Metals by ICP [mg/Kg (ppm)]

Ca	0,5	Cu	0,02	Ni	0,02
Cd	0,05	Fe	0,1	Pb	0,05
Co	0,02	Mg	0,1	Zn	0,1
Cr	0,02	Mn	0,02		

Order code	Package	Units/Box st.
123101.1611	1000 ml	6
123101.1612	2,5 l	4
123101.1616	25 l	

Trichloromethane stabilized with ~50 ppm of amylene (BP) PRS-CODEX

$CHCl_3$

M: 119,38 CAS: 67-66-3 EINECS: 200-663-8 NC: 2903 13 00 UN: 1888
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 610 CAO: 612
HAZARDOUS:

Xn **R: 22-38-40-48/20/22 S: 36/37 CE: 602-006-00-4**

1l~1,478kg 1kg~0,677l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity according to Pharmacopoeias ..... p/t.
Density at 20/4 1,474-1,479
Distillation range ..... 60-62°C

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter ..... 0,002 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Chlorine foreign compounds ..... p/t.
Related substances ..... p/t.
Acidity or alkalinity ..... p/t.
Aldehyde ..... p/t.
Water (H_2O) ..... 0,1 %
Free chlorine (Cl) ..... 0,001 %
Chloride (Cl) ..... 0,0001 %
Cu ..... 0,00002 %
Fe ..... 0,00002 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
143101.1611	1000 ml	6
143101.1612	2,5 l	4
143101.1714	5 l	4
143101.0616	25 l	

Trichloromethane, 99,9% stabilized with ~50 ppm of amylene PS

$CHCl_3$

M: 119,38 CAS: 67-66-3 EINECS: 200-663-8 NC: 2903 13 00 UN: 1888
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 610 CAO: 612
HAZARDOUS:

Xn **R: 22-38-40-48/20/22 S: 36/37 CE: 602-006-00-4**

1l~1,478kg 1kg~0,677l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,9 %
Identity ..... IR p/t.
Density at 20/4 ..... >1,48
Non-volatile matter ..... 0,002 %
Acidity (as HCl) ..... 0,001 %
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
163101.1611	1000 ml	6
163101.1612	2,5 l	4
163101.1714	5 l	4
163101.0616	25 l	

VINIKIT

Análisis de vinos
Wine analysis
Analyse des vins

Trichloromethane stabilized with ethanol (UV-IR-HPLC-HPLC preparative) PAI

$CHCl_3$

M: 119,38 CAS: 67-66-3 EINECS: 200-663-8 NC: 2903 13 00 UN: 1888
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 610 CAO: 612
HAZARDOUS:

Xn

R: 22-38-40-48/20/22 S: 36/37 CE: 602-006-00-4
1l~1,478kg 1kg~0,677l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,0 %
Density at 20/4 1,476-1,486

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non volatile matter ..... 0,0003 %
Ethanol (G.C.) ..... 0,5-0,8 %
Acidity ..... 0,00015 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,01 %
Suitability for IR spectrometry ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	244 (Cut off)	245	250	257	260	270	280-400
A (AU)	1,000	0,699	0,301	0,097	0,071	0,046	0,009
T (%)	10	20	50	80	85	90	98

Fluorescence (as quinine):

λ (nm)	254	365
ppb	1	1

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 4,1
Eluotropic value E°(Al_2O_3) 0,4
Sol. H_2O in solv. at 20°C 0,072
P' + 0,25 E 5,6
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361252.1611	1000 ml	6
361252.1612	2,5 l	4
361252.1616	25 l	

Trichloromethane stabilized with ethanol (PAR) PAI

$CHCl_3$

M: 119,38 CAS: 67-66-3 EINECS: 200-663-8 NC: 2903 13 00 UN: 1888
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 610 CAO: 612
HAZARDOUS:

Xn

R: 22-38-40-48/20/22 S: 36/37 CE: 602-006-00-4
1l~1,478kg 1kg~0,677l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 20/4 1,476-1,486

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,0005 %
Ethanol (G.C.) ..... 0,5-0,8 %
Acidity ..... 0,00015 meq/g
Water (H_2O) ..... 0,05 %
Signal ECD of pesticide (Lindane to DDT) (as Lindane) ..... 5 ng/l
Signal PND of pesticide (Ethylparathion to Coumaphos)
(as Ethylparathion) ..... 5 ng/l
Signal FID of 2-Octanol to Tetradecanol (as 2-Octanol) ..... p/t.

Order code	Package	Units/Box st.
321252.1611	1000 ml	6
321252.1612	2,5 l	4

Trichloromethane stabilized with ethanol (Reag. Ph. Eur.) PA-ACS-ISO

$CHCl_3$

M: 119,38 CAS: 67-66-3 EINECS: 200-663-8 NC: 2903 13 00 UN: 1888
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 610 CAO: 612
HAZARDOUS:

Xn

R: 22-38-40-48/20/22 S: 36/37 CE: 602-006-00-4
1l~1,478kg 1kg~0,677l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,0 %
Minimum assay (G.C.) (stabilizer not included) ..... 99,8 %
Identity ..... IR p/t.
Density at 20/20 1,475-1,481

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,001 %
Ethanol (G.C.) ..... 0,5-0,8 %
Carbon Tetrachloride (G.C.) ..... 0,01 %
Dichloromethane (G.C.) ..... 0,01 %
Tetrachloroethylene (G.C.) ..... 0,01 %
Trichloroethylene (G.C.) ..... 0,01 %
Metallic impurities ..... p/t.
Suitability for use in dithizone tests ..... p/t.
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,00015 meq/g
Carbonyl compounds (as CH_3COCH_3) ..... 0,005 %
Water (H_2O) ..... 0,05 %
Chlorine (Cl) ..... 0,0005 %
Phosgene (Cl_2CO) ..... 0,0001 %
Chloride (Cl) ..... 0,00002 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,05
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131252.1611	1000 ml	6
131252.1612	2,5 l	4
131252.1616	25 l	

Trichloromethane stabilized with ethanol PA

$CHCl_3$

M: 119,38 CAS: 67-66-3 EINECS: 200-663-8 NC: 2903 13 00 UN: 1888
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 610 CAO: 612
HAZARDOUS:

Xn

R: 22-38-40-48/20/22 S: 36/37 CE: 602-006-00-4
1l~1,478kg 1kg~0,677l

SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,0 %
Minimum assay (G.C.) (stabilizer not included) ..... 99,6 %
Identity ..... IR p/t.
Density at 20/4 1,476-1,486

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter ..... 0,001 %
Ethanol (G.C.) ..... 0,5-0,8 %
Carbon Tetrachloride (G.C.) ..... 0,05 %
Dichloromethane (G.C.) ..... 0,05 %
Tetrachloroethylene (G.C.) ..... 0,05 %
Trichloroethylene (G.C.) ..... 0,05 %
Darkened substances by H_2SO_4 ..... p/t.
Acidity ..... 0,00015 meq/g
Carbonyl compounds (as CH_3COCH_3) ..... 0,005 %
Water (H_2O) ..... 0,05 %
Chlorine (Cl) ..... 0,0005 %
Phosgene (Cl_2CO) ..... 0,0001 %
Chloride (Cl) ..... 0,00002 %

Metals by ICP [mg/Kg (ppm)]

Ca	0,5	Cu	0,02	Ni	0,02
Cd	0,05	Fe	0,1	Pb	0,05
Co	0,02	Mg	0,1	Zn	0,1
Cr	0,02	Mn	0,02		

Order code	Package	Units/Box st.
121252.1611	1000 ml	6
121252.1612	2,5 l	4
121252.1616	25 l	

Trichloromethane stabilized with ethanol PRS

$CHCl_3$

M: 119,38 CAS: 67-66-3 EINECS: 200-663-8 NC: 2903 13 00 UN: 1888
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 610 CAO: 612
HAZARDOUS:

Xn R: 22-38-40-48/20/22 S: 36/37 CE: 602-006-00-4

1l~1,478kg 1kg~0,677l

SPECIFICATIONS:

Assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 25/25 1,476-1,486
Distillation range ..... 60-62°C
Non-volatile matter ..... 0,002 %
Ethanol (G.C.) ..... 0,5-0,8 %
Chlorine foreign compounds ..... p/t.
Chlorate decomposition products ..... p/t.
Related substances ..... p/t.
Darkened substances by H_2SO_4 ..... p/t.
Acidity or alkalinity ..... p/t.
Carbonyl compounds ..... p/t.
Water (H_2O) ..... 0,1 %
Free chlorine (Cl) ..... 0,001 %
Phosgene (Cl_2CO) ..... 0,0005 %
Chloride (Cl) ..... 0,0001 %
Cu ..... 0,00002 %
Fe ..... 0,00002 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141252.1611	1000 ml	6
141252.1612	2,5 l	4
141252.1714	5 l	4
141252.0616	25 l	

Trichloromethane, 99% stabilized with ethanol PS

$CHCl_3$

M: 119,38 CAS: 67-66-3 EINECS: 200-663-8 NC: 2903 13 00 UN: 1888
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 610 CAO: 612
HAZARDOUS:

Xn R: 22-38-40-48/20/22 S: 36/37 CE: 602-006-00-4

1l~1,478kg 1kg~0,677l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Minimum assay (G.C.) (stabilizer not included) ..... 99,9 %
Identity ..... IR p/t.
Density at 20/4 1,476-1,486
Non-volatile matter ..... 0,002 %
Ethanol (G.C.) ..... 0,5-0,8 %
Acidity (as HCl) ..... 0,001 %
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
161252.1611	1000 ml	6
161252.1612	2,5 l	4
161252.1714	5 l	4
161252.0616	25 l	
161252.0619	200 l	

Trichloromethane stabilized with ethanol QP

$CHCl_3$

M: 119,38 CAS: 67-66-3 EINECS: 200-663-8 NC: 2903 13 00 UN: 1888
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 610 CAO: 612
HAZARDOUS:

Xn R: 22-38-40-48/20/22 S: 36/37 CE: 602-006-00-4

1l~1,478kg 1kg~0,677l

SPECIFICATIONS:

Assay (G.C.) ..... 98 %
Density at 20/4 1,476-1,486
Ethanol (G.C.) ..... 0,5-0,8 %
Acidity ..... 0,0015 meq/g
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
211252.1611	1000 ml	6
211252.1612	2,5 l	4
211252.1714	5 l	4
211252.0616	25 l	
211252.0619	200 l	

Trichloromethane stabilized with 1-2% of ethanol (BP) PRS-CODEX

$CHCl_3$

M: 119,38 CAS: 67-66-3 EINECS: 200-663-8 NC: 2903 13 00 UN: 1888
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 610 CAO: 612
HAZARDOUS:

Xn R: 22-38-40-48/20/22 S: 36/37 CE: 602-006-00-4

1l~1,48kg 1kg~0,67l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98,0 %
Identity according to Pharmacopoeias ..... p/t.
Density at 20/4 1,474-1,479
Distillation range ..... 60-62°C

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter ..... 0,002 %
Ethanol (G.C.) ..... 1,0-2,0 %
Chlorine foreign compounds ..... p/t.
Related substances ..... p/t.
Acidity or alkalinity ..... p/t.
Aldehyde ..... p/t.
Free chlorine (Cl) ..... p/t.
Chloride (Cl) ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t.

Order code	Package	Units/Box st.
142502.1611	1000 ml	6
142502.1612	2,5 l	4
142502.1714	5 l	4
142502.0616	25 l	

Trichloromethane-D1 deuteration degree min. 99,95% (NMR) PAI

$CDCl_3$

M: 120,38 CAS: 865-49-6 EINECS: 212-742-4 NC: 2845 90 10 UN: 1888
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 610 CAO: 612
HAZARDOUS:

Xn R: 22-38-40-48/20/22 S: 36/37

1l~1,50kg 1kg~0,67l

SPECIFICATIONS:

Deuteration degree min. ..... 99,95 %
NMR suitability ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Water (H_2O+D_2O) ..... 0,01 %

Order code	Package	Units/Box st.
745847.02130	10 x 0,75 ml	6
745847.1605	10 ml	6

Trichloromethane-D1 deuteration degree min. 99,95% stabilized with Ag (NMR) PAI

$CDCl_3$

M: 120,38 CAS: 865-49-6 EINECS: 212-742-4 NC: 2845 90 10 UN: 1888
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 610 CAO: 612
HAZARDOUS:

Xn R: 22-38-40-48/20/22 S: 36/37

1l~1,50kg 1Kg~0,67l

SPECIFICATIONS:

Deuteration degree min. ..... 99,95 %
NMR suitability ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Water (H_2O+D_2O) ..... 0,01 %

Order code	Package	Units/Box st.
745848.1608	100 ml	6

Trichloromethane-D1 deuteration degree min. 99,8% stabilized with Ag (NMR) PAI

$CDCl_3$

M: 120,38 CAS: 865-49-6 EINECS: 212-742-4 NC: 2845 90 10 UN: 1888
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 610 CAO: 612
HAZARDOUS:

Xn R: 22-38-40-48/20/22 S: 36/37

1l~1,50kg 1kg~0,67l

SPECIFICATIONS:

Deuteration degree min. ..... 99,8 %
NMR suitability ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Water (H_2O+D_2O) ..... 0,02 %

Order code	Package	Units/Box st.
745846.1608	100 ml	6
745846.1610	500 ml	6

1,1,1-Trichloro-2-Methyl-2-Propanol 1/2-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX

Storage between +8 and +15°C.
$C_4H_7Cl_3O.^1/_2H_2O$

M: 186,47 CAS: 6001-64-5 EINECS: 200-317-6 NC: 2905 59 99

SPECIFICATIONS:
Assay (Arg.) calc. a.a.s 98,0-101,0%
Identity according to Pharmacopoeias .... p/t.

MAXIMUM LIMIT OF IMPURITIES
Appearance of solution .... p/t.
Insoluble matter in C_2H_5OH 96% .... p/t.
Residue on ignition (as SO_4) .... 0,1 %
Acidity .... p/t.
Water (H_2O) .... 4,5-5,5 %
Choride (Cl) .... 0,01 %
Residual solvents (Ph.Eur./USP) .... p/t.

Order code	Package	Units/Box st.
145300.1211	1000 g P	6
145300.0914	5 kg PP	

2,4,6-Trichlorophenol, 98% PS

$C_6H_3Cl_3O$

M: 197,45 CAS: 88-06-2 EINECS: 201-795-9 NC: 2908 19 00 UN: 2020
IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn N **R: 22-36/38-40-50/53 S: 36/37-60-61 CE: 604-018-00-5**

SPECIFICATIONS:
Minimum assay (G.C.) .... 98 %
Identity .... IR p/t.
Melting range .... 65-67°C
Water (H_2O) .... 0,3 %

Order code	Package	Units/Box st.
15A618.1609	250 g	6
15A618.1611	1000 g	4

1,1,2-Trichlorotrifluoroethane (UV-IR-HPLC) (E.U.) PAI

for Essential Uses
$C_2Cl_3F_3$

M: 187,38 CAS: 76-13-1 EINECS: 200-936-1 NC: 2903 43 00 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

N **R: 59 S: 61**

1l~1,580kg 1kg~0,633l

SPECIFICATIONS:
Minimum assay (G.C.) .... 99,9 %
Density at 20/4 1,578-1,582

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non volatile matter .... 0,0005 %
Acidity .... 0,0002 meq/g
Alkalinity .... 0,0002 meq/g
Water (H_2O) .... 0,005 %
Hydrocarbons (related to squalane/squalene (3050-2900 cm^{-1}) .... 0,0002 %
Suitability for IR spectrometry .... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	233 (Cut off)	235	240	245	250	260-400
A (AU)	1,000	0,699	0,301	0,097	0,036	0,009
T (%)	10	20	50	80	92	98

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
363266.1611	1000 ml	6
363266.1612	2,5 l	4

1,1,2-Trichlorotrifluoroethane (ACS IX, Reag. USP, Ph. Eur.) (E.U.) PA-ACS

for Essential Uses
$C_2Cl_3F_3$

M: 187,38 CAS: 76-13-1 EINECS: 200-936-1 NC: 2903 43 00 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

N **R: 59 S: 61**

1l~1,580kg 1kg~0,633l

SPECIFICATIONS:
Minimum assay (G.C.) .... 99,8 %
Identity .... IR p/t.
Density at 20/4 1,578-1,582
Boiling range (>98% dist.) .... 47-48°C

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter .... 0,0005 %
Carbon Tetrachloride (G.C.) .... 0,01 %
Tetrachloroethylene (G.C.) .... 0,01 %
Trichloroethylene (G.C.) .... 0,01 %
Trichloromethane (G.C.) .... 0,01 %
Darkened substances by H_2SO_4 .... p/t.
Reducing substances I_2 (as I) .... 0,0016 %
Acidity .... 0,0003 meq/g
Carbonyl compounds (as CH_3COCH_3) .... 0,001 %
Water (H_2O) .... 0,005 %
Free chlorine (Cl) .... 0,00003 %
Chloride (Cl) .... 0,00003 %
Ca .... 0,00005 %
Cd .... 0,000005 %
Co .... 0,000002 %
Cr .... 0,000002 %
Cu .... 0,000002 %
Fe .... 0,00001 %
Mg .... 0,00001 %
Mn .... 0,000002 %
Ni .... 0,000002 %
Pb .... 0,00001 %
Zn .... 0,00001 %

Order code	Package	Units/Box st.
133266.1611	1000 ml	6
133266.1612	2,5 l	4

1,1,2-Trichlorotrifluoroethane (ACS IX, Reag. USP, Ph. Eur.) (B.D.N.) PA-ACS

for Basic Domestic Needs
$C_2Cl_3F_3$

M: 187,38 CAS: 76-13-1 EINECS: 200-936-1 NC: 2903 43 00 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

N **R: 59 S: 61**

1l~1,580kg 1kg~0,633l

SPECIFICATIONS:
Minimum assay (G.C.) .... 99,8 %
Identity .... IR p/t.
Density at 20/4 1,578-1,582
Boiling range (>98% dist.) .... 47-48°C

MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Non-volatile matter .... 0,0005 %
Carbon Tetrachloride (G.C.) .... 0,01 %
Tetrachloroethylene (G.C.) .... 0,01 %
Trichloroethylene (G.C.) .... 0,01 %
Trichloromethane (G.C.) .... 0,01 %
Darkened substances by H_2SO_4 .... p/t.
Reducing substances I_2 (as I) .... 0,0016 %
Acidity .... 0,0003 meq/g
Carbonyl compounds (as CH_3COCH_3) .... 0,001 %
Water (H_2O) .... 0,005 %
Free chlorine (Cl) .... 0,00003 %
Chloride (Cl) .... 0,00003 %
Ca .... 0,00005 %
Cd .... 0,000005 %
Co .... 0,000002 %
Cr .... 0,000002 %
Cu .... 0,000002 %
Fe .... 0,00001 %
Mg .... 0,00001 %
Mn .... 0,000002 %
Ni .... 0,000002 %
Pb .... 0,00001 %
Zn .... 0,00001 %

Order code	Package	Units/Box st.
136422.1611	1000 ml	6
136422.1612	2,5 l	4

1,1,2-Trichlorotrifluoroethane, 99,8% (E.U.) PS

for Essential Uses
$C_2Cl_3F_3$
M: 187,38 CAS: 76-13-1 EINECS: 200-936-1 NC: 2903 43 00 UN: 3082
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911
HAZARDOUS:
R: 59 S: 61
1l~1,580kg 1kg~0,633l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,8 %
Identity ..... IR p/t.
Density at 20/4 1,578-1,582
Non-volatile matter ..... 0,001 %
Acidity (as HCl) ..... 0,002 %
Water (H_2O) ..... 0,01 %

Order code	Package	Units/Box st.
163266.1611	1000 ml	6
163266.1612	2,5 l	4

TRICINE

(see N-[Tris (Hydroxymethyl) Methyl] Glycine)

Triethanolamine PA

$C_6H_{15}NO_3$
M: 149,19 CAS: 102-71-6 EINECS: 203-049-8 NC: 2922 13 10
1l~1,124kg 1kg~0,890l
SPECIFICATIONS:
Minimum assay (Acidim.) ..... 99,0 %
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
APHA colour 50
Residue on ignition (as SO_4) ..... 0,01 %
Ethanolamine (G.C.) ..... 0,1 %
Diethanolamine (G.C.) ..... 0,5 %
Chloride (Cl) ..... 0,001 %
Water (H_2O) ..... 0,1 %
Heavy metals (as Pb) ..... 0,0001 %
Fe ..... 0,0001 %

Order code	Package	Units/Box st.
121750.1609	250 ml	6
121750.1611	1000 ml	6

Triethanolamine (USP-NF) PRS-CODEX

$C_6H_{15}NO_3$
M: 149,19 CAS: 102-71-6 EINECS: 203-049-8 NC: 2922 13 10
1l~1,124kg 1kg~0,890l
SPECIFICATIONS:
Assay (Acidim.) 99,0-107,4%
Identity according to Pharmacopoeias ..... p/t.
Density at 25/25 1,120-1,128
Refractive index n^{20}/D 1,482-1,485
MAXIMUM LIMIT OF IMPURITIES
Residue on ignition (as SO_4) ..... 0,05 %
Total bases ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t
Related substances ..... p/t.
Water (H_2O) ..... 0,15 %
Heavy metals (as Pb) ..... 0,0005 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141750.1611	1000 ml	6
141750.1612	2,5 l	4
141750.1214	5 l	4
141750.0716	25 l	
141750.0718	60 l	

Triethanolamine (BP, Ph. Eur.) CODEX

$C_6H_{15}NO_3$
M: 149,19 CAS: 102-71-6 EINECS: 203-049-8 NC: 2922 13 10
1l~1,124kg 1kg~0,890l
SPECIFICATIONS:
Assay (Acidim.) ..... 99,0-103,0 %
Identity according to Pharmacopoeias ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Residue on ignition (as SO_4) ..... 0,1 %
Related substances ..... p/t.
N-Nitrosodiethanolamine ..... 25 ppb
Water (H_2O) ..... 1,0 %
Heavy metals (as Pb) ..... 0,001 %
Residual solvents (Ph.Eur./USP) ..... p/t.

Order code	Package	Units/Box st.
191750.1611	1000 ml	6
191750.1612	2,5 l	4
191750.1214	5 l	4
191750.0716	25 l	
191750.0718	60 l	

Triethanolamine, 98% PS

$C_6H_{15}NO_3$
M: 149,19 CAS: 102-71-6 EINECS: 203-049-8 NC: 2922 13 10
1l~1,124kg 1kg~0,890l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Water (H_2O) ..... 0,3 %

Order code	Package	Units/Box st.
161750.1211	1000 ml	6
161750.1214	5 l	4
161750.0716	25 l	

Triethylamine (Reag. USP) PA

$C_6H_{15}N$
M: 101,19 CAS: 121-44-8 EINECS: 204-469-4 NC: 2921 19 10 UN: 1296
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
R: 11-20/21/22-35 S: 3-16-26-29-36/37/39-45
CE: 612-004-00-5
1l~0,727kg 1kg~1,376l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,725-0,729
Boiling range ..... 89-90°C
MAXIMUM LIMIT OF IMPURITIES
Non-volatile matter ..... 0,005 %
ABS at λ 285 nm 1% sol. in $CH_3OH/CHCl_3$ 0,01
Water (H_2O) ..... 0,1 %
Ethanol (G.C.) ..... 0,05 %
Diethylamine (G.C.) ..... 0,05 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00001 %

Order code	Package	Units/Box st.
123542.1611	1000 ml	6

Triethylamine, 99,5% PS

$C_6H_{15}N$
M: 101,19 CAS: 121-44-8 EINECS: 204-469-4 NC: 2921 19 10 UN: 1296
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
R: 11-20/21/22-35 S: 3-16-26-29-36/37/39-45
CE: 612-004-00-5
1l~0,727kg 1kg~1,376l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Density at 20/4 0,725-0,729
Non-volatile matter ..... 0,01 %
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
163542.1611	1000 ml	6

Triethylene Glycol, 99% PS

$(CH_2OCH_2CH_2OH)_2$
M: 150,18 CAS: 112-27-6 EINECS: 203-953-2 NC: 2909 49 18
HAZARDOUS:
S: 24/25
1l~1,123kg 1kg~0,890l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,120-1,125
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
15A882.1611	1000 ml	6
15A882.1612	2,5 l	4
15A882.1214	5 l	4
15A882.0716	25 l	

Triflic Acid

(see Trifluoromethansulphonic Acid)

2,2,2-Trifluoroacetamide, 98% PS

$C_2H_2F_3NO$

M: 113,04 CAS: 354-38-1 EINECS: 206-559-9 NC: 2924 19 00

HAZARDOUS:

Xi

R: 36/37/38 S: 26-36

SPECIFICATIONS:

Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Melting range ..... 68-75 °C

Order code	Package	Units/Box st.
15A615.1206	25 g	6

Trifluoroacetic Acid (UV) PAI

$C_2HF_3O_2$

M: 114,02 CAS: 76-05-1 EINECS: 200-929-3 NC: 2915 90 80 UN: 2699
IMDG: 8/I ADR: 8/I IATA: 8/I PAX: 807 CAO: 809

HAZARDOUS:

C

R: 20-35-52/53 S: 9-26-27-28a-45-61 CE: 607-091-00-1

1l~1,489kg 1kg~0,671l

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99,8 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Water (H_2O) ..... 0,1 %

UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	260 (Cut off)	305	320	325-450
A (AU)	1,000	0,301	0,097	0,046
T (%)	10	50	80	90

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
363317.1608	100 ml	6

Trifluoroacetic Acid PB

sequential protein analysis

$C_2HF_3O_2$

M: 114,02 CAS: 76-05-1 EINECS: 200-929-3 NC: 2915 90 80 UN: 2699
IMDG: 8/I ADR: 8/I IATA: 8/I PAX: 807 CAO: 809

HAZARDOUS:

C

R: 20-35-52/53 S: 9-26-27-28a-45-61 CE: 607-091-00-1

1l~1,489kg 1kg~0,671l

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99,5 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Chloride (Cl) ..... 0,001 %
Fluoride (F) ..... 0,005 %
Sulphate (SO_4) ..... 0,001 %
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
373317.1608	100 ml	6

Trifluoroacetic Acid, 99% PS

$C_2HF_3O_2$

M: 114,02 CAS: 76-05-1 EINECS: 200-929-3 NC: 2915 90 80 UN: 2699
IMDG: 8/I ADR: 8/I IATA: 8/I PAX: 807 CAO: 809

HAZARDOUS:

C

R: 20-35-52/53 S: 9-26-27-28a-45-61 CE: 607-091-00-1

1l~1,489kg 1kg~0,671l

SPECIFICATIONS:

Minimum assay (Acidim.) ..... 99 %
Identity ..... IR p/t.
Water (H_2O) ..... 0,3 %

Order code	Package	Units/Box st.
163317.1608	100 ml	6
163317.1611	1000 ml	6

Trifluoroacetic Acid-D1 deuteration degree min. 99,5% (NMR) PAI

CF_3COOD

M: 115,03 CAS: 599-00-8 EINECS: 209-961-2 NC: 2845 90 10 UN: 2699
IMDG: 8/I ADR: 8/I IATA: 8/I PAX: 807 CAO: 809

HAZARDOUS:

C

R: 20-35-52/53 S: 9-26-27-28a-36/37/39-45-61

1l~1,50kg 1kg~0,67l

SPECIFICATIONS:

Deuteration degree min. ..... 99,5 %
NMR suitability ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Water (H_2O+D_2O) ..... 0,05 %

Order code	Package	Units/Box st.
745870.02130	10 x 0,75 ml	6
745870.1605	10 ml	6

Trifluoroacetic Acid Ethyl Ester

(see Ethyl Trifluoroacetate)

Trifluoroacetic Anhydride CG

for derivatization (GC)

$C_4F_6O_3$

M: 210,03 CAS: 407-25-0 EINECS: 206-982-9 NC: 2915 90 80 UN: 1760
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

C

R: 14-20-35-52/53 S: 8-26-36/37/39-45-57-60

1l~1,510kg 1kg~0,662l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,5 %
Identity ..... IR p/t.
Product bottled under nitrogen atmosphere.

Order code	Package	Units/Box st.
353316.0922	20 x 1 ml	6
353316.1905	10 ml	6

Trifluoroacetic Anhydride, 99% PS

$C_4F_6O_3$

M: 210,03 CAS: 407-25-0 EINECS: 206-982-9 NC: 2915 90 80 UN: 1760
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

C

R: 14-20-35-52/53 S: 8-26-36/37/39-45-57-60

1l~1,510kg 1kg~0,662l

SPECIFICATIONS:

Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
153316.1608	100 ml	6
153316.1610	500 ml	6

α,α,α-Trifluoroanisaldehyde

(see 4-(Trifluoromethoxy) Benzaldehyde)

α,α,α-Trifluoro-m-Cresol

(see 3-(Trifluoromethyl) Phenol)

2,2,2-Trifluoroethanol, 99% PS

$C_2H_3F_3O$

M: 100,04 CAS: 75-89-8 EINECS: 200-913-6 NC: 2905 59 10 UN: 1993
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xn

R: 10-22-36/37/38 S: 23c-26

1l~1,390kg 1kg~0,719l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 1,389-1,392
Water (H_2O) ..... 0,2 %

Order code	Package	Units/Box st.
164527.1608	100 ml	6
164527.1609	250 ml	6
164527.1611	1000 ml	6

Trifluoromethansulphonic Acid, 99% PS

CHF_3O_3S

M: 150,08 CAS: 1493-13-6 EINECS: 216-087-5 NC: 2904 90 20 UN: 3265
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C

R: 35 S: 26-36/37/39-45
1l~1,70kg 1kg~0,59l
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A460.1605	10 ml	6
15A460.1607	50 ml	6

4-(Trifluoromethoxy) Benzaldehyde, 98% PS

$C_8H_5F_3O_2$

M: 190,12 CAS: 659-28-9 EINECS: 211-531-4 NC: 2913 00 00
HAZARDOUS:

Xi

R: 36/37/38 S: 26-36/37/39
1l~1,331kg 1kg~0,751l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C081.1603	1 ml	6
15C081.1604	5 ml	6

3-(Trifluoromethyl) Benzaldehyde, 98% PS

$C_8H_5F_3O$

M: 174,12 CAS: 454-89-7 EINECS: 207-228-1 NC: 2913 00 00
HAZARDOUS:

Xi

R: 36/37/38 S: 24/25-26-36
1l~1,301kg 1kg~0,769l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C080.1604	5 ml	6
15C080.1606	25 ml	6

3-(Trifluoromethyl) Phenol, 98% PS

$C_7H_5F_3O$

M: 162,11 CAS: 98-17-9 EINECS: 202-645-5 NC: 2908 19 00
HAZARDOUS:

Xi

R: 36/37/38 S: 26-36
1l~1,336kg 1kg~0,748l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B616.1606	25 ml	6
15B616.1608	100 ml	6

α,α,α-Trifluoro-m-Toluylaldehyde

(see 3-(Trifluoromethyl) Benzaldehyde)

1,1,2-Trifluorotrichloroethane

(see 1,1,2-Trichlorotrifluoroethane)

Triglycol

(see Triethylene Glycol)

2,2',2"-Trihydroxytriethylamine

(see Triethanolamine)

Triisopropylchlorosilane

(see Chlorotriisopropylsilane)

Triisopropylsilyl Chloride

(see Chlorotriisopropylsilane)

Triiodomethane

(see Iodoform)

2',4',6'-Trimethylacetophenone, 98% PS

$C_{11}H_{14}O$

M: 162,23 CAS: 1667-01-2 EINECS: 216-783-9 NC: 2914 39 00
1l~0,975kg 1kg~1,026l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15C010.1606	25 ml	6
15C010.1608	100 ml	6

endo-[1S]-1,7,7-Trimethylbicyclo-[2.2.1]-Heptane-2-ol

(see (-)-Borneol)

Trimethyl Borate azeotrope with methanol 70:30 PS

$C_3H_9BO_3$

M: 103,91 CAS: 121-43-7 EINECS: 204-468-9 NC: 3822 00 00 UN: 1992
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F T

R: 11-23/24/25-39/23/24/25 S: 7-16-36/37-45
1l~0,899kg 1kg~1,112l
SPECIFICATIONS:
Minimum assay (Acidim.) w/w ..... 70 %
Density at 20/4 0,883-0,915

Order code	Package	Units/Box st.
163258.1610	500 ml	6

Trimethylbromomethane

(see 2-Bromo-2-Methylpropane)

Trimethylchlorosilane

(see Chlorotrimethylsilane)

α,α,4-Trimethyl-3-Cyclohexene-1-Methanol

(see α-Terpineol)

Trimethylene Glycol

(see 1,3-Propanediol)

Trimethyl Ester Methyl Phosphate

(see Trimethyl Phosphate)

Trimethyliodosilane

(see Iodotrimethylsilane)

Trimethyloxonium tetra-Fluoroborate, 97% PS

$C_3H_9BF_4O$

M: 147,91 CAS: 420-37-1 EINECS: 206-994-4 NC: 2942 00 00 UN: 3131
IMDG: 4.3/I ADR: 4.3/I IATA: 4.3/I PAX: P CAO: 411
HAZARDOUS:

C

R: 14-34 S: 26-36/37/39-45
SPECIFICATIONS:
Minimum assay ..... 97 %
Product bottled under nitrogen atmosphere.

Order code	Package	Units/Box st.
15A229.1605	10 g	6

2,2,4-Trimethylpentane

(see Isooctane)

Trimethyl Phosphate, 99% PS

$C_3H_9O_4P$

M: 140,08 CAS: 512-56-1 EINECS: 208-144-8 NC: 2919 90 90
HAZARDOUS:

T

R: 46-22-40-36/38 S: 53-36/37-26-45
1l~1,197kg 1kg~0,835l
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15B205.1608	100 ml	6
15B205.1610	500 ml	6

Trimethylsilylacetylene, 98% PS

$C_5H_{10}Si$

M: 98,22 CAS: 1066-54-2 EINECS: 213-919-9 NC: 2931 00 95 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F R: 11 S: 7-9-16-29-33

1l~0,700kg 1kg~1,429l
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A324.1604	5 ml	6
15A324.1606	25 ml	6

Trimethylsilyl Chloride

(see Chlorotrimethylsilane)

N-(Trimethylsilyl) Diethylamine CG

for derivatization (GC)

M: 145,32 CAS: 996-50-9 EINECS: 213-637-6 NC: 2931 00 95 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F C R: 11-34 S: 16-24/25

1l~0,767kg 1kg~1,304l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 95,0 %
Identity ..... IR p/t.
Product bottled under nitrogen atmosphere.

Order code	Package	Units/Box st.
352615.0922	20 x 1 ml	6
352615.1905	10 ml	6
352615.2522	10 x 10 ml	6

N-(Trimethylsilyl) Imidazole CG

for derivatization (GC)
$C_6H_{12}N_2Si$

M: 140,26 CAS: 18156-74-6 EINECS: 242-040-3 NC: 2933 29 90 UN: 1993
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

F R: 10 S: 16

1l~0,956kg 1kg~1,046l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Product bottled under nitrogen atmosphere.

Order code	Package	Units/Box st.
352616.0922	20 x 1 ml	6
352616.1905	10 ml	6
352616.2522	10 x 10 ml	6

N-(Trimethylsilyl) Imidazole, 98% PS

$C_6H_{12}N_2Si$

M: 140,26 CAS: 18156-74-6 EINECS: 242-040-3 NC: 2933 29 90 UN: 1993
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

F R: 10 S: 16

1l~0,956kg 1kg~1,046l
SPECIFICATIONS:
Minimum assay (G.C.) ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
152616.1606	25 ml	6
152616.1608	100 ml	6

Trimethylsulphonium Hydroxide 0,2 mol/l in methanol CG

for derivatization (GC)
$(CH_3)_3SOH$

M: 94,18 CAS: 17287-03-5 NC: 3822 00 00 UN: 1992
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:

F T R: 11-23/24/25-39/23/24/25-34 S: 7-16-26-36/37/39-45

1l~0,810kg 1kg~1,235l
Product bottled under nitrogen atmosphere.

Order code	Package	Units/Box st.
355585.0922	20 x 1 ml	6

2,4,6-Trinitrophenol

(see Picric Acid)

Triphenylchloromethane, 98% PS

$C_{19}H_{15}Cl$

M: 278,78 CAS: 76-83-5 EINECS: 200-986-4 NC: 2908 19 00 UN: 1759
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 814 CAO: 816
HAZARDOUS:

C R: 34 S: 24/25

SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A155.1606	25 g	6
15A155.1608	100 g	6
15A155.1610	500 g	6

(R)-1,1,2-Triphenyl-1,2-Ethanediol

(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

(S)-1,1,2-Triphenyl-1,2-Ethanediol

(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

Triphenylmethyl Chloride

(see Triphenylchloromethane)

(R)-Triphenyloxirane

(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

(S)-Triphenyloxirane

(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

Triphenylphosphine, 99% PS

$C_{18}H_{15}P$

M: 262,29 CAS: 603-35-0 EINECS: 210-036-0 NC: 2931 00 95
HAZARDOUS:

Xn R: 22-43-53 S: 24-37-61

SPECIFICATIONS:
Minimum assay ..... 99 %

Order code	Package	Units/Box st.
15A367.1608	100 g	6
15A367.1610	500 g	6

2,3,5-Triphenyl-2H-Tetrazolium Chloride PB

$C_{19}H_{15}ClN_4$

M: 334,81 CAS: 298-96-4 EINECS: 206-071-6 NC: 2933 99 90
SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O ..... p/t.
Al ..... 0,0005 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
K ..... 0,005 %
Mg ..... 0,0005 %
Mn ..... 0,0005 %
Na ..... 0,01 %
Ni ..... 0,0005 %
Pb ..... 0,001 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
374950.1605	10 g	6
374950.1606	25 g	6
374950.1608	100 g	6

Triphosgene, 98% PS

$(Cl_3CO)_2CO$

M: 296,75 CAS: 32315-10-9 EINECS: 250-986-3 NC: 2920 90 10 UN: 2811
IMDG: 6.1/I ADR: 6.1/I IATA: 6.1/I PAX: 606 CAO: 607
HAZARDOUS:

T+ R: 26 S: 9-28a-36/37/39-45

SPECIFICATIONS:
Assay ..... 98 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
15A100.1604	5 g	6
15A100.1606	25 g	6

Tris
(see Tris (Hydroxymethyl) Aminomethane)

Tris Hydrochloride
(see Tris (Hydroxymethyl) Aminomethane Hydrochloride)

Tris (2-Hydroxyethyl) Amine
(see Triethanolamine)

Tris (Hydroxymethyl) Aminomethane EQP-ACS
Primary Chemical Matter
$C_4H_{11}NO_3$
M: 121,14 CAS: 77-86-1 EINECS: 201-064-4 NC: 2922 19 80
HAZARDOUS:
Xi
R: 36/38
SPECIFICATIONS:
Assay (Perchl.Ac.)(after dried at 105°C) 99,95-100,05%
Identity....IR p/t.
Melting range....169-171°C
pH of 0,05 mol/l sol. 10,2-10,6
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O....0,005 %
Residue on ignition (as SO_4)....0,01 %
ABS at λ290 nm 40% sol. in water 0,2
Chloride (Cl)....0,0005 %
Heavy metals (as Pb)....0,0005 %
As ....0,00005 %
Ca....0,001 %
Cd....0,0001 %
Co....0,0001 %
Cr....0,0001 %
Cu....0,0002 %
Fe....0,0005 %
K ....0,001 %
Mg ....0,001 %
Na....0,001 %
Ni ....0,0005 %
Pb ....0,0002 %
Zn ....0,0002 %

Order code	Package	Units/Box st.
241940.1521	10 x 1,5 g	6
241940.1608	100 g	6

Tris (Hydroxymethyl) Aminomethane PA-ACS
$C_4H_{11}NO_3$
M: 121,14 CAS: 77-86-1 EINECS: 201-064-4 NC: 2922 19 80
HAZARDOUS:
Xi
R: 36/38
SPECIFICATIONS:
Assay (Acidim.) a.d.s 99,8-100,1%
Identity....IR p/t.
Melting range....169-171°C
pH of 0,05 mol/l solution 10,2-10,6
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O....0,005 %
Residue on ignition (as SO_4)....0,01 %
Water (H_2O)....0,5 %
ABS at λ290 nm 40% sol. in water 0,2
Chloride (Cl)....0,0005 %
Heavy metals (as Pb)....0,0005 %
As ....0,00005 %
Ca....0,001 %
Cd....0,0001 %
Co....0,0001 %
Cr....0,0001 %
Cu....0,0002 %
Fe....0,0005 %
K ....0,001 %
Mg ....0,001 %
Na....0,001 %
Ni ....0,0005 %
Pb ....0,0002 %
Zn ....0,0002 %

Order code	Package	Units/Box st.
131940.1209	250 g	6
131940.1211	1000 g	6
131940.0914	5 kg	

Tris (Hydroxymethyl) Aminomethane (RFE, USP, BP, Ph. Eur.) PRS-CODEX
$C_4H_{11}NO_3$
M: 121,14 CAS: 77-86-1 EINECS: 201-064-4 NC: 2922 19 80
HAZARDOUS:
Xi
R: 36/38
SPECIFICATIONS:
Assay (Acidim.) calc. a.d.s....99,0-100,5%
Identity according to Pharmacopoeias ....p/t.
Melting range....168-172°C
pH of 5% solution 10,0-11,5
T.L.C ....p/t.
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ....p/t.
Insoluble matter in H_2O....0,025 %
Loss on drying at 105°C....0,5 %
Residue on ignition (as SO_4) ....0,1 %
Chloride (Cl)....0,003 %
Residual solvents (Ph.Eur./USP)....p/t
Heavy metals (as Pb)....0,001 %
As ....0,0001 %
Cu....0,001 %
Fe....0,001 %
Ni ....0,001 %
Pb ....0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141940.1209	250 g	6
141940.1211	1000 g	6
141940.0914	5 kg	

Tris (Hydroxymethyl) Aminomethane Hydrochloride PB
$C_4H_{12}ClNO_3$
M: 157,60 CAS: 1185-53-1 EINECS: 214-684-5 NC: 2922 19 80
SPECIFICATIONS:
Minimum assay (Perchl. Ac.) ....99,0 %
Identity....IR p/t.
Melting range....150-152°C
pH of 5% solution 3,5-5,0
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O....0,01 %
Water (H_2O)....0,5 %
ABS at λ260 nm 10% sol. in H_2O....0,06
ABS at λ280 nm 10% sol. in H_2O....0,05
Heavy metals (as Pb)....0,0002 %
As ....0,001 %
Ba ....0,0001 %
Ca....0,0005 %
Cu....0,0001 %
Fe....0,0005 %
Mg ....0,0005 %
Mn ....0,0001 %

Order code	Package	Units/Box st.
373654.1209	250 g	6
373654.1211	1000 g	6

Tris (Hydroxymethyl) Aminomethane Hydrochloride PA
$C_4H_{12}ClNO_3$
M: 157,60 CAS: 1185-53-1 EINECS: 214-684-5 NC: 2922 19 80
SPECIFICATIONS:
Minimum assay (Perchl. Ac.) ....99 %
Identity....IR p/t.
Melting range....150-152°C
pH of 5% solution 3,5-5,0
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2O....0,01 %
Residue on ignition (as SO_4) ....0,02 %
Water (H_2O)....0,5 %
ABS at λ240 nm 10% sol. in H_2O....0,1
ABS at λ260 nm 10% sol. in H_2O....0,05
ABS at λ280 nm 10% sol. in H_2O....0,05
ABS at λ300 nm 10% sol. in H_2O....0,02
Sulphate (SO_4) ....0,005 %
Heavy metals (as Pb)....0,0002 %
Cd....0,0005 %
Co....0,0005 %
Cr....0,0005 %
Cu....0,0005 %
Fe....0,0005 %
Ni ....0,0005 %
Pb ....0,0005 %
Zn ....0,0005 %

Order code	Package	Units/Box st.
123654.1208	100 g	6
123654.1209	250 g	6

N-[Tris (Hydroxymethyl) Methyl] 2-Aminoethanesulphonic Acid PB

$C_6H_{15}NO_6S$

M: 229,25 CAS: 7365-44-8 EINECS: 230-906-3 NC: 2922 19 80

SPECIFICATIONS:

Minimum assay ..... 99 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C ..... 1 %
Residue on ignition (as SO_4) ..... 0,1 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
ABS at λ260 nm of 0,1 mol/l sol. in H_2O 0,05
ABS at λ280 nm of 0,1 mol/l sol. in H_2O 0,05

Order code	Package	Units/Box st.
376148.1206	25 g	6
376148.1209	250 g	6

N-[Tris (Hydroxymethyl) Methyl] 3-Aminopropanesulphonic Acid PB

$C_7H_{17}NO_6S$

M: 243,27 CAS: 29915-38-6 EINECS: 249-954-1 NC: 2922 19 80

SPECIFICATIONS:

Minimum assay ..... 99,5 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C ..... 0,1 %
Residue on ignition (as SO_4) ..... 0,1 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %
ABS at λ260 nm of 0,1 mol/l sol. in H_2O 0,012
ABS at λ280 nm of 0,1 mol/l sol. in H_2O 0,008

Order code	Package	Units/Box st.
376146.1206	25 g	6
376146.1209	250 g	6

N-[Tris (Hydroxymethyl) Methyl] Glycine PB

$C_6H_{13}NO_5$

M: 179,17 CAS: 5704-04-1 EINECS: 227-193-6 NC: 2922 50 00

SPECIFICATIONS:

Minimum assay ..... 99 %
Identity ..... IR p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,1 %
Chloride (Cl) ..... 0,05 %
Sulphate (SO_4) ..... 0,005 %
ABS at λ260 nm of 0,1 mol/l sol. in H_2O 0,04
ABS at λ280 nm of 0,1 mol/l sol. in H_2O 0,02

Order code	Package	Units/Box st.
376149.1206	25 g	6
376149.1209	250 g	6

Tris (1,10-Phenanthroline) Iron(II) Sulphate

(see Ferroin indicator solution)

Triton® X 100 PRS

(® Registered trade-mark of Dow Chemical) surfactant for automatical analysis

CAS: 9002-93-1 NC: 3402 13 00

HAZARDOUS:

Xn

R: 22-41 S: 24-26-39

1l~1,065kg 1kg~0,939l

SPECIFICATIONS:

Identity ..... IR p/t.
Density at 20/4 1,060-1,070

Order code	Package	Units/Box st.
142314.1611	1000 ml	6
142314.1214	5 l	4
142314.0716	25 l	

Triton ® X 405 solution 70% PRS

(® Registered trade-mark of Dow Chemical) surfactant for automatical analysis

CAS: 9002-93-1 NC: 3402 13 00

HAZARDOUS:

Xn

R: 22-41 S: 24-26-39

1l~1,105kg 1kg~0,905l

SPECIFICATIONS:

Identity ..... IR p/t.
Density at 20/4 1,095-1,105

Order code	Package	Units/Box st.
142315.1211	1000 ml	6
142315.1214	5 l	4

Trityl Chloride

(see Triphenylchloromethane)

Trolamine

(see Triethanolamine)

Tromethamine

(see Tris (Hydroxymethyl) Aminomethane)

Tropaeolin 000 n° 2

(see Orange II)

Tropaeolin D

(see Methyl Orange)

Tropaeolin G

(see Metanil Yellow)

Tryptone (Ingredient) CULTIMED

Source of nitrogen for culture media

NC: 3504 00 00

pH of 2% solution 6,5-7,5
Loss on drying at 105°C ..... 10 %
Residue on ignition (as SO_4) ..... 15 %
Nitrogen, total ..... ≥5 %

Order code	Package	Units/Box st.
403682.1210	500 g	6
403682.0914	5 kg	
403682.0416	25 kg	

L-Tryptophan PB

$C_{11}H_{12}N_2O_2$

M: 204,23 CAS: 73-22-3 EINECS: 200-795-6 NC: 2933 99 90

SPECIFICATIONS:

Minimum assay (Perchl. Ac.) ..... 99,0 %
Identity ..... IR p/t.
T.L.C ..... p/t.
Specific rotation $[\alpha]^{25}/D$ c=1 (in H_2O) ..... -29,4 to -32,8°

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl ..... 0,05 %
Loss on drying at 105°C ..... 0,2 %
Residue on ignition (as SO_4) ..... 0,05 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00015 %
Ca ..... 0,005 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,0005 %
Zn ..... 0,0005 %

Order code	Package	Units/Box st.
372049.1206	25 g	6
372049.1208	100 g	6

L-Tryptophan PA

for the N determination in milk according to ISO 8968-3:2004

$C_{11}H_{12}N_2O_2$

M: 204,23 CAS: 73-22-3 EINECS: 200-795-6 NC: 2933 99 90

SPECIFICATIONS:

Assay (N Deter.) ..... 98,5-100,0 %

Order code	Package	Units/Box st.
122049.1206	25 g	6

L-Tryptophan (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_{11}H_{12}N_2O_2$

M: 204,23 CAS: 73-22-3 EINECS: 200-795-6 NC: 2933 99 90

SPECIFICATIONS:

Assay (Perchl. Ac.) calc. a.d.s 98,5-101,0%
Identity according to Pharmacopoeias ..... p/t.
T.L.C ..... p/t.
Specific rotation $[\alpha]^{25}$/D c=1 (in H_2O) ..... -29,4 to -32,8°
Specific rotation $[\alpha]^{20}$/D c=1 (in H_2O) calc. a.d.s. ..... -30,0 to -33,0°
pH of 1% solution 5,5-7,0

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in HCl ..... p/t.
Loss on drying at 105°C ..... 0,3 %
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t
1,1'-Ethylidenebistryptophan and other related substances ..... p/t.
Ammonium (NH_4) ..... 0,02 %
Chloride (Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,03 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,00015 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142049.1206	25 g	6
142049.1208	100 g	6

L-Tryptophan, 99% PS

$C_{11}H_{12}N_2O_2$

M: 204,23 CAS: 73-22-3 EINECS: 200-795-6 NC: 2933 99 90

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
152049.1606	25 g	6
152049.1608	100 g	6
152049.1610	500 g	6

Tryptose (Ingredient) CULTIMED

Source of nitrogen for culture media

NC: 3504 00 00

SPECIFICATIONS:

pH of 2% solution 6,5-7,5
Loss on drying at 105°C ..... 6 %
Residue on ignition (as SO_4) ..... 15 %
Total Nitrogen ..... ≥10 %

Order code	Package	Units/Box st.
403903.1210	500 g	6
403903.0914	5 kg	
403903.0416	25 kg	

TTC

(see 2,3,5-Triphenyl-2H-Tetrazolium Chloride)

TUBES NMR

Caps for NMR tubes PAI

Order code	Package	Units/Box st.
745876.3422	100 un./pack	6

Tube 5TA (Throw away) 178 mm (NMR) PAI

Order code	Package	Units/Box st.
745872.3422	50 un./pack	6

Tube 5P (Precision) 178 mm (NMR) PAI

Order code	Package	Units/Box st.
745873.3422	50 un./pack	6

Tube 5HP (High precision) 178 mm (NMR) PAI

Order code	Package	Units/Box st.
745874.3422	5 un./pack	6

Tube 5UP (Utra precision) 178 mm (NMR) PAI

Order code	Package	Units/Box st.
745875.3422	5 un./pack	6

Tungstophosphoric Acid

(see Phosphotungstic Acid hydrate)

TURBIDITY STANDARDS

(see Standards for Turbidity)

Türck's Liquor DC

for hematology, leucocytes

NC: 3822 00 00

1l~1,005kg 1kg~0,995l

Composition:
Acetic Acid Glacial ..... 1,5 ml
Methylene Blue ..... 1,3 mg
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
251390.1609	250 ml	6

Turpentine Oil stabilized with 100 ppm of DL-α-Tocopherol (BP) PRS-CODEX

CAS: 8006-64-2 EINECS: 232-350-7 NC: 3805 10 10 UN: 1299
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xn N R: 10-20/21/22-36/38-43-51/53-65 S: 36/37-46-61-62

CE: 650-002-00-6

1l~0,861kg 1kg~1,161l

SPECIFICATIONS:

Identity according to Pharmacopoeias ..... p/t.
Density at 20/4 0,855-0,868
Refractive index n ^{20}/D 1,467-1,477

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in C_2H_5OH ..... p/t.
Non-volatile matter ..... 0,5 %
Residual solvents (Ph.Eur.) ..... p/t.
Pine oil ..... p/t.
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141302.1611	1000 ml	6
141302.1612	2,5 l	4
141302.1214	5 l	4
141302.0718	60 l	

Turpentine Oil stabilized with 100 ppm of DL-α-Tocopherol (BP, Ph. Eur.) CODEX

CAS: 8006-64-2 EINECS: 232-350-7 NC: 3805 10 10 UN: 1299
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xn N R: 10-20/21/22-36/38-43-51/53-65 S: 36/37-46-61-62

CE: 650-002-00-6

1l~0,861kg 1kg~1,161l

SPECIFICATIONS:

Assay (as α-Pinene) (G.C.) ..... 70,0-85,0 %
Assay (as β-Pinene) (G.C.) ..... 11,0-20,0 %
Identity according to Pharmacopoeias ..... p/t.
Density at 20/20 0,856-0,872
Refractive index n^{20}/D 1,465-1,475
Specific rotation $[\alpha]^{20}$/D ..... -40 to -28°
Camphene (G.C.) ..... 0,5-1,5 %
β-Myrcene (G.C.) ..... 0,4-1,5 %
Limonene (G.C) ..... 1,0-7,0 %
Longifolene (G.C.) ..... 0,2-2,5 %
β-Caryophyllene (G.C.) ..... 0,1-3,0 %

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter ..... 2,5 %
Acidity value 1,0
Peroxide value 20
Fatty oils and resinified essential oils ..... p/t.
3-Carene (G.C.) ..... 1,0 %
Caryophyllen oxide (G.C.) ..... 1,0 %
Residual solvents (Ph.Eur.) ..... p/t.

Order code	Package	Units/Box st.
191302.1611	1000 ml	6
191302.1612	2,5 l	4
191302.1214	5 l	4
191302.0716	25 l	
191302.0718	60 l	

Turpentine Oil stabilized with 100 ppm of DL-α-Tocopherol QP

CAS: 8006-64-2 EINECS: 232-350-7 NC: 3805 10 10 UN: 1299
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:
Xn N
R: 10-20/21/22-36/38-43-51/53-65 S: 36/37-46-61-62
CE: 650-002-00-6
1l~0,861kg 1kg~1,161l
SPECIFICATIONS:
Density at 20/4 0,855-0,868

Order code	Package	Units/Box st.
211302.1214	5 l	4
211302.0716	25 l	

Tween® 20 (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

(® Registered trade-mark of ICI)
CAS: 9005-64-5 EINECS: 500-018-3 NC: 3402 13 00
1l~1,105kg 1kg~0,905l
SPECIFICATIONS:
Identity according to Pharmacopoeias ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Residue on ignition (as SO_4) ..... 0,2 %
Composition of fatty acids ..... p/t.
Acidity value 2,0
Hydroxyl value 96-108
Peroxide value 10,0
Saponification value 40-50
Iodine value 5,0
Reducing Impurities ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t
Ethylene oxide ..... 0,0001 %
Dioxan ..... 0,001 %
Water (H_2O) ..... 3,0 %
Heavy metals (as Pb) ..... 0,001 %
As ..... 0,0001 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142312.1611	1000 ml	6
142312.1214	5 l	4
142312.0716	25 l	

Tween® 20 (E-432) ADITIO

(® Registered trade-mark of ICI)
CAS: 9005-64-5 EINECS: 500-018-3 NC: 3402 13 00
1l~1,105kg 1kg~0,905l
SPECIFICATIONS:
Assay (calc. a.a.s.), not less than ..... 97,3 %
Water (H_2O), not more than ..... 3 %
Acidity value, not more than 2
Saponification value 40-50
Hydroxyl value 96-108
1,4-Dioxane, not more than ..... 5 ppm
Ethylene Oxide, not more than ..... 0,2 ppm
Ethylene Glycol (mono- and di-), not more than ..... 0,25 %
Arsenic, not more than ..... 3 ppm
Lead, not more than ..... 5 ppm
Mercury, not more than ..... 1 ppm
Cadmium, not more than ..... 1 ppm
Specifications Dir. 2008/84/CE

Order code	Package	Units/Box st.
202312.1214	5 l	4
202312.0716	25 l	

Tween® 20 PS

(® Registered trade-mark of ICI)
CAS: 9005-64-5 EINECS: 500-018-3 NC: 3402 13 00
1l~1,105kg 1kg~0,905l
SPECIFICATIONS:
Hydroxyl value 96-108
Saponification value 40-50

Order code	Package	Units/Box st.
162312.1611	1000 ml	6
162312.1214	5 l	4
162312.0716	25 l	

Tween ® 80 (USP-NF, BP, Ph. Eur.) PRS-CODEX

(® Registered trade-mark of ICI)
CAS: 9005-65-6 EINECS: 500-019-9 NC: 3402 13 00
1l~1,075kg 1kg~0,930l
SPECIFICATIONS:
Identity according to Pharmacopoeias ..... p/t.
Density at 25/4 1,06-1,09
Viscosity at 25°C ..... 300-500 cSt
MAXIMUM LIMIT OF IMPURITIES
Residue on ignition (as SO_4) ..... 0,2 %
Composition of fatty acids ..... p/t.
Acidity value 2,0
Hydroxyl value 65-80
Peroxide value 10,0
Saponification value 45-55
Iodine value 18-24
Reducing impurities ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t
Ethylene Oxide ..... 0,0001 %
Dioxan ..... 0,001 %
Water (H_2O) ..... 3,0 %
Heavy metals (as Pb) ..... 0,001 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142050.1611	1000 ml	6
142050.1214	5 l	4
142050.0716	25 l	

Tween® 80 (E-433) ADITIO

(® Registered trade-mark of ICI)
CAS: 9005-65-6 EINECS: 500-019-9 NC: 3402 13 00
1l~1,075kg 1kg~0,930l
SPECIFICATIONS:
Assay (calc. a.a.s.), not less than ..... 96,5 %
Water (H_2O), not more than ..... 3 %
Acidity value, not more than 2
Saponification value 45-55
Hydroxyl value 65-80
1,4-Dioxane, not more than ..... 5 ppm
Ethylene Oxyde, not more than ..... 0,2 ppm
Ethylene Glycol (mono- and di-), not more than ..... 0,25 %
Arsenic, not more than ..... 3 ppm
Lead, not more than ..... 5 ppm
Mercury, not more than ..... 1 ppm
Cadmium, not more than ..... 1 ppm
Specifications Dir. 2008/84/CE

Order code	Package	Units/Box st.
202050.1214	5 l	4
202050.0716	25 l	

Tween® 80 PS

(® Registered trade-mark of ICI)
CAS: 9005-65-6 EINECS: 500-019-9 NC: 3402 13 00
1l~1,075kg 1kg~0,930l
SPECIFICATIONS:
Hydroxyl value 65-80
Saponification value 45-55

Order code	Package	Units/Box st.
162050.1611	1000 ml	6
162050.1214	5 l	4
162050.0716	25 l	

L-Tyrosine (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_9H_{11}NO_3$
M: 181,19 CAS: 60-18-4 EINECS: 200-460-4 NC: 2922 50 00
SPECIFICATIONS:
Assay (Perchl. Ac.) calc. a.d.s 99,0-101,0%
Identity according to Pharmacopoeias ..... p/t.
T.L.C ..... p/t.
Specific rotation $[\alpha]^{25}$/D c=5 (in HCl 1 mol/l) ..... -9,8 to -11,2°
Specific rotation $[\alpha]^{20}$/D c=5 (in HCl 1 mol/l) calc. a.d.s. ..... -11,0 to -12,3°
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Insoluble matter in HCl ..... 0,05 %
Loss on drying at 105°C ..... 0,3 %
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Chloride (Cl) ..... 0,02 %
Sulphate (SO_4) ..... 0,03 %
Ammonium (NH_4) ..... 0,02 %
Heavy metals (as Pb) ..... 0,001 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142077.1208	100 g	6

L-Tyrosine, 99% PS

$C_9H_{11}NO_3$

M: 181,19 CAS: 60-18-4 EINECS: 200-460-4 NC: 2922 50 00

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
152077.1606	25 g	6
152077.1608	100 g	6

Uranine

(see Fluorescein Sodium)

URANIUM SOLUTIONS

(see Standards for ICP)

Urea crystal PA-ACS

NH_2CONH_2

M: 60,06 CAS: 57-13-6 EINECS: 200-315-5 NC: 3102 10 10

SPECIFICATIONS:

Assay (Perchl. Ac.) ..... 99,0-100,5 %
Identity ..... IR p/t.
Melting range ..... 132-135°C

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Residue on ignition (as SO_4) ..... 0,01 %
Biuret ..... 0,1 %
Chloride (Cl) ..... 0,0005 %
Sulphate (SO_4) ..... 0,001 %
Heavy metals (as Pb) ..... 0,001 %

Metals by ICP [mg/Kg (ppm)]

Ag	2	Fe	5	Si	2
Al	2	In	2	Sn	2
B	2	K	2	Sr	2
Ba	2	Mg	2	Ti	2
Be	2	Mn	5	Tl	2
Cd	5	Mo	2	V	2
Co	5	Ni	5	Zn	5
Cr	2	Pb	5		
Cu	5	Pt	2		

Order code	Package	Units/Box st.
131754.1210	500 g	6
131754.1211	1000 g	6
131754.0914	5 kg	4
131754.0416	25 kg	

Urea crystal (RFE, USP, BP, Ph. Eur.) CODEX

NH_2CONH_2

M: 60,06 CAS: 57-13-6 EINECS: 200-315-5 NC: 3102 10 10

SPECIFICATIONS:

Assay (N deter.) calc. a.d.s 99,5-100,5%
Identity according to Pharmacopoeias ..... p/t.
Melting range ..... 132-134°C

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in C_2H_5OH ..... 0,04 %
Loss on drying at 105°C ..... 1,0 %
Residue on ignition (as SO_4) ..... 0,1 %
Alkalinity ..... p/t.
Biuret ..... 0,1 %
Chloride (Cl) ..... 0,007 %
Sulphate (SO_4) ..... 0,010 %
Ammonium (NH_4) ..... 0,05 %
Heavy metals (as Pb) ..... 0,001 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
191754.1211	1000 g	6
191754.0914	5 kg	
191754.0416	25 kg	

Urea pearls PRS

NH_2CONH_2

M: 60,06 CAS: 57-13-6 EINECS: 200-315-5 NC: 3102 10 10

SPECIFICATIONS:

Assay (Perchl. Ac.) ..... 98,5 %
Identity ..... IR p/t.
Insoluble matter in H_2O ..... 0,02 %
Residue on ignition (as SO_4) ..... 0,1 %
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,01 %
Cu ..... 0,001 %
Fe ..... 0,001 %
Ni ..... 0,001 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
146392.1210	500 g	6
146392.1211	1000 g	6
146392.0914	5 kg	
146392.0416	25 kg	

Urea pearls, (E-927b, F.C.C.) ADITIO

NH_2CONH_2

M: 60,06 CAS: 57-13-6 EINECS: 200-315-5 NC: 3102 10 10

SPECIFICATIONS:

Assay (as CH_4N_2O) ..... 99,0-100,5 %
Melting range ..... 132-135°C
Insoluble matter in ethanol, not more than ..... 0,04 %
Chloride (Cl), not more than ..... 0,007 %
Lead, not more than ..... 5 ppm
Loss on drying, not more than ..... 1,0 %
Residue on ignition, not more than ..... 0,1 %
Sulphate, not more than ..... 0,01 %
Alkalinity ..... p/t.
Ammonium (NH_4), not more than ..... 0,05 %
Biuret, not more than ..... 0,1 %
Arsenic, not more than ..... 3 ppm
Specifications Dir. 2008/84/CE, F.C.C. 6

Order code	Package	Units/Box st.
206392.0914	5 kg	

Urea pearls, 98,5% PS

NH_2CONH_2

M: 60,06 CAS: 57-13-6 EINECS: 200-315-5 NC: 3102 10 10

SPECIFICATIONS:

Assay (Perchl. Ac.) ..... 98,5 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
156392.1210	500 g	6
156392.0914	5 kg	

Urea Nitrate moistened with ~20% of H_2O PRS

$NH_2CONH_2HNO_3$

M: 123,07 CAS: 17687-37-5 EINECS: 241-672-7 NC: 3102 10 90 UN: 1357
IMDG: 4.1/I ADR: 4.1/I IATA: 4.1/I PAX: 416 CAO: 412

HAZARDOUS:

Xi **R: 1-38 S: 15**

SPECIFICATIONS:

Assay (Acidim.) ..... 98 %
Insoluble matter in H_2O ..... 0,025 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %
Analysis applied to the dry substance.

Order code	Package	Units/Box st.
141756.1210	500 g	6
141756.0716	25 kg	

Uric Acid PRS

$C_5H_4N_4O_3$

M: 168,11 CAS: 69-93-2 EINECS: 200-720-7 NC: 2933 59 95

SPECIFICATIONS:

Assay (Determ of N) ..... 98 %
Identity ..... IR p/t.
Insoluble matter in NaOH ..... p/t.
Residue on ignition (as SO_4) ..... 0,2 %
Ammonium ..... p/t.
Water (H_2O) ..... 0,5 %

Order code	Package	Units/Box st.
141068.1605	10 g	6

Urotropine

(see Hexamethylenetetramine)

D-Valine, 99% PS

$C_5H_{11}NO_2$

M: 117,14 CAS: 640-68-6 EINECS: 211-368-9 NC: 2922 49 95

SPECIFICATIONS:

Minimum assay ..... 99 %

Order code	Package	Units/Box st.
15A035.1604	5 g	6
15A035.1606	25 g	6

DL-Valine, 98% PS

$C_5H_{11}NO_2$

M: 117,14 CAS: 516-06-3 EINECS: 208-220-0 NC: 2922 42 00

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A315.1606	25 g	6
15A315.1608	100 g	6

L-Valine (USP, BP, Ph. Eur.) PRS-CODEX

$C_5H_{11}NO_2$

M: 117,15 CAS: 72-18-4 EINECS: 200-773-6 NC: 2922 50 00

SPECIFICATIONS:

Assay (Perchl. Ac.) calc. a.d.s. ....98,5-101,0 %
Identity according to Pharmacopoeias .... p/t.
Specific rotation $[\alpha]^{20}$/D c=8 (in HCl)....+26,5 to +29,0°
Specific rotation $[\alpha]^{25}$/D c=8 (in HCl)....+26,6 to +28,8°
pH 5% solution.... 5,5-7,0
T.L.C. .... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution .... p/t.
Loss on drying at 105°C.... 0,3 %
Residue on ignition (as SO_4) .... 0,1 %
Organic volatile impurities .... p/t.
Ammonium (NH_4) .... 0,02 %
Chloride (Cl).... 0,02 %
Sulphate (SO_4) .... 0,03 %
Heavy metals (as Pb).... 0,001 %
Fe.... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
145044.1208	100 g	6

L-Valine (F.C.C.) ADITIO

$C_5H_{11}NO_2$

M: 117,15 CAS: 72-18-4 EINECS: 200-773-6 NC: 2922 50 00

SPECIFICATIONS:

Assay (as $C_5H_{11}NO_2$) calc. a.d.s 98,5-101,5%
Identification....IR p/t.
Lead, not more than .... 5 ppm
Loss on drying, not more than .... 0,3 %
Residue on ignition, not more than .... 0,1 %
Specific rotation $[\alpha]^{20}$/D calc. a.d.s ....+26,7 to +29,0°
Specifications F.C.C. 6

Order code	Package	Units/Box st.
205044.1208	100 g	6
205044.1211	1 kg	6

L-Valine, 98% PS

$C_5H_{11}NO_2$

M: 117,15 CAS: 72-18-4 EINECS: 200-773-6 NC: 2922 50 00

SPECIFICATIONS:

Minimum assay .... 98 %

Order code	Package	Units/Box st.
155044.1608	100 g	6
155044.1610	500 g	6

Vanadate-Molybdate Reagent RE

for determination of phosphates

NC: 3822 00 00 UN: 1760

IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812

HAZARDOUS:

C

R: 35 S: 26-30-36/37/39-45

1l~1,149kg 1kg~0,870l

Composition:

Ammonium Molybdate 4-hydrate....2,97 g
Ammonium meta-Vanadate....0,15 g
Sulphuric Acid 96%....14,2 ml
Water s.q.m ....100 ml

Order code	Package	Units/Box st.
173333.1210	500 ml	6
173333.1211	1000 ml	6

Vanadic Anhydride

(see Vanadium(V) Oxide)

VANADIUM SOLUTIONS

(see Standards for ICP)

Vanadium(V) Oxide PRS

V_2O_5

M: 181,88 CAS: 1314-62-1 EINECS: 215-239-8 NC: 2825 30 00 UN: 2862

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn N

R: 20/22-37-68-48/23-51/53-63 S: 36/37-38-45-61

CE: 023-001-00-8

SPECIFICATIONS:

Assay (Redox.).... 99 %
Nitrogen compounds (as N) .... 0,01 %
Chloride (Cl).... 0,05 %
Sulphate (SO_4) .... 0,05 %
As .... 0,005 %
Fe.... 0,02 %
Pb .... 0,005 %

Order code	Package	Units/Box st.
142909.1208	100 g	6
142909.1209	250 g	6

Vanadium Pentoxide

(see Vanadium(V) Oxide)

Van Gieson II solution DC

for microscopy

NC: 3822 00 00

HAZARDOUS:

Xn

R: 22 S: 36

1l~1,002kg 1kg~0,998l

Composition:

Fuchsin Acid....0,1 g
Picric Acid moistened with~33% of H_2O....1,57 g
Hydrochloric Acid 35% ....0,26 ml
Water s.q.m ....100 ml

Order code	Package	Units/Box st.
253625.1610	500 ml	6

Vanillin (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX

$C_8H_8O_3$

M: 152,15 CAS: 121-33-5 EINECS: 204-465-2 NC: 2912 41 00

HAZARDOUS:

Xn

R: 22

SPECIFICATIONS:

Assay (Acidim.) calc. a.d.s....99,0-101,0%
Identity according to Pharmacopoeias .... p/t.
Melting range.... 81-83°C
T.L.C .... p/t.

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution .... p/t.
Insoluble matter in C_2H_5OH .... p/t.
Loss on drying.... 1,0 %
Residue on ignition (as SO_4) .... 0,05 %
Residual solvents (Ph.Eur./USP).... p/t
Darkened substances by H_2SO_4 .... p/t.
As .... 0,0001 %
Cu .... 0,001 %
Fe.... 0,001 %
Ni .... 0,001 %
Pb .... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
142048.1208	100 g	6
142048.1210	500 g	6

Vanillin (F.C.C.) ADITIO

$C_8H_8O_3$

M: 152,15 CAS: 121-33-5 EINECS: 204-465-2 NC: 2912 41 00

HAZARDOUS:

Xn

R: 22

SPECIFICATIONS:

Assay (as $C_8H_8O_3$) a.d.s., not less than. ....97,0 %
IR .... p/t.
Loss on drying, not more than .... 0,5 %
Residue on ignition, not more than .... 0,05 %
Melting range.... 81-83°C
Specifications F.C.C. 6

Order code	Package	Units/Box st.
202048.1211	1 kg	6
202048.0914	5 kg	

Vanillin, 99% PS

$C_8H_8O_3$

M: 152,15 CAS: 121-33-5 EINECS: 204-465-2 NC: 2912 41 00

HAZARDOUS:

Xn

R: 22

SPECIFICATIONS:

Minimum assay (G.C.) .... 99 %
Identity....IR p/t.
Melting range.... 81-83°C

Order code	Package	Units/Box st.
152048.1208	100 g	6
152048.1210	500 g	6

Vaseline Oil (IR) PAI

CAS: 8012-95-1 EINECS: 232-384-2 NC: 2710 19 85

1l~0,880kg 1kg~1,136l

SPECIFICATIONS:

Suitability for IR spectroscopy .... p/t.

Order code	Package	Units/Box st.
331003.1609	250 ml	6

Vaseline Oil (RFE, USP, BP, Ph. Eur.) PRS-CODEX

CAS: 8012-95-1 EINECS: 232-384-2 NC: 2710 19 85
1l~0,880kg 1kg~1,136l
SPECIFICATIONS:
Identity according to Pharmacopoeias ..... p/t.
Density at 20/20 0,846-0,890
Kinematic viscosity at 40,0°C..... >34,5 cSt
Dynamic viscosity at 19,9-20,1°C ..... 110 - 230 mPas
MAXIMUM LIMIT OF IMPURITIES
Darkened substances by H_2SO_4 ..... p/t.
Polynuclear Hydrocarbons ..... p/t.
Solid Paraffin ..... p/t.
Acidity or alkalinity..... p/t.
Residual solvents (Ph.Eur./USP)..... p/t.
Complies USP 29 specifications

Order code	Package	Units/Box st.
141003.1211	1000 ml	6
141003.1212	2,5 l	4
141003.1214	5 l	4
141003.0716	25 l	
141003.0718	60 l	

Vaseline Oil (F.C.C.) ADITIO

CAS: 8012-95-1 EINECS: 232-384-2 NC: 2710 19 85
1l~0,880kg 1kg~1,136l
SPECIFICATIONS:
Easily carbonizable substances ..... p/t.
Polynuclear hydrocarbons..... p/t.
Specific gravity 0,845-0,890
Kinematic viscosity at 40,0 °C, not less than ..... 34,5 cSt
Lead, not more than ..... 1 ppm
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201003.1214	5 l	4
201003.0716	25 l	

Vaseline Soft QP

for lubricating glass joints
CAS: 8009-03-8 EINECS: 295-456-2 NC: 2712 10 90
SPECIFICATIONS:
Identity.....IR p/t.
Free acids..... p/t.
Fatty acids, waxes and resins ..... p/t.
Suspension matter ..... p/t.

Order code	Package	Units/Box st.
211757.1207	50 g	6
211757.1209	250 g	6
211757.1211	1000 g	6
211757.0914	5 kg	
211757.0716	25 kg	

Veratronitrile

(see 3,4-Dimetoxibenzonitrile)

Vesuvine

(see Bismarck Brown R)

Victoria Blue B (C.I. 44045) DC

for microscopy, bacteriology
$C_{33}H_{32}ClN_3$
M: 506,10 CAS: 2580-56-5 EINECS: 219-943-6 NC: 3204 13 00
SPECIFICATIONS:
Identity.....IR p/t.
λ of max. ABS in C_2H_5OH 50%..... 612-617 nm
A 1%; 1 cm; λmax.....>1375
Ratio λmax. P± 15 nm..... 1,04-1,10
T.L.C ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on drying at 135°C..... 10 %

Order code	Package	Units/Box st.
251177.1605	10 g	6

Vinylbenzene

(see Styrene)

Vinyl Cyanide

(see Acrylonitrile)

Vitamin C

(see L(+)-Ascorbic Acid)

Vitamin M

(see Folic Acid)

VITROSEC

Vitrosec® 100 dehydrating solvent for pathological anatomy DC

(® Registered trade-mark of Panreac Química S.A.U.)
NC: 3822 00 00 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F
R: 11 S: 7-16
1l~0,790kg 1kg~1,266l
Composition:
Ethanol absolute denatured with bitrex (v/v) ..... 98,75 %
Methanol (v/v)..... 1,25 %

Order code	Package	Units/Box st.
256065.2711	1000 ml	6
256065.2714	5 l	4
256065.1315	10 l	(*)

Vitrosec® 96 dehydrating solvent for pathological anatomy DC

(® Registered trade-mark of Panreac Química S.A.U.)
NC: 3822 00 00 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F
R: 11 S: 7-16
1l~0,805kg 1kg~1,242l
Composition:
Ethanol 96% partially denatured with bitrex (v/v)..... 98,75 %
Methanol (v/v)..... 1,25 %

Order code	Package	Units/Box st.
256066.2711	1000 ml	6
256066.2714	5 l	4
256066.1315	10 l	(*)

Vitrosec® 80 dehydrating solvent for pathological anatomy DC

(® Registered trade-mark of Panreac Química S.A.U.)
NC: 3822 00 00 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F
R: 11 S: 7-16
1l~0,857kg 1kg~1,167l
Composition:
Ethanol absolute denatured with bitrex (v/v) ..... 78,75 %
Methanol (v/v)..... 1,25 %
Water (v/v)..... 20 %

Order code	Package	Units/Box st.
256068.2711	1000 ml	6
256068.2714	5 l	4

Vitrosec® 70 dehydrating solvent for pathological anatomy DC

(® Registered trade-mark of Panreac Química S.A.U.)
NC: 3822 00 00 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F
R: 11 S: 7-16
1l~0,890kg 1kg~1,124l
Composition:
Ethanol absolute denatured with bitrex (v/v) ..... 68,75 %
Methanol (v/v)..... 1,25 %
Water (v/v)..... 30 %

Order code	Package	Units/Box st.
256067.2711	1000 ml	6
256067.2714	5 l	4

Voges Proskauer A Reagent DC

NC: 3822 00 00 UN: 1993
IMDG: 3/II ADR: 3/II IATA: 3/II PAX: 305 CAO: 307
HAZARDOUS:
F Xi
R: 11-36 S: 7-16-26
1l~0,900kg 1kg~1,111l
Composition:
1-Naphthol .....50 g
Ethanol 70%.....980 ml

Order code	Package	Units/Box st.
254833.1208	100 ml	6

(*) Sol-Pack pack with tap

Voges Proskauer B Reagent DC

NC: 3822 00 00 UN: 1719
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 809 CAO: 813
HAZARDOUS:

C
R: 22-35 S: 26-36/37/39-45

1l~1,29kg 1kg~0,78l
Composition:
Creatine ..... 3 g
Potassium Hydroxide 40% ..... 1000 ml

Order code	Package	Units/Box st.
254832.1208	100 ml	6

Water (TMA) HIPERPUR-PLUS

H_2O
M: 18,016 CAS: 7732-18-5 EINECS: 231-791-2 NC: 2853 00 10
1l~1,000kg 1kg~1,000l
SPECIFICATIONS:
MAXIMUM LIMIT OF IMPURITIES
APHA colour 10
Chloride (Cl) ..... 1 ppb
Phosphate (PO_4) ..... 1 ppb
Sulphate (SO_4) ..... 1 ppb
Metals by ICP (ppt)

Ag	10	Hf	1	Ru	10
Al	20	Hg	20	Sb	10
As	10	Ho	1	Sc	10
Au	10	In	1	Se	50
B	20	K	10	Sm	10
Ba	10	La	1	Sn	10
Be	10	Li	10	Sr	10
Bi	10	Lu	1	Ta	10
Ca	10	Mg	10	Tb	10
Cd	10	Mn	10	Te	1
Ce	10	Mo	10	Th	1
Co	10	Na	10	Ti	10
Cr	10	Nb	10	Tl	10
Cs	10	Nd	1	Tm	10
Cu	10	Ni	10	U	1
Dy	1	Pb	10	V	10
Er	1	Pd	10	W	10
Eu	1	Pr	10	Y	1
Fe	10	Pt	10	Yb	10
Ga	10	Rb	10	Zn	10
Gd	1	Re	10	Zr	10
Ge	10	Rh	10		

Order code	Package	Units/Box st.
711074.0010	500 ml	6
711074.0011	1000 ml	6

Water (HPLC-gradient grade) PAI

H_2O
M: 18,016 CAS: 7732-18-5 EINECS: 231-791-2 NC: 2853 00 10
1l~1,000kg 1kg~1,000l
SPECIFICATIONS:
MAXIMUM LIMIT OF IMPURITIES
Specific conductance at 25°C (Measured during production) ... 1 µS cm^{-1}
Non-volatile matter ..... 0,0002 %
Colony count ..... 25 cfu/ml
Gradient:

λ (nm)	210	254
A (mAU)	5	0,5

Fluorescence (as quinine):

λ (nm)	254	365
ppb	1	0,5

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.

Order code	Package	Units/Box st.
221074.1611	1000 ml	6
221074.1612	2,5 l	4

Water (UV-HPLC) PAI-ACS

H_2O
M: 18,016 CAS: 7732-18-5 EINECS: 231-791-2 NC: 2853 00 10
1l~1,000kg 1kg~1,000l
SPECIFICATIONS:
MAXIMUM LIMIT OF IMPURITIES
Specific conductance at 25°C
(Measured during production) ..... $1,0x10^{-6}ohm^{-1}cm^{-1}$
Non-volatile matter ..... 0,0003 %
Reducing substances to $KMnO_4$ ..... p/t.
Colony count ..... 25 cfu/ml
Suitability for gradient acc. to ACS ..... p/t.
UV Spectrum (1 cm cell; Ref.: water)

λ (nm)	200	210	254	300-450
A (AU)	0,009	0,009	0,004	0,004
T (%)	98	98	99	99

Fluorescence (as quinine):

λ (nm)	254	365
ppb	1	0,5

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.
Data of interest in HPLC:
Rohrschneider Polarity 10,2
For critical jobs, purge with nitrogen.

Order code	Package	Units/Box st.
361074.1611	1000 ml	6
361074.1612	2,5 l	4

N

Water (LC-MS) PAI

H_2O
M: 18,016 CAS: 7732-18-5 EINECS: 231-791-2 NC: 2853 00 10
1l~1,000kg 1kg~1,000l
SPECIFICATIONS:
MAXIMUM LIMIT OF IMPURITIES
Non-volatile matter ..... 0,0001 %
Chloride (Cl) ..... 0,000001 %
Fluoride (F) 0,000001%
Nitrate (NO_3) ..... 0,00001 %
Sulphate (SO_4) ..... 0,00001 %
Suitability for LC-MS ..... p/t.
Gradient:

λ (nm)	210	254
A (mAU)	5	0,1

UV Spectrum (1cm cell; Ref.: water)

λ (nm)	200	230
A (UA)	0,022	0,004
T (%)	95	99

Fluorescence (as quinine):

λ (nm)	254	365
ppb	1	0,5

Metals by ICP [mg/Kg (ppm)]

Ag	0,1	Cr	0,02	Na	0,1
Al	0,5	Cu	0,02	Ni	0,02
Ba	0,1	Fe	0,1	Pb	0,1
Ca	0,1	K	0,1	Sn	0,1
Cd	0,05	Mg	0,1	Zn	0,1
Co	0,02	Mn	0,02		

Microfiltered product (0,2 µm) and bottled under nitrogen atmosphere.

Order code	Package	Units/Box st.
701074.1611	1000 ml	6
701074.1612	2,5 l	4

Water (PAR) PAI

H_2O
M: 18,016 CAS: 7732-18-5 EINECS: 231-791-2 NC: 2853 00 10
1l~1,000kg 1kg~1,000l
MAXIMUM LIMIT OF IMPURITIES
SPECIFICATIONS:
Specific conductance at 25°C
(Measured during production) ..... $2,0x10^{-6}ohm^{-1}cm^{-1}$
Non-volatile matter ..... 0,0005 %
Reducing substances to $KMnO_4$ ..... p/t.
Signal ECD of pesticide (Lindane to DDT) (as Lindane) ..... 5 ng/l
Signal PND of pesticide (Ethylparathion to Coumaphos)
(as Ethylparathion) ..... 5 ng/l

Order code	Package	Units/Box st.
321074.1611	1000 ml	6
321074.1612	2,5 l	4

Water PA-ACS

H_2O

M: 18,016 CAS: 7732-18-5 EINECS: 231-791-2 NC: 2853 00 10

1l~1,000kg 1kg~1,000l

SPECIFICATIONS:

pH 5-8

MAXIMUM LIMIT OF IMPURITIES

Specific conductance at 25°C (Measured during production) ..... $1,0x10^{-6}ohm^{-1}cm^{-1}$
ABS at λ 254 nm in water, 1 cm 0,01
Non-volatile matter ..... 0,0005 %
Residue on ignition ..... 0,0002 %
Reducing substances to $KMnO_4$ ..... p/t.
Chloride (Cl) ..... 0,00001 %
Phosphate (PO_4) ..... 0,000005 %
Nitrate (NO_3) ..... 0,00002 %
Silicate (SiO_2) ..... 0,000001 %
Sulphate (SO_4) ..... 0,0001 %
Ammonium (NH_4) ..... 0,000001 %
Heavy metals (as Pb) ..... 0,000001 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,01	Cu	0,01	Ni	0,01
Al	0,02	Fe	0,01	Pb	0,01
As	0,05	Ga	0,01	Pt	0,01
Au	0,01	Ge	0,01	Sb	0,01
B	0,01	Hg	0,05	Se	0,01
Ba	0,01	In	0,01	Sn	0,01
Be	0,02	K	0,05	Sr	0,05
Bi	0,01	Li	0,02	Ti	0,01
Ca	0,1	Mg	0,05	Tl	0,01
Cd	0,01	Mn	0,01	V	0,01
Co	0,01	Mo	0,01	Zn	0,05
Cr	0,01	Na	0,1	Zr	0,01

Meet Specifications for water type 2 according to ISO:3696:1987. 'Water reagent for use in laboratory analysis'.

Order code	Package	Units/Box st.
131074.1211	1000 ml	6
131074.1212	2,5 l	4
131074.1214	5 l	4
131074.1315	10 l	(*)
131074.0716	25 l	
131074.0718	60 l	
131074.0719	200 l	

Water (BP, Ph. Eur.) PRS-CODEX

H_2O

M: 18,016 CAS: 7732-18-5 EINECS: 231-791-2 NC: 2853 00 10

1l~1,000kg 1kg~1,000l

SPECIFICATIONS:

Conductivity at 20°C (measured during production) ..... $4,3\ \mu S.cm^{-1}$

MAXIMUM LIMIT OF IMPURITIES

Appearance ..... p/t.
Acidity or alkalinity ..... p/t.
Non-volatile matter ..... 0,001 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Oxidisable substances ..... p/t.
Calcium and Magnesium ..... p/t.
Chloride (Cl) ..... p/t.
Sulphate (SO_4) ..... p/t.
Amonium (NH_4) ..... 0,00002 %
Nitrate (NO_3) ..... 0,00002 %
Microbial contamination:
Total aerobic count ..... 100 ufc/ml
Heavy metals (as Pb) ..... 0,00001 %
Al ..... 0,000001 %

Order code	Package	Units/Box st.
141074.1315	10 l	(*)

Water Deionized QP

H_2O

M: 18,016 CAS: 7732-18-5 EINECS: 231-791-2 NC: 2853 00 10

1l~1,000kg 1kg~1,000l

SPECIFICATIONS:

Chloride (Cl) ..... 0,005 %
Phosphate (PO_4) ..... 0,005 %
Sulphate (SO_4) ..... 0,005 %

Order code	Package	Units/Box st.
212236.1214	5 l	4
212236.0716	25 l	
212236.0718	60 l	

Water Blue

(see Aniline Blue WS)

WATER STANDARDS

(see Standards for Water)

White Lead

(see Lead(II) Hydroxide Carbonate)

(*) Sol-Pack pack with tap

White Spirit PA

CAS: 8052-41-3 EINECS: 232-455-8 NC: 2710 11 21 UN: 1300

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xn

R: 10-20/21/22

1l~0,780kg 1kg~1,282l

SPECIFICATIONS:

Density at 20/4 0,775-0,785

MAXIMUM LIMIT OF IMPURITIES

Non-volatile matter ..... 0,005 %
Sulphur compounds ..... 0,0003 %
Acidity ..... 0,00002 meq/g
Water (H_2O) ..... 0,02 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,5
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,5	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
123410.1611	1000 ml	6
123410.1612	2,5 l	4
123410.1616	25 l	

White Spirit PS

CAS: 8052-41-3 EINECS: 232-455-8 NC: 2710 11 21 UN: 1300

IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310

HAZARDOUS:

Xn

R: 10-20/21/22

1l~0,780kg 1kg~1,282l

SPECIFICATIONS:

Density at 20/4 0,775-0,785
Acidity ..... 0,0002 meq/g
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
163410.1611	1000 ml	6
163410.1612	2,5 l	4
163410.1714	5 l	4
163410.0616	25 l	

WIDE SPECTRUM MICROTABLETS

Wide Spectrum Microtablets I RE

for preserving milk samples. Tablets of 18 mg

NC: 3822 00 00 UN: 2811

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn N

R: 21/22-37/38-41-50/53 S: 26-37/39-60-61

Composition:
2-Bromo-2-Nitro-1,3-Propanediol ..... 10 mg
Natamycin ..... 0,45 mg
pH chromatic indicator ..... 0,5 mg
Excipient ..... 7,05 mg

Order code	Package	Units/Box st.
174748.1260	90 g	6

Wide Spectrum Microtablets II RE

for preserving milk samples. Tablets of 18 mg.

NC: 3822 00 00 UN: 2811

IMDG: 6.1/III ADR: 6.1/III IATA: 6.1/III PAX: 619 CAO: 619

HAZARDOUS:

Xn N

R: 21/22-37/38-41-50/53 S: 26-37/39-60-61

Composition:
2-Bromo-2-Nitro-1,3-Propanediol ..... 9,85 mg
Natamycin ..... 0,9 mg
Sodium Chloride ..... 6,21 mg
Magnesium Stearate ..... 0,36 mg
Lactose 1-hydrate ..... 0,18 mg
Sunset Yellow ..... 0,5 mg

Order code	Package	Units/Box st.
175387.1260	90 g	6

Wieninger's Reagent

(see Kjeldahl Catalyst (Cu-Se))

Wijs Chloride
(see Iodine mono-Chloride)

Wijs' Reagent 0,1 mol/l (0,2N) RV
for determination of iodine index
NC: 3822 00 00 UN: 2920
IMDG: 8/II ADR: 8/II IATA: 8/II PAX: 808 CAO: 812
HAZARDOUS:

C
R: 10-35 S: 23c-26-36/37/39-45
1l~1,063kg 1kg~0,941l
Composition:
Iodine mono-Chloride.....1,8 g
Acetic Acid glacial s.q.m.....100 ml

Order code	Package	Units/Box st.
281590.1610	500 ml	6
281590.1611	1000 ml	6

WINE STANDARDS
(see Standards for Wine)

WOLFRAM SOLUTIONS
(see Standards for ICP)

Wright's Solution
(see Eosin-Methylene Blue solution according to Leishman)

Wright's Staining
(see Eosin-Methylene Blue dye according to Leishman)

WSCP Kit RE
for the WSCP biocide determination. 80 tests
NC: 3822 00 00 UN: 1993
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

F
R: 10 S: 16
Comprised of:
2x60 ml WSCP, complexing solution
2x15 ml WSCP, indicator solution 1
2x15 ml WSCP, acid solution
2x30 ml WSCP, indicator solution 2
2x60 ml WSCP, titrating solution
2x50 ml Beaker
1x30 ml Plastic syringe
1x1 ml Plastic syringe
1 Instructions sheet

Order code	Package	Units/Box st.
175154.0922	pack	6

WSCP Kit Refill RE
40 tests
NC: 3822 00 00 UN: 1993
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

F
R: 10 S: 16
Comprised of:
1x60 ml WSCP, complexing solution
1x15 ml WSCP, indicator solution 1
1x15 ml WSCP, acid solution
1x30 ml WSCP, indicator solution 2
1x60 ml WSCP, titrating solution

Order code	Package	Units/Box st.
175166.0922	pack	6

X-Gal
(see 5-Bromo-4-Chloro-3-Indolyl-β-D-Galactopyranoside)

Xylene, mixture of isomers dry (max. 0,005% water) DS-ISO
C_8H_{10}
M: 106,17 CAS: 1330-20-7 EINECS: 215-535-7 NC: 2902 44 00 UN: 1307
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn
R: 10-20/21-38 S: 25 CE: 601-022-00-9
1l~0,865kg 1kg~1,156l
SPECIFICATIONS:
Minimum assay (G.C.) [isomers mixture (C_8H_{10})].....99,0 %
Identity.....IR p/t.
Density at 20/4 0,862-0,864
MAXIMUM LIMIT OF IMPURITIES
APHA colour.....10
Non-volatile matter.....0,001 %
Benzene (G.C.) .....0,05 %
Ethylbenzene (G.C.).....30 %
Toluene (G.C.).....0,1 %
Darkened substances by H_2SO_4 ..... p/t.
Sulphur compound (as CS_2) .....0,0003 %
Acidity..... 0,0001 meq/g
Alkalinity ..... 0,0001 meq/g
Water (H_2O).....0,005 %
Thiophene (C_4H_4S) .....0,0001 %
Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
481769.1611	1000 ml	6

Xylene, mixture of isomers (Reag. Ph. Eur.) PA-ACS-ISO
C_8H_{10}
M: 106,17 CAS: 1330-20-7 EINECS: 215-535-7 NC: 2902 44 00 UN: 1307
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn
R: 10-20/21-38 S: 25 CE: 601-022-00-9
1l~0,865kg 1kg~1,156l
SPECIFICATIONS:
Minimum assay (G.C.) [isomers mixture (C_8H_{10})].....99,0 %
Identity.....IR p/t
Density at 20/4 0,862-0,864
MAXIMUM LIMIT OF IMPURITIES
APHA colour.....10
Non-volatile matter.....0,001 %
Benzene (G.C.) .....0,05 %
Ethylbenzene (G.C.).....25 %
Toluene (G.C.).....0,1 %
Darkened substances by H_2SO_4 ..... p/t.
Sulphur compound (as CS_2) .....0,0003 %
Acidity..... 0,0001 meq/g
Alkalinity ..... 0,0001 meq/g
Water (H_2O).....0,03 %
Thiophene (C_4H_4S) .....0,0001 %
Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,05	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
131769.1611	1000 ml	6
131769.2711	1000 ml	6
131769.1612	2,5 l	4
131769.0314	5 l	4
131769.0616	25 l	

Xylene, mixture of isomers PRS

C_8H_{10}

M: 106,17 CAS: 1330-20-7 EINECS: 215-535-7 NC: 2902 44 00 UN: 1307
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn R: 10-20/21-38 S: 25 CE: 601-022-00-9

1l~0,865kg 1kg~1,156l

SPECIFICATIONS:

Assay (G.C.) (isomers mixture C_8H_{10}) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,862-0,864
Non-volatile matter ..... 0,01 %
Acidity ..... 0,0003 meq/g
Alkalinity ..... 0,00025 meq/g
Water (H_2O) ..... 0,05 %
Thiophene (C_4H_4S) ..... 0,0005 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
141769.2711	1000 ml	6
141769.1612	2,5 l	4
141769.0314	5 l	4
141769.0616	25 l	

Xylene, 98,5% mixture of isomers PS

C_8H_{10}

M: 106,17 CAS: 1330-20-7 EINECS: 215-535-7 NC: 2902 44 00 UN: 1307
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn R: 10-20/21-38 S: 25 CE: 601-022-00-9

1l~0,865kg 1kg~1,156l

SPECIFICATIONS:

Minimum assay (G.C.) (isomers mix. C_8H_{10}) ..... 98,5 %
Identity ..... IR p/t.
Density at 20/4 0,862-0,864
Non-volatile matter ..... 0,005 %
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
161769.2711	1000 ml	6
161769.1612	2,5 l	4
161769.1714	5 l	4
161769.0616	25 l	

Xylene, mixture of isomers QP

C_8H_{10}

M: 106,17 CAS: 1330-20-7 EINECS: 215-535-7 NC: 2902 44 00 UN: 1307
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn R: 10-20/21-38 S: 25 CE: 601-022-00-9

1l~0,865kg 1kg~1,156l

SPECIFICATIONS:

Assay (G.C.)(isomers mix. C_8H_{10}) ..... 97 %
Density at 20/4 0,862-0,867
Acidity ..... 0,003 meq/g
Water (H_2O) ..... 0,1 %

Order code	Package	Units/Box st.
211769.2711	1000 ml	6
211769.1714	5 l	4
211769.0616	25 l	

Xylene, mixture of isomers DC

solvent for histology

C_8H_{10}

M: 106,17 CAS: 1330-20-7 EINECS: 215-535-7 NC: 2902 44 00 UN: 1307
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn R: 10-20/21-38 S: 25 CE: 601-022-00-9

1l~0,865kg 1kg~1,156l

SPECIFICATIONS:

Minimum assay (G.C.) [isomers mixture (C_8H_{10})] ..... 98,5 %
Identity ..... IR p/t.

Order code	Package	Units/Box st.
251769.2711	1000 ml	6
251769.2714	5 l	4

Xylene, mixture of isomers, low in ethylbenzene (max. 4%) PA-ACS-ISO

$C_6H_4(CH_3)_2$

M: 106,17 CAS: 1330-20-7 EINECS: 215-535-7 NC: 2902 44 00 UN: 1307
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn R: 10-20/21-38 S: 25 CE: 601-022-00-9

1l~0,863kg 1kg~1,158l

SPECIFICATIONS:

Minimum assay (G.C.) (isomers mixture C_8H_{10}) ..... 98,5 %
Identity ..... IR p/t.
Density at 20/4 0,862-0,864

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Benzene (G.C.) ..... 0,1 %
Ethylbenzene (G.C.) ..... 4 %
Toluene (G.C.) ..... 0,4 %
Darkened substances by H_2SO_4 ..... p/t.
Sulphur compounds (as CS_2) ..... 0,0003 %
Acidity ..... 0,0001 meq/g
Alkalinity ..... 0,0001 meq/g
Water (H_2O) ..... 0,03 %
Thiophene (C_4H_4S) ..... 0,0001 %
Ca ..... 0,00005 %
Cd ..... 0,000005 %
Co ..... 0,000002 %
Cr ..... 0,000002 %
Cu ..... 0,000002 %
Fe ..... 0,00001 %
Mg ..... 0,00001 %
Mn ..... 0,000002 %
Ni ..... 0,000002 %
Pb ..... 0,00001 %
Zn ..... 0,00005 %

Order code	Package	Units/Box st.
135212.1611	1000 ml	6
135212.1612	2,5 l	4

Xylene, Substitute of

(see Isoparaffin H)

o-Xylene (Reag. USP, Ph. Eur.) PA

$C_6H_4(CH_3)_2$

M: 106,17 CAS: 95-47-6 EINECS: 202-422-2 NC: 2902 41 00 UN: 1307
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn R: 10-20/21-38 S: 25 CE: 601-022-00-9

1l~0,882kg 1kg~1,134l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99,0 %
Identity ..... IR p/t.
Density at 20/4 0,880-0,884
Refractive index n 20/D 1,5040-1,5060

MAXIMUM LIMIT OF IMPURITIES

APHA colour 10
Non-volatile matter ..... 0,001 %
Benzene (G.C.) ..... 0,1 %
Ethylbenzene (G.C.) ..... 0,1 %
Toluene (G.C.) ..... 0,1 %
m-Xylene + p-Xylene (G.C.) ..... 0,5 %
Darkened substances by H_2SO_4 ..... p/t.
Sulphur compounds (as CS_2) ..... 0,0003 %
Acidity ..... 0,0002 meq/g
Alkalinity ..... 0,0002 meq/g
Water (H_2O) ..... 0,05 %
Thiophene (C_4H_4S) ..... 0,0002 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,1	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
122767.1611	1000 ml	6

o-Xylene PRS

$C_6H_4(CH_3)_2$

M: 106,17 CAS: 95-47-6 EINECS: 202-422-2 NC: 2902 41 00 UN: 1307
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn R: 10-20/21-38 S: 25 CE: 601-022-00-9

1l~0,882kg 1kg~1,134l

SPECIFICATIONS:

Assay (G.C.)	98 %
Identity	IR p/t.
Density at 20/4	0,880-0,884
Non-volatile matter	0,01 %
m-Xylene + p-Xylene (G.C.)	1 %
Acidity	0,0003 meq/g
Alkalinity	0,00025 meq/g
Water (H_2O)	0,05 %
Thiophene (C_4H_4S)	0,0005 %
Cu	0,00002 %
Fe	0,00005 %
Ni	0,00002 %
Pb	0,00002 %

Order code	Package	Units/Box st.
142767.1611	1000 ml	6

o-Xylene, 99% PS

$C_6H_4(CH_3)_2$

M: 106,17 CAS: 95-47-6 EINECS: 202-422-2 NC: 2902 41 00 UN: 1307
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn R: 10-20/21-38 S: 25 CE: 601-022-00-9

1l~0,882kg 1kg~1,134l

SPECIFICATIONS:

Minimum assay (G.C.)	99 %
Identity	IR p/t.
Density at 20/4	0,880-0,884
Water (H_2O)	0,05 %

Order code	Package	Units/Box st.
162767.1611	1000 ml	6
162767.1612	2,5 l	4
162767.0616	25 l	

m-Xylene (Reag. Ph. Eur.) PA

$C_6H_4(CH_3)_2$

M: 106,17 CAS: 108-38-3 EINECS: 203-576-3 NC: 2902 42 00 UN: 1307
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn R: 10-20/21-38 S: 25 CE: 601-022-00-9

1l~0,867kg 1kg~1,153l

SPECIFICATIONS:

Minimum assay (G.C.)	99,0 %
Identity	IR p/t.
Density at 20/4	0,864-0,870

MAXIMUM LIMIT OF IMPURITIES

APHA colour	10
Non-volatile matter	0,001 %
Benzene (G.C.)	0,05 %
Ethylbenzene (G.C.)	0,1 %
Toluene (G.C.)	0,05 %
o-Xylene (G.C.)	0,3 %
p-Xylene (G.C.)	0,2 %
Darkened substances by H_2SO_4	p/t.
Sulphur compounds (as CS_2)	0,0003 %
Acidity	0,0002 meq/g
Alkalinity	0,0002 meq/g
Water (H_2O)	0,05 %
Thiophene (C_4H_4S)	0,0002 %
Ca	0,00005 %
Cd	0,000005 %
Co	0,000002 %
Cr	0,000002 %
Cu	0,000002 %
Fe	0,00001 %
Mg	0,00001 %
Mn	0,000002 %
Ni	0,000002 %
Pb	0,00001 %
Zn	0,00001 %

Order code	Package	Units/Box st.
122768.1611	1000 ml	6

m-Xylene PRS

$C_6H_4(CH_3)_2$

M: 106,17 CAS: 108-38-3 EINECS: 203-576-3 NC: 2902 42 00 UN: 1307
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn R: 10-20/21-38 S: 25 CE: 601-022-00-9

1l~0,867kg 1kg~1,153l

SPECIFICATIONS:

Assay (G.C.)	98 %
Identity	IR p/t.
Density at 20/4	0,864-0,870
Non-volatile matter	0,01 %
Ethylbenzene (G.C.)	0,2 %
Toluene (G.C.)	0,1 %
o-Xylene (G.C.)	0,5 %
p-Xylene (G.C.)	0,3 %
Acidity	0,0003 meq/g
Alkalinity	0,00025 meq/g
Water (H_2O)	0,05 %
Thiophene (C_4H_4S)	0,0005 %
Cu	0,00002 %
Fe	0,00005 %
Ni	0,00002 %
Pb	0,00002 %

Order code	Package	Units/Box st.
142768.1611	1000 ml	6

m-Xylene, 98,5% PS

$C_6H_4(CH_3)_2$

M: 106,17 CAS: 108-38-3 EINECS: 203-576-3 NC: 2902 42 00 UN: 1307
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn R: 10-20/21-38 S: 25 CE: 601-022-00-9

1l~0,867kg 1kg~1,153l

SPECIFICATIONS:

Minimum assay (G.C.)	98,5 %
Identity	IR p/t.
Density at 20/4	0,864-0,870
Water (H_2O)	0,05 %

Order code	Package	Units/Box st.
162768.1611	1000 ml	6
162768.1612	2,5 l	4

p-Xylene (Reag. USP) PA

$C_6H_4(CH_3)_2$

M: 106,17 CAS: 106-42-3 EINECS: 203-396-5 NC: 2902 43 00 UN: 1307
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn R: 10-20/21-38 S: 25 CE: 601-022-00-9

1l~0,862kg 1kg~1,16l

Minimum assay (G.C.)	99,0 %
Identity	IR p/t.
Density at 20/4	0,860-0,864
Refractive Index n^{20}/D	1,493-1,497

MAXIMUM LIMIT OF IMPURITIES

APHA colour	10
Non-volatile matter	0,001 %
Benzene (G.C.)	0,05 %
Ethylbenzene (G.C.)	0,1 %
Toluene (G.C.)	0,1 %
m-Xylene (G.C.)	0,2 %
o-Xylene (G.C.)	0,2 %
Darkened substances by H_2SO_4	p/t.
Sulphur compounds (as CS_2)	0,0003 %
Acidity	0,0002 meq/g
Alkalinity	0,0002 meq/g
Water (H_2O)	0,05 %
Thiophene (C_4H_4S)	0,0002 %

Metals by ICP [mg/Kg (ppm)]

Ag	0,05	Fe	0,1	Pb	0,1
Al	0,5	Ga	0,02	Pt	0,02
As	0,05	Ge	0,05	S	0,2
Au	0,05	Hg	0,1	Sb	0,02
B	0,02	In	0,05	Si	0,2
Ba	0,1	K	0,1	Sn	0,1
Be	0,02	Li	0,05	Sr	0,2
Bi	0,05	Mg	0,1	Ti	0,02
Ca	0,5	Mn	0,02	Tl	0,02
Cd	0,05	Mo	0,02	V	0,02
Co	0,02	Na	0,5	Zn	0,1
Cr	0,02	Ni	0,02	Zr	0,02
Cu	0,02	P	0,2		

Order code	Package	Units/Box st.
122769.1611	1000 ml	6

p-Xylene PRS

$C_6H_4(CH_3)_2$

M: 106,17 CAS: 106-42-3 EINECS: 203-396-5 NC: 2902 43 00 UN: 1307
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn R: 10-20/21-38 S: 25 CE: 601-022-00-9

1l~0,862kg 1kg~1,16l

SPECIFICATIONS:

Assay (G.C.) ..... 98 %
Identity ..... IR p/t.
Density at 20/4 0,860-0,864
Non-volatile matter ..... 0,01 %
Ethylbenzene (G.C.) ..... 0,2 %
Toluene (G.C.) ..... 0,2 %
m-Xylene (G.C.) ..... 0,5 %
o-Xylene (G.C.) ..... 0,5 %
Acidity ..... 0,0003 meq/g
Alkalinity ..... 0,00025 meq/g
Water (H_2O) ..... 0,05 %
Thiophene (C_4H_4S) ..... 0,0005 %
Cu ..... 0,00002 %
Fe ..... 0,00005 %
Ni ..... 0,00002 %
Pb ..... 0,00002 %

Order code	Package	Units/Box st.
142769.1611	1000 ml	6

p-Xylene, 99% PS

$C_6H_4(CH_3)_2$

M: 106,17 CAS: 106-42-3 EINECS: 203-396-5 NC: 2902 43 00 UN: 1307
IMDG: 3/III ADR: 3/III IATA: 3/III PAX: 309 CAO: 310
HAZARDOUS:

Xn R: 10-20/21-38 S: 25 CE: 601-022-00-9

1l~0,862kg 1kg~1,16l

SPECIFICATIONS:

Minimum assay (G.C.) ..... 99 %
Identity ..... IR p/t.
Density at 20/4 0,860-0,864
Water (H_2O) ..... 0,05 %

Order code	Package	Units/Box st.
162769.1611	1000 ml	6
162769.1612	2,5 l	4
162769.0616	25 l	

3,5-Xylenol

(see 3,5-Dimethylphenol)

Xylenol Orange Tetrasodium Salt PA-ACS

for complexometry

$C_{31}H_{28}O_{13}N_2SNa_4$

M: 760,60 CAS: 3618-43-7 EINECS: 222-805-8 NC: 3204 12 00

SPECIFICATIONS:

Identity ..... IR p/t.
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... p/t.
Loss on drying at 110°C ..... 7 %
Suitability as complexometric indicator ..... p/t.

Order code	Package	Units/Box st.
132617.1603	1 g	6
132617.1604	5 g	6

Xylol

(see Xylene, mixture of isomers)

D(+)-Xylose (RFE, BP, Ph. Eur.) PRS-CODEX

$C_5H_{10}O_5$

M: 150,13 CAS: 58-86-6 EINECS: 200-400-7 NC: 2940 00 00

SPECIFICATIONS:

Identity according to Pharmacopoeias ..... p/t.
Specific rotation $[\alpha]^{20}$/D c=10 (in H_2O) calc. a.d.s ..... +18,5 to+19,5°

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... p/t.
Loss on drying at 105°C ..... 0,5 %
Residue on ignition (as SO_4) ..... 0,1 %
Residual solvents (Ph.Eur./USP) ..... p/t
Acidity or alkalinity ..... p/t.
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,01 %
Heavy metals (as Pb) ..... 0,002 %
As ..... 0,0001 %
Cu ..... 0,002 %
Fe ..... 0,002 %
Ni ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
142080.1208	100 g	6
142080.1209	250 g	6

Yeast Extract (Ingredient) CULTIMED

Nutrient base in culture media

NC: 3504 00 00

SPECIFICATIONS:

pH of 2% solution 6,0-8
Loss on drying at 105°C ..... 10 %
Residue on ignition (as SO_4) ..... 16 %
Total Nitrogen ..... ≥10 %

Order code	Package	Units/Box st.
403687.1210	500 g	6
403687.0914	5 kg	
403687.0416	25 kg	

Yellow Primary Solution (BP, Ph. Eur.) PA

for determination of the coloration grade in liquids.

NC: 3822 00 00

1l~1,030kg 1kg~0,971l

SPECIFICATIONS:

Assay (as $FeCl_3.6H_2O$) ..... 44,95-45,05 g/l
ABS at λ 400 nm in H_2O 0,720-0,740

Order code	Package	Units/Box st.
125415.1208	100 ml	6

YTTERBIUM SOLUTIONS

(see Standards for ICP)

YTTRIUM SOLUTIONS

(see Standards for ICP)

N-Z-L-Alanine, 98% PS

$C_{11}H_{13}NO_4$

M: 223,22 CAS: 1142-20-7 EINECS: 214-532-8 NC: 2922 49 95

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A375.1604	5 g	6
15A375.1606	25 g	6

N-α-Z-L-Arginine, 98% PS

$C_4H_{20}N_4O_4$

M: 308,33 CAS: 1234-35-1 EINECS: 214-973-6 NC: 2922 49 95

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A553.1604	5 g	6
15A553.1606	25 g	6

N-Z-L-Aspartic Acid, 98% PS

$C_{12}H_{13}NO_6$

M: 267,23 CAS: 1152-61-0 EINECS: 214-568-4 NC: 2922 49 95

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A555.1604	5 g	6
15A555.1606	25 g	6

Zeleny's Reagent RV

for determination of the sedimentation grade in wheat meal according to ISO 5529:1992(L(+)-Lactic Acid 4,5% v/v; 2-Propanol 20% v/v); Water)

NC: 3822 00 00

HAZARDOUS:

Xi **R: 36/38 S: 26**

1l~0,985kg 1kg~1,015l

SPECIFICATIONS:

Concentration ..... 0,50±0,005 mol/l
Density at 15/15 0,984-0,986

Order code	Package	Units/Box st.
286079.1211	1000 ml	6

Zenker's Fixing DC

for microscopy

NC: 3822 00 00 UN: 3287

IMDG: 6.1/II ADR: 6.1/II IATA: 6.1/II PAX: 611 CAO: 618

HAZARDOUS:

T N **R: 25-36/38-48/21/22-49-46-51/53 S: 36/37/39-45-53-60-61**

1l~1,065kg 1kg~0,939l

Composition:
Mercury(II) Chloride ..... 5 g
Potassium Dichromate ..... 2,5 g
Sodium Sulphate anhydrous ..... 1 g
Water s.q.m ..... 100 ml

Order code	Package	Units/Box st.
254990.1210	500 ml	6

N-Z-L-Glutamic Acid, 98% PS

$C_{13}H_{15}NO_6$

M: 281,26 CAS: 1155-62-0 EINECS: 214-584-1 NC: 2922 49 95

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A556.1604	5 g	6
15A556.1606	25 g	6

Zinc metal, powder PRS

Zn

M: 65,38 CAS: 7440-66-6 EINECS: 231-175-3 NC: 7903 90 00 UN: 1436

IMDG: 4.3/III ADR: 4.3/III IATA: 4.3/III PAX: 419 CAO: 420

HAZARDOUS:

F N **R: 10-15-50/53 S: 43f-46-60-61 CE: 030-002-00-7**

SPECIFICATIONS:

Assay (Compl.) ..... 96 %
Insoluble matter in HCl ..... 0,05 %
Nitrogen compounds (as N) ..... 0,01 %
As ..... 0,00001 %
Cd ..... 0,05 %
Fe ..... 0,005 %
Pb ..... 0,01 %

Order code	Package	Units/Box st.
141783.1610	500 g	6
141783.1611	1000 g	6
141783.1214	5 kg	6
141783.0416	25 kg	

ZINC SOLUTIONS

(see Standards for Atomic Absorption and ICP)

Zinc Acetate 2-hydrate (Reag. USP, Ph. Eur.) PA-ACS

$Zn(CH_3COO)_2.2H_2O$

M: 219,49 CAS: 5970-45-6 EINECS: 209-170-2 NC: 2915 29 00

SPECIFICATIONS:

Assay (Compl.) ..... 99,5-101,0 %
pH of 5% solution 6,0-7,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Alkali and alkaline-earth salts ..... 0,1 %
Nitrogen compounds (as N) ..... 0,005 %
Chloride (Cl) ..... 0,0005 %
Nitrate (NO_3) ..... 0,005 %
Sulphate (SO_4) ..... 0,002 %
As ..... 0,00005 %
Ca ..... 0,005 %
Cd ..... 0,001 %
Cu ..... 0,001 %
Fe ..... 0,0005 %
K ..... 0,01 %
Mg ..... 0,005 %
Mn ..... 0,001 %
Na ..... 0,01 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
131775.1210	500 g	6
131775.1211	1000 g	6
131775.1214	5 kg	4
131775.0416	25 kg	

Zinc Acetate 2-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$Zn(CH_3COO)_2.2H_2O$

M: 219,49 CAS: 5970-45-6 EINECS: 209-170-2 NC: 2915 29 00

SPECIFICATIONS:

Assay (Compl.) 99,0-101,0%
Identity according to Pharmacopoieas ..... p/t.
pH of 5% solution 6,0-7,0

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Insoluble matter in H_2O ..... 0,005 %
Residual solvents (Ph.Eur./USP) ..... p/t
Chloride (Cl) ..... 0,005 %
Sulphate (SO_4) ..... 0,010 %
Alkali and alkaline-earth salts ..... 0,2 %
Reducing substances ..... p/t.
Al ..... 0,0005 %
As ..... 0,0002 %
Ca ..... 0,03 %
Cd ..... 0,0002 %
Cu ..... 0,005 %
Fe ..... 0,001 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141775.1210	500 g	6
141775.1211	1000 g	6
141775.1214	5 kg	4
141775.0416	25 kg	

Zinc Bromide, 98% PS

$ZnBr_2$

M: 225,19 CAS: 7699-45-8 EINECS: 231-718-4 NC: 2827 59 00 UN: 1759

IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823

HAZARDOUS:

C **R: 34 S: 26-36/37/39-45**

SPECIFICATIONS:

Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A887.1608	100 g	6
15A887.1610	500 g	6

Zinc Carbonate Basic

(see Zinc Hydroxide Carbonate)

aditio

Aditivos alimentarios
Food chemicals
Additifs alimentaires

Zinc Chloride PA-ACS

$ZnCl_2$

M: 136,28 CAS: 7646-85-7 EINECS: 231-592-0 NC: 2827 39 85 UN: 2331
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823

HAZARDOUS:

C N R: 22-34-50/53 S: 26-36/37/39-45-60-61 CE: 030-003-00-2

SPECIFICATIONS:

Minimum assay (Arg.) ..... 97,0 %

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in HCl ..... 0,005 %
Oxychloride ..... p/t.
Nitrate (NO_3) ..... 0,003 %
Sulphate (SO_4) ..... 0,01 %
Ammonium (NH_4) ..... 0,005 %
Ca ..... 0,06 %
Cd ..... 0,0005 %
Co ..... 0,0005 %
Cr ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
K ..... 0,02 %
Mg ..... 0,005 %
Mn ..... 0,001 %
Na ..... 0,05 %
Ni ..... 0,0005 %
Pb ..... 0,001 %

Order code	Package	Units/Box st.
131779.1210	500 g P	6
131779.1211	1000 g P	6
131779.1214	5 kg P	4

Zinc Chloride PRS

$ZnCl_2$

M: 136,28 CAS: 7646-85-7 EINECS: 231-592-0 NC: 2827 39 85 UN: 2331
IMDG: 8/III ADR: 8/III IATA: 8/III PAX: 822 CAO: 823

HAZARDOUS:

C N R: 22-34-50/53 S: 26-36/37/39-45-60-61 CE: 030-003-00-2

SPECIFICATIONS:

Assay (Compl.) ..... 97 %
Insoluble matter in HCl ..... 0,05 %
Sulphate (SO_4) ..... 0,05 %
Fe ..... 0,002 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
141779.1210	500 g P	6
141779.1211	1000 g P	6
141779.1214	5 kg P	4

Zinc Cyanide PRS

$Zn(CN)_2$

M: 117,42 CAS: 557-21-1 EINECS: 209-162-9 NC: 2837 19 00 UN: 1713
IMDG: 6.1/I ADR: 6.1/I IATA: 6.1/I PAX: 606 CAO: 607

HAZARDOUS:

T+ N R: 26/27/28-32-50/53 S: 7-28a-29-45-60-61 CE: 006-007-00-5

SPECIFICATIONS:

Assay (Compl.) ..... 98 %
Sulphate (SO_4) ..... 0,1 %
Fe ..... 0,005 %

Order code	Package	Units/Box st.
141778.1209	250 g P	6
141778.1214	5 kg P	
141778.0716	25 kg P	

Zinc Hydroxide Carbonate QP

$2ZnCO_3.3Zn(OH)_2$

M: 549,02 CAS: 5263-02-5 EINECS: 226-076-7 NC: 2836 99 17

SPECIFICATIONS:

Assay (as Zn)(Compl.) ..... 48 %
Insoluble matter in H_2SO_4 ..... 0,05 %
Chloride (Cl) ..... 0,01 %
Nitrate (NO_3) ..... 0,01 %
Sulphate (SO_4) ..... 0,05 %
As ..... 0,0003 %
Fe ..... 0,01 %
Pb ..... 0,01 %

Order code	Package	Units/Box st.
211777.1210	500 g P	6
211777.1211	1000 g P	6
211777.0914	5 kg PP	
211777.0416	25 kg	

Zinc Nitrate 6-hydrate PA

$Zn(NO_3)_2.6H_2O$

M: 297,47 CAS: 10196-18-6 EINECS: 231-943-8 NC: 2834 29 80 UN: 1514
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

O Xn R: 8-22-36/37/38

SPECIFICATIONS:

Assay (Compl.) 98,0-102,0%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Alkali and alkaline-earth salts ..... 0,25 %
Chloride (Cl) ..... 0,002 %
Sulphate (SO_4) ..... 0,01 %
Ammonia (NH_3) ..... 0,01 %
Ca ..... 0,001 %
Cu ..... 0,0005 %
Fe ..... 0,001 %
Mg ..... 0,002 %
Ni ..... 0,0005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
121784.1210	500 g P	6
121784.1211	1000 g P	6
121784.1214	5 kg P	4

Zinc Nitrate 6-hydrate PRS

$Zn(NO_3)_2.6H_2O$

M: 297,47 CAS: 10196-18-6 EINECS: 231-943-8 NC: 2834 29 80 UN: 1514
IMDG: 5.1/II ADR: 5.1/II IATA: 5.1/II PAX: 508 CAO: 511

HAZARDOUS:

O Xn R: 8-22-36/37/38

SPECIFICATIONS:

Assay (Compl.) ..... 98-102 %
Insoluble matter in H_2O ..... 0,025 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,03 %
Ammonia (NH_3) ..... 0,05 %
Cu ..... 0,002 %
Fe ..... 0,003 %
Ni ..... 0,002 %
Pb ..... 0,01 %

Order code	Package	Units/Box st.
141784.1210	500 g P	6
141784.1211	1000 g P	6
141784.1214	5 kg P	4
141784.0416	25 kg PP	

Zincon PA

for photometric determination of Copper and Zinc

$C_{20}H_{15}N_4NaO_6S.H_2O$

M: 480,43 CAS: 62625-22-3 EINECS: 263-651-1 NC: 2928 00 90

SPECIFICATIONS:

Identity ..... IR p/t.
λ of max. ABS in NaOH 0,001 mol/l ..... 490-495 nm
A 1%, 1 cm, λmax ..... >375
T.L.C ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 135°C ..... 10 %
Sensitivity as complexometric indicator. ..... p/t.

Order code	Package	Units/Box st.
122667.1603	1 g	6
122667.1604	5 g	6

Zinc Oxide EQP-ACS

Primary Chemical Matter
ZnO
M: 81,39 CAS: 1314-13-2 EINECS: 215-222-5 NC: 2817 00 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911
HAZARDOUS:
N
R: 50/53 S: 60-61
SPECIFICATIONS:
Assay (Compl.) after drying at 130°C 99,95-100,05%
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2SO_4 ..... 0,01 %
Alkalinity ..... p/t.
Sulphur compounds (as SO_4) ..... 0,01 %
Chloride (Cl) ..... 0,001 %
Nitrate (NO_3) ..... 0,002 %
As ..... 0,0001 %
Ca ..... 0,005 %
Cd ..... 0,002 %
Co ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
241786.1521	10 x 1,5 g	6
241786.1608	100 g	6

Zinc Oxide PA-ACS

ZnO
M: 81,39 CAS: 1314-13-2 EINECS: 215-222-5 NC: 2817 00 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911
HAZARDOUS:
N
R: 50/53 S: 60-61
SPECIFICATIONS:
Minimum assay (Compl.) ..... 99,0 %
MAXIMUM LIMIT OF IMPURITIES
Insoluble matter in H_2SO_4 ..... 0,01 %
Alkalinity ..... p/t.
Sulphur compounds (as SO_4) ..... 0,01 %
Chloride (Cl) ..... 0,001 %
Nitrate (NO_3) ..... 0,002 %
As ..... 0,0001 %
Ca ..... 0,005 %
Cd ..... 0,002 %
Co ..... 0,0005 %
Cu ..... 0,0005 %
Fe ..... 0,0005 %
K ..... 0,005 %
Mg ..... 0,005 %
Mn ..... 0,0005 %
Na ..... 0,005 %
Ni ..... 0,0005 %
Pb ..... 0,005 %

Order code	Package	Units/Box st.
131786.1210	500 g	6
131786.1211	1000 g	6
131786.0914	5 kg	
131786.0416	25 kg	

Zinc Oxide PRS

ZnO
M: 81,39 CAS: 1314-13-2 EINECS: 215-222-5 NC: 2817 00 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911
HAZARDOUS:
N
R: 50/53 S: 60-61
SPECIFICATIONS:
Assay (Compl.) ..... 98 %
Insoluble matter in H_2SO_4 ..... 0,05 %
Sulphur compounds (as SO_4) ..... 0,05 %
Chloride (Cl) ..... 0,005 %
As ..... 0,0005 %
Ca ..... 0,1 %
Cu ..... 0,01 %
Fe ..... 0,003 %
Mg ..... 0,1 %
Ni ..... 0,01 %
Pb ..... 0,01 %

Order code	Package	Units/Box st.
141786.1210	500 g	6
141786.1211	1000 g	6
141786.0914	5 kg	
141786.0416	25 kg	

Zinc Oxide (RFE, USP, BP, Ph. Eur.) CODEX

ZnO
M: 81,39 CAS: 1314-13-2 EINECS: 215-222-5 NC: 2817 00 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911
HAZARDOUS:
N
R: 50/53 S: 60-61
SPECIFICATIONS:
Assay (Compl.) (calc. a.i.s.) ..... 99,0-100,5 %
Identity according to Pharmacopoeias ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Loss on ignition at 500°C ..... 1,0 %
Residual solvents (Ph.Eur./USP) ..... p/t.
Alkalinity ..... p/t.
Carbonate and insoluble substances in acid ..... p/t.
Iron and other heavy metals ..... p/t.
As ..... 0,0005 %
Cd ..... 0,0010 %
Fe ..... 0,02 %
Pb ..... 0,0050 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
191786.1210	500 g	6
191786.1211	1000 g	6
191786.0914	5 kg	
191786.0416	25 kg	

Zinc Oxide (F.C.C.) ADITIO

ZnO
M: 81,39 CAS: 1314-13-2 EINECS: 215-222-5 NC: 2817 00 00 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911
HAZARDOUS:
N
R: 50/53 S: 60-61
SPECIFICATIONS:
Assay (as ZnO) after ignition, not less than ..... 99,0 %
Alkalinity ..... p/t.
Cadmium, not more than ..... 3 ppm
Lead, not more than ..... 10 ppm
Loss on ignition, not more than ..... 1,0 %
Substances not precipitated by sulphide, not more than ..... 0,5 %
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201786.0416	25 kg	

Zinc Phenolsulphonate 8-hydrate PRS

$C_{12}H_{10}O_8S_2Zn.8H_2O$
M: 555,83 CAS: 127-82-2 EINECS: 204-867-8 NC: 2908 99 10
HAZARDOUS:
Xn
R: 22
SPECIFICATIONS:
Assay (Compl.) ..... 99-103 %
pH of 5% solution ..... ≥4,0
Insoluble matter in H_2O ..... 0,025 %
Chloride (Cl) ..... 0,01 %
Sulphate (SO_4) ..... 0,025 %

Order code	Package	Units/Box st.
141781.1211	1000 g	6
141781.0914	5 kg	

Zinc Stearate (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$C_{36}H_{70}O_4Zn$
M: 632,33 CAS: 557-05-1 EINECS: 209-151-9 NC: 2915 70 30
SPECIFICATIONS:
Assay (as Zn) (Compl.) 10,0-12,0%
Assay (as ZnO) (Compl.) 12,5-14,0%
Indentity according to Pharmacopoeias ..... p/t.
MAXIMUM LIMIT OF IMPURITIES
Appearance of solution ..... p/t.
Appearance of solut. of the fatty acids. ..... p/t.
Acidity or alkalinity ..... p/t.
Acid value of the fatty acids 195-210
Residual solvents (Ph.Eur./USP) ..... p/t
Chloride (Cl) ..... 0,025 %
Sulphate (SO_4) ..... 0,6 %
Alkalis and alkaline earths salts ..... 1,0 %
As ..... 0,00015 %
Ca ..... 0,01 %
Cd ..... 0,0005 %
K ..... 0,01 %
Mg ..... 0,01 %
Na ..... 0,01 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141895.1211	1000 g	6
141895.0914	5 kg	

Zinc Stearate QP

$C_{36}H_{70}O_4Zn$

M: 632,33 CAS: 557-05-1 EINECS: 209-151-9 NC: 2915 70 30

SPECIFICATIONS:

Assay (as ZnO)(Compl.) ..... 12-15 %
Alkali and alkaline-earth salts ..... 1,5 %
As ..... 0,00015 %
Pb ..... 0,002 %

Order code	Package	Units/Box st.
211895.1211	1000 g	6
211895.0914	5 kg	
211895.0416	25 kg	

Zinc Sulphate 1-hydrate PA

$ZnSO_4.H_2O$

M: 179,45 CAS: 7446-19-7 EINECS: 231-793-3 NC: 2833 29 20 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

Xn N **R: 22-41-50/53 S: 22-26-39-46-60-61 CE: 030-006-00-9**

SPECIFICATIONS:

Minimum assay (Compl.) ..... 99 %
pH of 5% solution 5,0-6,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,01 %
Chloride (Cl) ..... 0,002 %
Nitrogen compounds (as N) ..... 0,005 %
As ..... 0,0001 %
Ca ..... 0,005 %
Cd ..... 0,001 %
Co ..... 0,001 %
Cu ..... 0,001 %
Fe ..... 0,001 %
K ..... 0,01 %
Mg ..... 0,005 %
Mn ..... 0,001 %
Na ..... 0,01 %
Ni ..... 0,001 %
Pb ..... 0,006 %

Order code	Package	Units/Box st.
121788.1210	500 g	6
121788.1211	1000 g	6
121788.1214	5 kg	4

Zinc Sulphate 1-hydrate (USP) PRS-CODEX

$ZnSO_4.H_2O$

M: 179,45 CAS: 7446-19-7 EINECS: 231-793-3 NC: 2833 29 20 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

Xn N **R: 22-41-50/53 S: 22-26-39-46-60-61 CE: 030-006-00-9**

SPECIFICATIONS:

Assay (Compl.) 99,0-100,5%
Identity according to Pharmacopoeias ..... p/t.

MAXIMUM LIMIT OF IMPURITIES

Residual solvents (Ph.Eur./USP) ..... p/t
Acidity ..... p/t.
Alkalis and alkaline-earths ..... 0,9 %
As ..... 0,0001 %
Pb ..... 0,002 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141788.1210	500 g	6
141788.1211	1000 g	6
141788.1214	5 kg	4
141788.0416	25 kg	

Zinc Sulphate 1-hydrate (F.C.C.) ADITIO

$ZnSO_4.H_2O$

M: 179,45 CAS: 7446-19-7 EINECS: 231-793-3 NC: 2833 29 20 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

Xn N **R: 22-41-50/53 S: 22-26-39-46-60-61 CE: 030-006-00-9**

SPECIFICATIONS:

Assay (as $ZnSO_4.H_2O$) 98,0-100,5%
Acidity ..... p/t.
Alkalis and alkaline-earths, not more than ..... 0,5 %
Cadmium, not more than ..... 2 ppm
Lead, not more than ..... 4 ppm
Mercury, not more than ..... 5 ppm
Selenium, not more than ..... 0,003 %
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201788.1214	5 kg	4
201788.0416	25 kg	

Zinc Sulphate 7-hydrate PA-ACS

$ZnSO_4.7H_2O$

M: 287,54 CAS: 7446-20-0 EINECS: 231-793-3 NC: 2833 29 20 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

Xn N **R: 22-41-50/53 S: 22-26-39-46-60-61 CE: 030-006-00-9**

SPECIFICATIONS:

Assay (Compl.) 99,5-103,0%
pH of 5% solution 4,4-6,0

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter in H_2O ..... 0,005 %
Chloride (Cl) ..... 0,0005 %
Nitrogen compounds (as N) ..... 0,0005 %
As ..... 0,00005 %

Metals by ICP [mg/Kg (ppm)]

Al 5	Cu 5	Na 50
Bi 5	Fe 5	Ni 5
Ca 10	Hg 5	Pb 20
Cd 10	K 50	Sr 5
Co 5	Mg 10	
Cr 5	Mn 3	

Order code	Package	Units/Box st.
131787.1210	500 g	6
131787.1211	1000 g	6
131787.1214	5 kg	4
131787.0416	25 kg	

Zinc Sulphate 7-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX

$ZnSO_4.7H_2O$

M: 287,54 CAS: 7446-20-0 EINECS: 231-793-3 NC: 2833 29 20 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

Xn N **R: 22-41-50/53 S: 22-26-39-46-60-61 CE: 030-006-00-9**

SPECIFICATIONS:

Assay (Compl.) 99,0-104,0%
Identity according to Pharmacopoeias ..... p/t.
pH of 5% solution 4,4-5,6

MAXIMUM LIMIT OF IMPURITIES

Appearance of solution ..... p/t.
Residual solvents (Ph.Eur./USP) ..... p/t
Acidity ..... p/t.
Chloride (Cl) ..... 0,03 %
Nitrogen compounds (as N) ..... 0,005 %
Alkalis and alkaline-earths ..... 0,5 %
As ..... 0,0001 %
Ca ..... 0,02 %
Fe ..... 0,005 %
Pb ..... 0,001 %
Complies USP 29 specifications

Order code	Package	Units/Box st.
141787.1210	500 g	6
141787.1211	1000 g	6
141787.1214	5 kg	4
141787.0416	25 kg	

Zinc Sulphate 7-hydrate (F.C.C.) ADITIO

$ZnSO_4.7H_2O$

M: 287,54 CAS: 7446-20-0 EINECS: 231-793-3 NC: 2833 29 20 UN: 3077
IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

Xn N **R: 22-41-50/53 S: 22-26-39-46-60-61 CE: 030-006-00-9**

SPECIFICATIONS:

Assay (as $ZnSO_4.7H_2O$) 99,0-108,7%
Acidity ..... p/t.
Alkalis and alkaline-earths, not more than ..... 0,5 %
Cadmium, not more than ..... 2 ppm
Lead, not more than ..... 4 ppm
Mercury, not more than ..... 5 ppm
Selenium, not more than ..... 0,003 %
Specifications F.C.C. 6

Order code	Package	Units/Box st.
201787.1214	5 kg	4
201787.0416	25 kg	

ZINC SULPHATE VOLUMETRIC SOLUTIONS

Zinc Sulphate 0,05 mol/l (0,05M) SV

Indicator: Eriochrome Black T
$ZnSO_4.7H_2O$
M: 287,54 CAS: 7446-20-0 EINECS: 231-793-3 NC: 2833 29 20
HAZARDOUS:
R: 52 CE: 030-006-00-9
1l~1,007kg 1kg~0,993l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
182163.1211	1000 ml	6

Zinc Sulphate 0,1 mol/l (0,1M) SV

Indicator: Eriochrome Black T
$ZnSO_4.7H_2O$
M: 287,540 CAS: 7446-20-0 EINECS: 231-793-3 NC: 2833 29 20
HAZARDOUS:
R: 52 CE: 030-006-00-9
1l~1,013kg 1kg~0,987l
SPECIFICATIONS:
Titer .....1,000±0,001

Order code	Package	Units/Box st.
181789.1211	1000 ml	6

Zinc Sulphide QP

ZnS
M: 97,43 CAS: 1314-98-3 EINECS: 215-251-3 NC: 2830 90 85
SPECIFICATIONS:
Minimum assay ..... 97 %

Order code	Package	Units/Box st.
213041.1209	250 g	6
213041.1211	1000 g	6

Zinc Sulphophenate

(see Zinc Phenolsulphonate 8-hydrate)

ZIRCONIUM SOLUTIONS

(see Standards for ICP)

Z-D-N-MeLeu-OH

(see Chapter Panreac Sintesis - Custom and Contract Synthesis)

Z-ONSu

(see N-(Benzyloxycarbonyloxy) Succinimide)

Z-OSu

(see N-(Benzyloxycarbonyloxy) Succinimide)

N-Z-L-Phenylalanine, 98% PS

$C_{17}H_{17}NO_4$
M: 299,32 CAS: 1161-13-3 EINECS: 214-599-3 NC: 2922 49 95
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A563.1606	25 g	6

N-Z-L-Proline, 98% PS

M: 249,26 CAS: 1148-11-4 EINECS: 214-557-4 NC: 2922 49 95
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A564.1605	10 g	6

N-α-Z-L-Tryptophan, 98% PS

M: 338,36 CAS: 7432-21-5 EINECS: 231-074-4 NC: 2922 49 95
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A567.1604	5 g	6
15A567.1606	25 g	6

N-Z-L-Tyrosine hydrate, 98% PS

$C_{17}H_{17}NO_4.xH_2O$
M: 315,33 CAS: 1164-16-5 EINECS: 214-609-6 NC: 2922 49 95
SPECIFICATIONS:
Minimum assay ..... 98 %

Order code	Package	Units/Box st.
15A568.1604	5 g	6
15A568.1606	25 g	6

N-Z-L-Valine, 99% PS

$C_{13}H_{17}NO_4$
M: 251,28 CAS: 1149-26-4 EINECS: 214-562-1 NC: 2922 49 95
SPECIFICATIONS:
Assay ..... 99 %
Identity ..... IR p/t.
Melting range ..... 58-62°C

Order code	Package	Units/Box st.
15A469.1604	5 g	6
15A469.1606	25 g	6

Z-Val-OH

(see N-Z-L-Valine)

Panreac

Reactivos para análisis
Analytical reagents
Réactifs pour analyse

YOUR EUROPEAN PARTNER FOR CUSTOM AND CONTRACT SYNTHESIS

Panreac Sintesis is focused in offering our customers the custom synthesis service.

We focus on manufacturing organic compounds, using an existing method of synthesis, or developing a new method.

CAPABILITIES:

- Lab scale: we carry out development projects and productions up to 1 kg.

- Pilot plant: productions up to 10 kg.

- Industrial production: productions up to 1 Tm.

TYPES OF PROJECTS WE MANAGE:

- Development projects

- Non-commercial starting materials and organic reagents

- Non-GMP intermediates

- Scaling of industrial procedures and productions

- Reactions with reagents which are hard to handle

- Enantioselective chemicals

STRONG POINTS THAT MAKE PANREAC SINTESIS YOUR IDEAL PARTNER:

- Project Management: direct communication via a personal contact throughout all stages of the project and possibility of technical discussions with R&D personnel.

- Analytical Department: highly strict quality control on all products and most modern instrumental techniques and equipment. We are able to develop an analytical method for your product.

- R&D Team: we are young, highly qualified team and with a customer-oriented mentality.

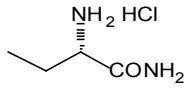
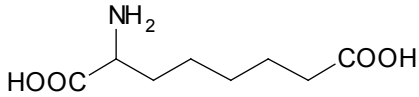
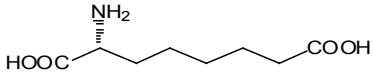
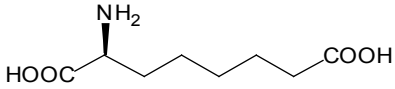
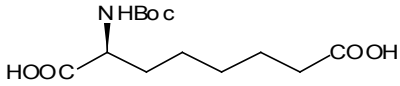
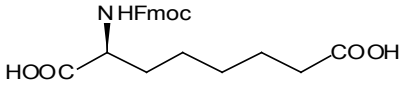
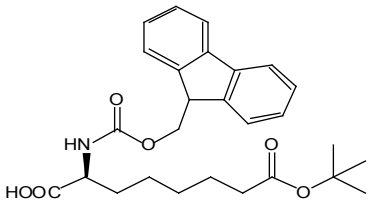
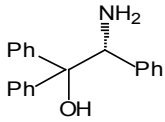
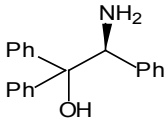
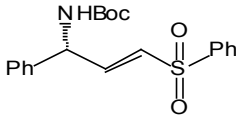
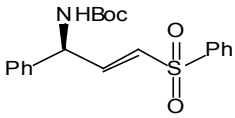
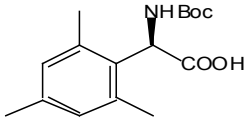
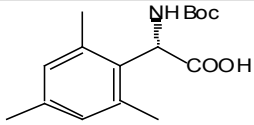
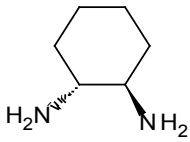
- Confidentiality: we work on basis of strict confidentiality if it is necessary.

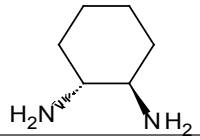
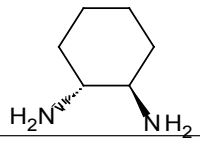
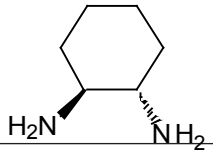
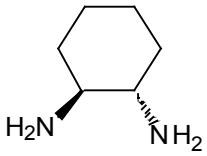
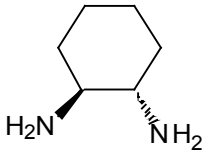
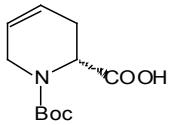
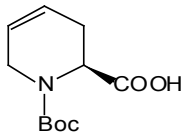
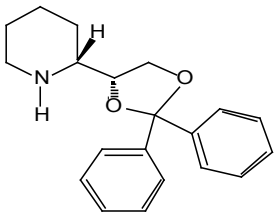
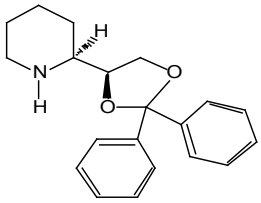
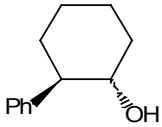
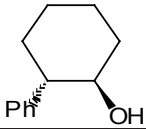
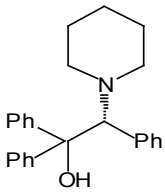
- **Responsiveness:** direct and reliable communication. Fast answer to any request.

The Panreac Sintesis team has collaboration agreements with other Companies and University Departments highly specialized in specific fields of organic chemistry for providing support in special projects. An example of close collaboration in chiral synthesis is done with Enantia, S.L., a spin-off from the University of Barcelona.

Panreac

Some examples of products we have produced:

Code	CAS No.	Description	
15C708	[7682-20-4]	S-2-Aminobutyramide Hydrochloride	
15C422	[3054-07-7]	D,L-2-Aminosuberic Acid	
15C706	[19641-63-5]	(R)-2-Aminosuberic Acid	
15C413	[4254-88-0]	(S)-2-Aminosuberic Acid	
15C701	[66713-87-9]	(S)-Boc-2-Aminosuberic Acid	
15C702	[218457-76-2]	(S)-Fmoc-2-Aminosuberic Acid	
15C703	[276869-41-1]	Fmoc-L-2-Aminosuberic Acid, 8-tert-Butyl Ester	
15C689	[79868-79-4]	(R)- 2-Amino-1,1,2-Triphenylethanol	
15C688	[129704-13-8]	(S)- 2-Amino-1,1,2-Triphenylethanol	
15C696	-	(R)-(3-Benzenesulfonyl-1-Phenylallyl)-Carbamic Acid tert-Butyl Ester	
15C695	-	(S)-(3-Benzenesulfonyl-1-Phenylallyl)-Carbamic Acid tert-Butyl Ester	
15C697	[287929-70-8]	(R) tert-Butoxycarbonylamino-(2,4,6-Trimethylphenyl)-Acetic Acid	
15C698	[287929-86-6]	(S) tert-Butoxycarbonylamino-(2,4,6-Trimethylphenyl)-Acetic Acid	
15C517	[20439-47-8]	(1R,2R)-Diaminocyclohexane, ≤0,1% cis, ee ≥ 99,8%	

Code	CAS No.	Description	
15C671	[20439-47-8]	(1R,2R)-Diaminocyclohexane, ≤0,5% cis, ee ≥ 99%	
15C385	[20439-47-8]	(1R,2R)-Diaminocyclohexane, ≤2% cis, ee ≥ 96%	
15C516	[21436-03-3]	(1S,2S)-Diaminocyclohexane, ≤0,1% cis, ee ≥ 99,8%	
15C668	[21436-03-3]	(1S,2S)-Diaminocyclohexane, ≤0,5% cis, ee ≥ 99%	
15C384	[21436-03-3]	(1S,2S)-Diaminocyclohexane, ≤2% cis, ee ≥ 96%	
15C693	-	(2R)-3,6-Dihydro-2H-Pyridine-1,2-Dicarboxylic Acid 1-tert-Butyl Ester	
15C694	[417726-36-4]	(2S)-3,6-Dihydro-2H-Pyridine-1,2-Dicarboxylic Acid 1-tert-Butyl Ester	
15C700	[4792-18-1]	(R, R)- 2-(2,2-Diphenyl-[1,3]-Dioxolan-4-yl)-Piperidine	
15C699	[4741-41-7]	(S, S)- 2-(2,2-Diphenyl-[1,3]-Dioxolan-4-yl)-Piperidine	
15C690	[98919-68-7]	(1R, 2S)-2-Phenyl-1-Cyclohexanol	
15C691	[34281-92-0]	(1S, 2R)-2-Phenyl-1-Cyclohexanol	
15C687	[213995-12-1]	(R)-2-Piperidino-1,1,2-Triphenylethanol	

Panreac

Code	CAS No.	Description
15C686		(S)-2-Piperidino-1,1,2-Triphenylethanol
15C692	[143768-86-9]	(3aR*, 4R*, 7S*, 7aS*)-3a, 4, 7, 7a-Tetrahydro-2-(Trimethylsilyl)-4,7-Methano-1H-Inden-1-one
15C709	[297746-10-2]	(3aR, 4R, 7S, 7aS)-3a, 4, 7, 7a-Tetrahydro-2-(Trimethylsilyl)-4,7-Methano-1H-Inden-1-one
15C707	[297746-05-5]	(3aS, 4S, 7R, 7aR)-3a, 4, 7, 7a-Tetrahydro-2-(Trimethylsilyl)-4,7-Methano-1H-Inden-1-one
15C478	[95061-46-4]	(R)-1,1,2-Triphenyl-1,2-Ethanediol
15C477	[108998-83-0]	(S)-1,1,2-Triphenyl-1,2-Ethanediol
15C705	[183849-26-5]	(R)-Triphenyloxirane
15C704	[157556-88-2]	(S)-Triphenyloxirane
15C588	[65635-85-0]	Z-D-N-MeLeu-OH

For more information about our capabilities and products, please, do not hesitate to contact us. (panreacsintesis@panreac.com)

PANREAC SINTESIS

Intermedios para síntesis
Synthesis intermediates
Intermédiaires de synthèse

Microbiology

INGREDIENTS

Agar, Bacteriological American Type (Ingredient) CULTIMED

Solidifying agent used in bacteriological culture media

CAS: 9002-18-0 EINECS: 232-658-1 NC: 1302 31 00

SPECIFICATIONS:

Gelling range 1,5% ..... 32-38°C
Melting range 1,5% gel ..... 80-95°C
Gel strength 1,5% (Nikan's Method) ..... 600-850 g/cm²
pH in gel 1,5% 6-7

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 20 %
Residue on ignition (as SO_4) ..... 6 %

Order code	Package	Units/Box st.
402303.1210	500 g	6
402303.0914	5 kg	
402303.0416	25 kg	

Agar, Bacteriological European Type (Ingredient) CULTIMED

Solidifying agent used in bacteriological culture media

CAS: 9002-18-0 EINECS: 232-658-1 NC: 1302 31 00

SPECIFICATIONS:

Gelling range of 1,5% solution ..... 32-39,5°C
Melting range of 1,5% solution ..... 80-90°C
Gel strength of 1,5 % solution (Nikan's Method) ..... 800-1100 g/cm²
pH in gel of 1,5% solution 6,0-7,5

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 10 %
Residue on ignition (as SO_4) ..... 5 %

Order code	Package	Units/Box st.
402302.1210	500 g	6
402302.0914	5 kg	
402302.0416	25 kg	

Agar, Purified (Ingredient) CULTIMED

for inmunodiffusion, electrophoresis and cell culture

CAS: 9002-18-0 EINECS: 232-658-1 NC: 1302 31 00

SPECIFICATIONS:

Melting range 1,5% gel ..... 80-95°C
Gel strength 1,5% (Nikan's Method) ..... 700-1200 g/cm²
pH in gel 1,5% 5,5-7,4
Loss on drying at 105°C ..... 10 %
Residue on ignition (as SO_4) ..... 5 %

Order code	Package	Units/Box st.
403904.1210	500 g	6
403904.0914	5 kg	
403904.0416	25 kg	

Agar, Technical (Ingredient) CULTIMED

Solidifying agent used in bacteriological culture media

CAS: 9002-18-0 EINECS: 232-658-1 NC: 1302 31 00

SPECIFICATIONS:

Gel strength 1,5% (Nikan's Method) ..... 700-1100 g/cm²
pH in gel 1,5% 6,0-7,5

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 105°C ..... 20 %
Residue on ignition (as SO_4) ..... 5 %

Order code	Package	Units/Box st.
401792.1210	500 g	6
401792.0914	5 kg	
401792.0416	25 kg	

Bile Salts n° 3 (Ingredient) CULTIMED

Product used to estimulate the growth of enteric bacteria.

NC: 3504 00 00

SPECIFICATIONS:

pH of 2% solution 7,5-9,5
Loss on drying at 105°C ..... 5 %
Insoluble matter in H_2O ..... p/t.

Order code	Package	Units/Box st.
403896.1210	500 g	6
403896.0914	5 kg	
403896.0416	25 kg	

Casein Peptone (Ingredient) CULTIMED

Nutritional ingredient to prepare culture media.

NC: 3504 00 00

SPECIFICATIONS:

pH of 2% solution 6,5-7,5
Loss on drying at 105°C ..... 7 %
Residue on ignition (as SO_4) ..... 15 %
Total Nitrogen ..... ≥10 %

Order code	Package	Units/Box st.
403898.1210	500 g	6
403898.0914	5 kg	
403898.0416	25 kg	

Casein Peptone Hydrolyzed (Ingredient) CULTIMED

Nutritional ingredient to prepare culture media.

NC: 3504 00 00

SPECIFICATIONS:

pH of 2% solution 6,5-7,5
Loss on drying at 105°C ..... 5 %
Residue on ignition (as SO_4) ..... 45 %
Total Nitrogen ..... ≥5 %

Order code	Package	Units/Box st.
403691.1210	500 g	6
403691.0914	5 kg	
403691.0416	25 kg	

Gelatine, Bacteriological (Ingredient) CULTIMED

Demonstration of proteoytic microorganisms.

CAS: 9000-70-8 EINECS: 232-554-6 NC: 3503 00 10

SPECIFICATIONS:

pH of 2% solution 4,0-7,5
Loss on drying ..... 13 %
Residue on ignition ..... 1 %

Order code	Package	Units/Box st.
403902.1210	500 g	6

Gelatine Peptone (Ingredient) CULTIMED

Nutritional ingredient to prepare culture media.

NC: 3504 00 00

SPECIFICATIONS:

pH of 2% solution 6-7,5
Loss on drying at 105°C ..... 10 %
Residuo de calcinación (as SO_4) ..... 15 %
Total Nitrogen ..... ≥10 %

Order code	Package	Units/Box st.
403686.1210	500 g	6
403686.0914	5 kg	
403686.0416	25 kg	

Hemoglobine (Additive) CULTIMED

Enrichment additive for the isolation of some fastidious microorganisms.

NC: 3002 10 91

SPECIFICATIONS:

pH of 5% solution 7,5-8,5
Loss on drying at 105°C ..... 5 %
Insoluble matter in H_2O ..... p/t.
Salmonella ..... Absence/10 g

Order code	Package	Units/Box st.
402876.1210	500 g	6
402876.0914	5 kg	
402876.0416	25 kg	

Malt Extract (Ingredient) CULTIMED

Nutritional ingredient in media preparation for yeast and moulds

NC: 3504 00 00

SPECIFICATIONS:

pH of 5% solution 4,5-6,0
Loss on drying at 105°C ..... 6 %
Residue on ignition (as SO_4) ..... 4 %

Order code	Package	Units/Box st.
403690.1210	500 g	6
403690.0914	5 kg	
403690.0416	25 kg	

Meat Extract (Ingredient) CULTIMED

Nutrient base in culture media

NC: 3504 00 00

SPECIFICATIONS:

pH of 2% solution 6,5-7
Loss on drying at 105°C ..... 6 %
Residue on ignition (as SO_4) ..... 16 %
Nitrogen, total ..... ≥10 %

Order code	Package	Units/Box st.
403692.1210	500 g	6
403692.0914	5 kg	
403692.0416	25 kg	

Meat Peptone (Ingredient) CULTIMED

Source of nitrogen for culture media

NC: 3504 00 00

SPECIFICATIONS:

pH of 2% solution 6,5-7,5
Loss on drying at 105°C ..... 6 %
Residue on ignition (as SO_4) ..... 15 %
Total Nitrogen ..... ≥10 %

Order code	Package	Units/Box st.
403683.1210	500 g	6
403683.0914	5 kg	
403683.0416	25 kg	

Mycological Peptone (Ingredient) CULTIMED

Nutritional ingredient to prepare culture media

NC: 3504 00 00

SPECIFICATIONS:

pH of 2% solution 6-7,5
Loss on drying at 105°C ..... 6 %
Residue on ignition (as SO_4) ..... 15 %
Total Nitrogen ..... ≥10 %

Order code	Package	Units/Box st.
404140.1210	500 g	6
404140.0914	5 kg	
404140.0416	25 kg	

Ox Bile (Ingredient) CULTIMED

Product used to estimulate the growth of enteric bacteria.

NC: 0510 00 00

SPECIFICATIONS:

pH of 2% solution 6,0-8,5
Loss on drying at 105°C ..... 6 %
Cholic Acid ..... ≥40 %

Order code	Package	Units/Box st.
403685.1210	500 g	6
403685.0914	5 kg	
403685.0416	25 kg	

Peptone, Bacteriological (Ingredient) CULTIMED

Product used in bacteriological culture media.

EINECS: 293-428-4 NC: 3504 00 00

SPECIFICATIONS:

pH of 2% solution 6,5-7,5
Loss on drying at 105°C ..... 6 %
Residue on ignition (as SO_4) ..... 15 %
Total Nitrogen ..... ≥12 %

Order code	Package	Units/Box st.
403695.1210	500 g	6
403695.0914	5 kg	
403695.0416	25 kg	

Potato Starch (Ingredient) CULTIMED

Nutritional ingredient in media preparation for yeast and moulds.

NC: 3504 00 00

SPECIFICATIONS:

pH of 2% solution 5-8
Loss on drying at 105°C ..... 20 %
Residue on ignition (as SO_4) ..... 1 %
Total Nitrogen ..... 0,017 %

Order code	Package	Units/Box st.
404148.1210	500 g	6
404148.0914	5 kg	
404148.0416	25 kg	

Proteose Peptone (Ingredient) CULTIMED

Ingredient of a high nutritive value for culture media

NC: 3504 00 00

SPECIFICATIONS:

pH 2% solution 6,5-7,5
Loss on drying at 105°C ..... 6 %
Residue on ignition (as SO_4) ..... 12 %
Total Nitrogen ..... ≥10 %

Order code	Package	Units/Box st.
403901.1210	500 g	6
403901.0914	5 kg	
403901.0416	25 kg	

Proteose Peptone n° 3 (Ingredient) CULTIMED

Nutrient for fastidious microorganisms cultivation

NC: 3504 00 00

pH of 2% solution 6,5-7,5
Loss on drying at 105°C ..... 10 %
Residue on ignition (as SO_4) ..... 15 %
Total Nitrogen ..... ≥10 %

Order code	Package	Units/Box st.
403939.1210	500 g	6
403939.0914	5 kg	
403939.0416	25 kg	

Soy Peptone (Ingredient) CULTIMED

Nutritional ingredient for preparing culture media.

NC: 3504 00 00

SPECIFICATIONS:

pH of 2% solution 6,5-7,5
Loss on drying at 105°C ..... 8 %
Residue on ignition (as SO_4) ..... 15 %
Total Nitrogen ..... ≥7 %

Order code	Package	Units/Box st.
403684.1210	500 g	6
403684.0914	5 kg	
403684.0416	25 kg	

Tryptone (Ingredient) CULTIMED

Source of nitrogen for culture media

NC: 3504 00 00

pH of 2% solution 6,5-7,5
Loss on drying at 105°C ..... 10 %
Residue on ignition (as SO_4) ..... 15 %
Nitrogen, total ..... ≥5 %

Order code	Package	Units/Box st.
403682.1210	500 g	6
403682.0914	5 kg	
403682.0416	25 kg	

Tryptose (Ingredient) CULTIMED

Source of nitrogen for culture media

NC: 3504 00 00

SPECIFICATIONS:

pH of 2% solution 6,5-7,5
Loss on drying at 105°C ..... 6 %
Residue on ignition (as SO_4) ..... 15 %
Total Nitrogen ..... ≥10 %

Order code	Package	Units/Box st.
403903.1210	500 g	6
403903.0914	5 kg	
403903.0416	25 kg	

Yeast Extract (Ingredient) CULTIMED

Nutrient base in culture media

NC: 3504 00 00

SPECIFICATIONS:

pH of 2% solution 6,0-8
Loss on drying at 105°C ..... 10 %
Residue on ignition (as SO_4) ..... 16 %
Total Nitrogen ..... ≥10 %

Order code	Package	Units/Box st.
403687.1210	500 g	6
403687.0914	5 kg	
403687.0416	25 kg	

DEHYDRATED CULTURE MEDIA AND SUPPLEMENTS

(See also Prepared Media)

Acetamide Broth (UNE-EN 12780:2002) (Dehydrated Culture Media) CULTIMED

Culture media for the confirmation of Pseudomona aeruginosa according to UNE-EN 12780-2002

NC: 3821 00 00

HAZARDOUS:

Xn **R: 40 S: 36/37**

Composition (g/l):
Potassium di-Hydrogen Phosphate 1,0
Magnesium Sulphate....0,2
Acetamide 2,0
Sodium Chloride....0,2
pH: 7,0±0,5....

Order code	Package	Units/Box st.
416259.1210	500 g P	6

Amies Transport Medium without Charcoal (Dehydrated Culture Media) CULTIMED

Culture media for the transport of samples to prolong the survival of microorganisms.

NC: 3821 00 00

Composition (g/l):
Calcium Chloride....0,1
Magnesium Chloride 0,1
Potassium Chloride 0,2
Potassium di-Hydrogen Phosphate 0,2
Sodium Chloride....3,0
di-Sodium Hydrogen Phosphate....1,1
Sodium Thioglycollate 1,0
Agar....7,5
pH: 7,3±0,2

Order code	Package	Units/Box st.
413734.1210	500 g P	6
413734.0914	5 kg PP	

Anaerobic (MIC), Broth

(see Wilkins-Chalgren Broth)

Antibiotic Medium nº 1 (USP) (Dehydrated Culture Media) CULTIMED

Culture media for antibiotic assay testing.

NC: 3821 00 00

Composition (g/l):
Meat Extract 1,5
Yeast Extract 3,0
D(+)-Glucose 1,0
Casein Peptone....4,0
Gelatine Peptone....6,0
Agar....15,0
pH: 6,6±0,2

Order code	Package	Units/Box st.
413735.1210	500 g P	6
413735.0914	5 kg PP	

Antibiotic Medium nº 2 (USP) (Dehydrated Culture Media) CULTIMED

Culture media for use a base layer in antibiotic assay testing.

NC: 3821 00 00

Composition (g/l):
Meat Extract 1,5
Yeast Extract 3,0
Gelatine Peptone....6,0
Agar....15,0
pH: 6,6±0,2

Order code	Package	Units/Box st.
413736.1210	500 g P	6
413736.0914	5 kg PP	

Antibiotic Medium nº 3 (USP) (Dehydrated Culture Media) CULTIMED

Culture media for antibiotic assay testing. Used in the turbidimetric assay of penicillin and tetracycline.

NC: 3821 00 00

Composition (g/l):
Meat Extract 1,5
Yeast Extract 1,5
D(+)-Glucose 1,0
Gelatine Peptone....5,0
Potassium di-Hidrogen Phosphate 1,32
di-Potassium Hidrogen Phosphate 3,68
Sodium Chloride....3,5
pH: 7,0±0,2

Order code	Package	Units/Box st.
413737.1210	500 g P	6
413737.0914	5 kg PP	

Antibiotic Medium nº 5 (USP) (Dehydrated Culture Media) CULTIMED

Culture media for antibiotic assay testing. Used for the streptomycin assay.

NC: 3821 00 00

Composition (g/l):
Meat Extract 1,5
Yeast Extract 3,0
Gelatine Peptone....6,0
Agar....15,0
pH: 7,9±0,2

Order code	Package	Units/Box st.
413738.1210	500 g P	6
413738.0914	5 kg PP	

Antibiotic Medium nº 8 (Dehydrated Culture Media) CULTIMED

Culture media for antibiotic assay testing. Used in the assay of tetracycline, vancomycin, mitomycin and mithramycin.

NC: 3821 00 00

Composition (g/l):
Meat Extract 1,5
Yeast Extract 3,0
Gelatine Peptone....6,0
Agar....15,0
pH: 5,7±0,2

Order code	Package	Units/Box st.
413739.1210	500 g P	6
413739.0914	5 kg PP	

Antibiotic Medium nº 11 (Dehydrated Culture Media) CULTIMED

Culture media for antibiotic assay testing. Used in the assay of amoxicillin, ampicillin, erythromycin, gentamycin, among others.

NC: 3821 00 00

Composition (g/l):
Meat Extract 1,5
Yeast Extract 3,0
D(+)-Glucose 1,0
Casein Peptone....4,0
Gelatine Peptone....6,0
Agar....15,0
pH: 7,9±0,2

Order code	Package	Units/Box st.
413740.1210	500 g P	6
413740.0914	5 kg PP	

Bacillus Cereus according to Mossel Agar Base (Dehydrated Culture Media) CULTIMED

Selective medium for the isolation and enumeration of Bacillus cereus according Mossel

NC: 3821 00 00

Composition (g/l):
Phenol Red....0,025
D(-)-Mannitol 10,0
Meat Peptone....10,0
Meat Extract 1,0
Sodium Chloride....10,0
Agar....12,0
pH: 7,1±0,2

Order code	Package	Units/Box st.
416271.1210	500 g P	6

Bacillus Cereus Selective Agar Base (Dehydrated Culture Media) CULTIMED

Selective medium for the isolation and enumeration of Bacillus cereus.

NC: 3821 00 00

Composition (g/l):

Tartaric Acid....0,15
Bromothymol Blue....0,12
Magnesium Sulphate....0,1
D(-)-Mannitol....10,0
Casein Peptone....1,0
Potassium di-Hydrogen Phosphate....0,2
Sodium Chloride....2,0
di-Sodium Hydrogen Phosphate....2,5
Sodium Pyruvate....10,0
Agar....14,0

pH: 7,2±0,2

Order code	Package	Units/Box st.
414119.1210	500 g P	6
414119.0914	5 kg PP	

Baird-Parker Agar Base (Ph. Eur.) (Dehydrated Culture Media) CULTIMED

Culture media for the determination and the enumeration of Staphylococci.

NC: 3821 00 00

Composition (g/l):

Meat Extract....5,0
Yeast Extract....1,0
Glycine....12,0
Lithium Chloride....5,0
Casein Peptone....10,0
Sodium Pyruvate....10,0
Agar....20,0

pH: 6,8±0,2

Order code	Package	Units/Box st.
413744.1208	100 g P	6
413744.1210	500 g P	6
413744.0914	5 kg PP	

BCYE Supplement (Additive) CULTIMED

Aditive used for legionella detection

NC: 3821 00 00

Composition (per vial):

L-Cysteine....40 mg
Ferric Pyrophosphate....25 mg
ACES....1 g
Potassium Hydroxide....200 mg
α-Ketoglutarate....0,1 g

Order code	Package	Units/Box st.
416273.02132	10 vials	6

BiGGY, Agar

(see Nickerson Medium)

Bile Esculin Agar (Dehydrated Culture Media) CULTIMED

Culture media for isolation and presumptive identification of Enterococci.

NC: 3821 00 00

Composition (g/l):

Ox Bile....40,0
Esculin....1,0
Meat Extract....3,0
Iron(III) Citrate....0,5
Bacteriological Peptone....5,0
Agar....15,0

pH: 6,6±0,2

Order code	Package	Units/Box st.
413835.1210	500 g P	6
413835.0914	5 kg PP	

Bile Esculin Azide Agar (ISO 7899-2:2000) (Dehydrated Culture Media) CULTIMED

Culture media for presumptive identification of Enterococci acoording ISO 7899-2:2000

NC: 3821 00 00

HAZARDOUS:

Xn

R: 22-52/53 S: 45-61

Composition (g/l):

Ox Bile....10,0
Esculin....1,0
Sodium Azide....0,15
Yeast Extract....5,0
Iron(III) Citrate....0,5
Peptone....3,0
Sodium Chloride....5,0
Tryptone....17,0
Agar....15,0

pH: 7,1±0,2

Order code	Package	Units/Box st.
415523.1210	500 g P	6

Bile Tetrathionate-Brilliant Green Broth (Ph. Eur.) (Dehydrated Culture Media) CULTIMED

Culture media for the selective enrichment of Salmonella species.

NC: 3821 00 00

Composition (g/l):

Dried Ox Bile....8,0
Potassium Tetrathionate....20,0
Brilliant Green....0,07
Calcium Carbonate....20,0
Meat Peptone....8,6
Sodium Chloride....6,4

pH: 7,0±0,2

Order code	Package	Units/Box st.
414654.1208	100 g P	6
414654.1210	500 g P	6
414654.0914	5 kg PP	

Bismuth Sulphite Agar (Dehydrated Culture Media) CULTIMED

Media for the isolation and identification of Salmonella.

NC: 3821 00 00

Composition (g/l):

Bismuth-Sulphite Indicator....8,0
Meat Extract....5,0
D(+)-Glucose....5,0
Iron(II) Sulphate....0,3
Bacteriological Peptone....10,0
di-Sodium Hydrogen Phosphate....4,0
Brilliant Green....0,025
Agar....20,0

pH: 7,5±0,2

Order code	Package	Units/Box st.
413749.1210	500 g P	6
413749.0914	5 kg PP	

Blood Agar Base (Dehydrated Culture Media) CULTIMED

Media for the cultivation of a wide variety of microorganisms.

NC: 3821 00 00

Composition (g/l):

Heart Infusion (from 375 g)....10,0
Meat Peptone....10,0
Sodium Chloride....5,0
Agar....15,0

pH: 7,3±0,2

Order code	Package	Units/Box st.
413806.1210	500 g P	6
413806.0914	5 kg PP	

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Blood Azide Agar Base (Dehydrated Culture Media) CULTIMED

Media for the isolation of Streptococci and Staphylococci.

NC: 3821 00 00

HAZARDOUS:

Xn R: 22 S: 45

Composition (g/l):
Sodium Azide 0,2
Meat Extract 3,0
Peptones 10,0
Sodium Chloride....5,0
Agar 15,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
413741.1210	500 g P	6
413741.0914	5 kg PP	

Bordet Gengou Agar Base (Dehydrated Culture Media) CULTIMED

Media for the detection and isolation of Bordetella pertussis and Bordetella parapertussis.

NC: 3821 00 00

Composition (g/l):
Potato Infusion 4,5
Proteose Peptone....10,0
Sodium Chloride....5,5
Agar 16,0
pH: 6,7±0,2

Order code	Package	Units/Box st.
413750.1210	500 g P	6
413750.0914	5 kg PP	

Brain Heart Infusion (BHI) (Dehydrated Culture Media) CULTIMED

Culture media for fastidious microorganisms.

NC: 3821 00 00

Composition (g/l):
Calf Brain Infusion 7,5
Meat Heart Infusion 10,0
D(+)-Glucose 2,0
Gelatine Peptone....10,0
Sodium Chloride....5,0
di-Sodium Hydrogen Phosphate....2,5
pH: 7,4±0,2

Order code	Package	Units/Box st.
413777.1210	500 g P	6
413777.0914	5 kg PP	

Brain Heart Infusion Agar (BHI) (Dehydrated Culture Media) CULTIMED

Culture media for fastidious microorganisms.

NC: 3821 00 00

Composition (g/l):
Calf Brain Infusion 7,5
Meat Heart Infusion 10,0
D(+)-Glucose 2,0
Peptone Mixture 10,0
di-Potassium Hydrogen Phosphate 2,5
Sodium Chloride....5,0
Agar 15,0
pH: 7,4±0,2

Order code	Package	Units/Box st.
413772.1210	500 g P	6
413772.0914	5 kg PP	

Brilliant Green Agar (Ph. Eur.) (Dehydrated Culture Media) CULTIMED

Culture media for the isolation of Salmonella.

NC: 3821 00 00

Composition (g/l):
Brilliant Green....0,0125
Yeast Extract 3,0
Lactose....10,0
Peptones 10,0
Phenol Red....0,08
Saccharose....10,0
Sodium Chloride....5,0
Agar 20,0
pH: 6,9±0,2

Order code	Package	Units/Box st.
413823.1210	500 g P	6
413823.0914	5 kg PP	

Brilliant Green Bile Agar (Dehydrated Culture Media) CULTIMED

Culture media for the detection of coliform bacteria.

NC: 3821 00 00

Composition (g/l):
Ox Bile 0,00295
Brilliant Green....0,0000295
Erioglaucine....0,0649
Basic Fuchsin 0,0776
Iron(III) Chloride 0,0295
Lactose....1,9
Gelatine Peptone....8,25
Potassium di-Hydrogen Phosphate 0,0153
Sodium Sulphite 0,205
Agar 10,15
pH: 6,9±0,2

Order code	Package	Units/Box st.
413747.1210	500 g P	6
413747.0914	5 kg PP	

Brilliant Green Bile 2% Broth (Dehydrated Culture Media) CULTIMED

Culture media for the detection and enumeration of Coliforms.

NC: 3821 00 00

Composition (g/l):
Ox Bile, Dehydrated 20,0
Brilliant Green....0,0133
Lactose....10,0
Gelatine Peptone....10,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
413748.1208	100 g P	6
413748.1210	500 g P	6
413748.0914	5 kg PP	

Brucella Agar Base (Dehydrated Culture Media) CULTIMED

Media for the cultivation of Brucella species and other fastidious microorganisms.

NC: 3821 00 00

Composition (g/l):
Yeast Extract 2,0
D(+)-Glucose 1,0
Meat Peptone....10,0
Casein Peptone....10,0
Sodium Chloride....5,0
Sodium Hydrogen Sulphite 0,1
Agar 15,0
pH: 7,0±0,2

Order code	Package	Units/Box st.
413837.1210	500 g P	6
413837.0914	5 kg PP	

Buffered Peptone Water (ISO 6579:2002) (Dehydrated Culture Media) CULTIMED

Diluent agent to homogenize samples in foodstuffs.

NC: 3821 00 00

Composition (g/l):
Casein Peptone....10,0
Potassium di-Hydrogen Phosphate 1,5
Sodium Chloride....5,0
di-Sodium Hydrogen Phosphate....3,5[1]
pH: 7,0±0,2
[1]is equivalent to di-Sodium Hydrogen Phosphate 12-hydrate....9,0

Order code	Package	Units/Box st.
413795.1210	500 g P	6
413795.0914	5 kg PP	

Buffered Sodium Chloride-Peptone solution (BP, Ph. Eur.) (Dehydrated Culture Media) CULTIMED

Diluent agent for the homogenization of samples.

NC: 3504 00 00

Composition (g/l):
Casein Peptone....1,00
Potassium di-Hydrogen Phosphate 3,56
Sodium Chloride....4,30
di-Sodium Hydrogen Phosphate....7,23
pH: 7,0±0,2

Order code	Package	Units/Box st.
414944.1210	500 g P	6
414944.0914	5 kg PP	

Calcium Caseinate Agar (Dehydrated Culture Media) CULTIMED

Culture media for the count and research of proteolytic microorganisms.

NC: 3821 00 00

Composition (g/l):

Calcium Chloride 0,05
Calcium Hydroxide 0,15
Casein (Hammarsten) 2,5
Meat Extract 3,0
Meat Peptone 5,0
Sodium Chloride 5,0
Agar 13,5

pH: 7,2±0,2

Order code	Package	Units/Box st.
413830.1210	500 g P	6
413830.0914	5 kg PP	

Cary-Blair Transport Medium (Dehydrated Culture Media) CULTIMED

Culture media for the transport of samples to prolong the survival of microorganisms.

NC: 3821 00 00

Composition (g/l):

Calcium Chloride 0,09
Sodium Chloride 5,0
di-Sodium Hydrogen Phosphate 1,1
Sodium Thioglycollate 1,5
Agar 5,5

pH: 8,4±0,2

Order code	Package	Units/Box st.
413778.1210	500 g P	6
413778.0914	5 kg PP	

Cetrimide Agar (Ph. Eur.) (Dehydrated Culture Media) CULTIMED

Culture media for the enumeration of Pseudomonas aeruginosa

NC: 3821 00 00

Composition (g/l):

Cetrimide 0,3
Magnesium Chloride 1,4
Gelatine Peptone 20,0
Potassium Sulphate 10,0
Agar 13,6

pH: 7,2±0,2

Order code	Package	Units/Box st.
416256.1208	100 g P	6
416256.1210	500 g P	6
416256.0914	5 kg PP	

Chapman-Stone Agar (Dehydrated Culture Media) CULTIMED

Culture media for isolation of Staphylococci.

NC: 3821 00 00

Composition (g/l):

Ammonium Sulphate 75,0
Yeast Extract 2,0
Gelatine 30,0
D(-)-Mannitol 10,0
Casein Peptone 10,0
di-Potassium Hydrogen Phosphate 5,0
Sodium Chloride 55,0
Agar 15,0

pH: 7,0±0,2

Order code	Package	Units/Box st.
413831.1210	500 g P	6
413831.0914	5 kg PP	

Chapman TTC (Tergitol 7) Agar (ISO 9308-1:2000) (Dehydrated Culture Media) CULTIMED

Culture media for the detection and enumeration of Coliforms.

NC: 3821 00 00

Composition (g/l):

Bromothymol Blue 0,05
Meat Extract 5,0
Yeast Extract 6,0
Lactose 20,0
Meat Peptone 10,0
Sodium Heptadecyl Sulphate 0,1
Agar 15,0

pH: 7,2±0,2

Order code	Package	Units/Box st.
414955.1208	100 g P	6
414955.1210	500 g P	6
414955.0914	5 kg PP	

Chapman USP Medium

(see Mannitol Salt Agar)

Chromogenic E. coli Agar (Dehydrated Culture Media) CULTIMED

Culture media for the simultaneous detection of total Coliform and E. Coli

NC: 3821 00 00

Composition (g/l):

Chromogenic mixture 0,36
Bacteriological Peptone 3,0
Sodium Chloride 5,0
Sodium Pyruvate 1,0
Sorbitol 1,0
Phosphate Buffer 4,9
Tergitol-7 0,1
Tryptophan 1,0
Agar 10,0

pH: 6,8±0,2

Order code	Package	Units/Box st.
416109.12135	105 g P	6
416109.12133	525 g P	6

Chromogenic Salmonella Agar (Dehydrated Culture Media) CULTIMED

Culture media for isolation of Salmonella

NC: 3821 00 00

Composition (g/l):

Chromogenic mixture 5,81
Meat Extract 5,00
Casein Peptone 5,0
Sodium Citrate 8,50
Agar 12,80

pH: 7,2±0,2

Order code	Package	Units/Box st.
416110.12136	115 g P	6
416110.12134	575 g P	6

CLED Medium (Dehydrated Culture Media) CULTIMED

Culture media for the enumeration and presumptive identification of microorganisms from urine.

NC: 3821 00 00

Composition (g/l):

Bromothymol Blue 0,02
L-Cystine 0,128
Meat Extract 3,0
Lactose 10,0
Casein Peptone 4,0
Gelatine Peptone 4,0
Agar 15,0

pH: 7,3±0,2

Order code	Package	Units/Box st.
413753.1210	500 g P	6
413753.0914	5 kg PP	

Clostridium perfringens m-CP Agar Base (Dehydrated Culture Media) CULTIMED

Culture media for the enumeration of C. perfringens (spores included) from surface and drinking water

NC: 3821 00 00

Composition (g/l):

L-Cysteine mono-Hydrochloride 1-hydrate 1,0
Yeast Extract 20,0
Magnesium Sulphate 7-hydrate 0,1
Bromocresol Purple 0,04
Saccharose 5,0
Tryptose 30,0
Agar 15,0

pH: 7,6±0,2

Order code	Package	Units/Box st.
415463.1210	500 g P	6

Columbia Agar Base (Ph. Eur.) (Dehydrated Culture Media) CULTIMED

Media for the cultivation of fastidious microorganisms.

NC: 3821 00 00

Composition (g/l):

Cornstarch 1,0
Yeast Extract 5,0
Casein Peptone 10,0
Meat Peptone 5,0
Heart Muscle Peptone 3,0
Sodium Chloride 5,0
Agar 13,5

pH: 7,3±0,2

Order code	Package	Units/Box st.
413751.1210	500 g P	6
413751.0914	5 kg PP	

CTA Medium (Dehydrated Culture Media) CULTIMED

Culture media used for the preservation of strains.

NC: 3821 00 00

Composition (g/l):

L-Cystine 0,5
Yeast Extract 0,2
Casein Peptone 20,0
Phenol Red 0,017
Sodium Chloride 5,0
Sodium Sulphite 0,5
Agar 2,5

pH: 7,3±0,2

Order code	Package	Units/Box st.
414709.1210	500 g P	6
414709.0914	5 kg PP	

Czapek Dox Agar (modified) (Dehydrated Culture Media) CULTIMED

Media for the cultivation of fungal species.

NC: 3821 00 00

Composition (g/l):

Iron(II) Sulphate 0,01
Magnesium Glycerophosphate 0,5
Potassium Chloride 0,5
Potassium Sulphate 0,35
Saccharose 30,0
Sodium Nitrate 2,0
Agar 12,0

pH: 6,8±0,2

Order code	Package	Units/Box st.
413838.1210	500 g P	6
413838.0914	5 kg PP	

Dermasel Agar (Mycobiotic Agar) (Dehydrated Culture Media) CULTIMED

Culture media for the isolation of pathogenic fungi, especially dermatophytes.

NC: 3821 00 00

HAZARDOUS:

Xn **R: 22 S: 45**

Composition (g/l):

Cycloheximide 0,4
Chloramphenicol 0,05
D(+)-Glucose 10,0
Soy Peptone 10,0
Agar 15,5

pH: 6,9±0,2

Order code	Package	Units/Box st.
413846.1210	500 g P	6
413846.0914	5 kg PP	

Desoxycholate Agar (Dehydrated Culture Media) CULTIMED

Culture media for the isolation and enumeration of Gram-negative enteric microorganisms.

NC: 3821 00 00

Composition (g/l):

Sodium Desoxycholate 1,0
Iron(III) Citrate 1,0
Lactose 10,0
Peptones 10,0
di-Potassium Hydrogen Phosphate 2,0
Neutral Red 0,033
tri-Sodium Citrate 1,0
Sodium Chloride 5,0
Agar 16,0

pH: 7,3±0,2

Order code	Package	Units/Box st.
413754.1210	500 g P	6
413754.0914	5 kg PP	

Desoxycholate Citrate Agar (Ph. Eur.) (Dehydrated Culture Media) CULTIMED

Culture media for the selective isolation of Salmonella and Shigella species.

NC: 3821 00 00

Composition (g/l):

Sodium Desoxycholate 5,0
Ammonium Iron(III) Citrate 1,0
tri-Sodium Citrate 20,0
Meat Extract 10,0
Lactose 10,0
Meat Peptone 10,0
Neutral Red 0,02
Agar 13,5

pH: 7,3±0,2

Order code	Package	Units/Box st.
413755.1210	500 g P	6
413755.0914	5 kg PP	

Desoxycholate Citrate Lactose Agar (Dehydrated Culture Media) CULTIMED

Culture media for the selective isolation of Salmonella and Shigella species.

NC: 3821 00 00

Composition (g/l):

Sodium Desoxycholate 0,5
tri-Sodium Citrate 2,0
Lactose 10,0
Peptone 10,0
Neutral Red 0,03
Sodium Chloride 5,0
Agar 15,0

pH: 7,1±0,2

Order code	Package	Units/Box st.
413756.1210	500 g P	6
413756.0914	5 kg PP	

Desoxycholate Lactose Saccharose Agar (Dehydrated Culture Media) CULTIMED

Selective media for the isolation of Gram-negative enteric bacilli.

NC: 3821 00 00

Composition (g/l):

Sodium Desoxycholate 2,5
Lactose 5,0
Saccharose 5,0
Meat Extract 3,0
Proteose Peptone 7,0
Neutral Red 0,03
tri-Sodium Citrate 10,0
Sodium Thiosulphate 5,0
Agar 12,0

pH: 7,2±0,2

Order code	Package	Units/Box st.
413757.1210	500 g P	6
413757.0914	5 kg PP	

DNase Agar (Dehydrated Culture Media) CULTIMED

Culture media for the differentiation of Staphylococcus species and Serratia marcescens, based on their production of deoxyribonuclease.

NC: 3821 00 00

Composition (g/l):

Deoxyribonucleic Acid 2,0
Casein Peptone 15,0
Soymeal Peptone 5,0
Sodium Chloride 5,0
Agar 15,0

pH: 7,3±0,2

Order code	Package	Units/Box st.
413759.1210	500 g P	6
413759.0914	5 kg PP	

EC Medium (Dehydrated Culture Media) CULTIMED

Culture media for the cultivation of Coliform bacterias.

NC: 3821 00 00

Composition (g/l):

Tryptose 20,0
Lactose 5,0
Potassium di-Hydrogen Phosphate 1,5
di-Potassium Hydrogen Phosphate 4,0
Bile Salts n° 3 1,9
Sodium Chloride 5,0

pH: 6,9±0,2

Order code	Package	Units/Box st.
413761.1210	500 g P	6
413761.0914	5 kg PP	

EE Broth (Ph. Eur.) (Dehydrated Culture Media) CULTIMED

Culture media used for the enrichment of Enterobacteria.

NC: 3821 00 00

Composition (g/l):
Ox bile 20,0
D(+)-Glucose 5,0
Gelatine Peptone....10,0
Potassium di-Hydrogen Phosphate 2,0
di-Sodium Hydrogen Phosphate....8,0
Brilliant Green....0,015
pH: 7,2±0,2

Order code	Package	Units/Box st.
413829.1210	500 g	6
413829.0914	5 kg	

Egg Yolk Emulsion (Additive) CULTIMED

Additive for culture media for detection of lecitinase activity.

NC: 3821 00 00

Order code	Package	Units/Box st.
414722.1607	50 ml	6
414722.1608	100 ml	6

Egg Yolk Tellurite Emulsion (Additive) CULTIMED

Additive for culture media for detection of lecitinase activity.

NC: 3821 00 00

Order code	Package	Units/Box st.
414723.1607	50 ml	6
414723.1608	100 ml	6

EMB Levine Agar

(see Eosin Methylene Blue Agar acc. to Levine (EMB Levine))

Endo Agar Base (Dehydrated Culture Media) CULTIMED

Culture media for enumeration of Coliform in water.

NC: 3821 00 00

Composition (g/l):
Lactose....10,0
Peptone....10,0
di-Potassium Phosphate....3,5
Sodium Sulphite....2,5
Agar....10,0
pH: 7,5±0,2

Order code	Package	Units/Box st.
413760.1210	500 g	6
413760.0914	5 kg	

Eosin Methylene Blue Agar (EMB) (Dehydrated Culture Media) CULTIMED

Culture media for the isolation of Gram-negative enteric bacteria.

NC: 3821 00 00

Composition (g/l):
Eosin Yellowish....0,4
Methylene Blue....0,065
Lactose....5,0
Bacteriological Peptone 10,0
di-Potassium Hydrogen Phosphate 2,0
Saccharose....5,0
Agar....13,5
pH: 7,2±0,2

Order code	Package	Units/Box st.
413762.1210	500 g	6
413762.0914	5 kg	

Eosin Methylene Blue Agar acc. to Levine (EMB Levine) (Dehydrated Culture Media) CULTIMED

Culture media for the detection of Coliform microorganisms.

NC: 3821 00 00

Composition (g/l):
Eosin....0,4
Methylene Blue....0,065
Lactose....10,0
Gelatine Peptone....10,0
di-Potassium Hydrogen Phosphate 2,0
Agar....15,0
pH: 7,1±0,2

Order code	Package	Units/Box st.
413763.1208	100 g	6
413763.1210	500 g	6
413763.0914	5 kg	

EVA Broth (Ethyl Violet Azide) (Dehydrated Culture Media) CULTIMED

Media for the enrichment and cultivation of Enterococci.

NC: 3821 00 00

HAZARDOUS:

Xn **R: 22-52 S: 45**

Composition (g/l):
Sodium Azide 0,4
Ethyl Violet....0,0008
D(+)-Glucose 5,0
Peptones mixture 20,0
Potassium di-Hydrogen Phosphate 2,7
di-Potassium Hydrogen Phosphate 2,7
Sodium Chloride....5,0
pH: 7,0±0,2

Order code	Package	Units/Box st.
413743.1210	500 g	6
413743.0914	5 kg	

FC Broth Base M (Dehydrated Culture Media) CULTIMED

Media used for the enumeration of faecal Coliform from waters using the membrane filtration method

NC: 3821 00 00

Composition (g/l):
Aniline Blue....0,1
Yeast Extract 3,0
Lactose....12,5
Proteose Peptone n° 3 5,0
Bile Salt n° 3 1,5
Sodium Chloride....5,0
Tryptose....10,0
pH: 7,4±0,2

Order code	Package	Units/Box st.
414270.1210	500 g	6
414270.0914	5 kg	

FDA M145

(see Tetrathionate Broth Base)

FDA M169

(see TSC Agar Base)

Fraser Listeria Broth Base (ISO 11290-1:1996) (Dehydrated Culture Media) CULTIMED

Enrichment medium for detection and enumeration of Listeria monocytogenes

NC: 3821 00 00

Composition (g/l):
Esculin 1,0
Yeast Extrat 5,0
Meat Extract 5,0
Lithium Chloride 3,0
Potassium di-Hydrogen Phosphate 1,35
Proteose Peptone....5,0
Sodium Chloride....20,0
di-Sodium Phosphate....12,0
Tryptone....5,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
416112.1210	500 g	6

Fraser Listeria Selective Enrichment Supplement (Additive) CULTIMED

Additive used for Listeria monocytogenes enrichment

NC: 3821 00 00

HAZARDOUS:

Xn **R: 22-41-52/53 S: 26-39**

Composition (mg/1 vial):
Ammonium Iron(III) Citrate....250,0
Composition (mg/2 vial):
Nalidixic Acid....10,0
Acryflavine 12,5

Order code	Package	Units/Box st.
416113.02131	2 x 5 vials	6

Fraser 1/2 Listeria Selective Enrichment Supplement (Additive) CULTIMED

Additive used for Listeria monocytogenes enrichment

NC: 3821 00 00

HAZARDOUS:

Xn R: 22-41-52/53 S: 26-39

Composition (mg/1 vial):
Ammonium Iron(III) Citrate....250,0
Composition (mg/2 vial):
Nalidixic Acid....5,0
Acryflavine....6,25

Order code	Package	Units/Box st.
416114.02131	2 x 5 vials	6

GC Agar Base (Dehydrated Culture Media) CULTIMED

Media for the cultivation and isolation of Neisseria.

NC: 3821 00 00

Composition (g/l):
Cornstarch....1,0
Peptone Mixture....15,0
Potassium di-Hydrogen Phosphate....1,0
di-Potassium Hydrogen Phosphate....4,0
Sodium Chloride....5,0
Agar....10,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
413767.1210	500 g	6
413767.0914	5 kg	

Giolitti-Cantoni Broth (Dehydrated Culture Media) CULTIMED

Culture media for the detection of Staphylococcus aureus.

NC: 3821 00 00

Composition (g/l):
Meat Extract....5,0
Yeast Extract....5,0
Glycine....1,2
Lithium Chloride....5,0
D(-)-Mannitol....20,0
Sodium Chloride....5,0
Sodium Pyruvate....3,0
Tryptone....10,0
pH: 6,9±0,2

Order code	Package	Units/Box st.
413765.1210	500 g	6
413765.0914	5 kg	

Glucose Agar (Dehydrated Culture Media) CULTIMED

Media for the cultivation of a wide variety of microorganisms.

NC: 3821 00 00

Composition (g/l):
D(+)-Glucose....10,0
Meat Extract....3,0
Peptone Mixture....10,0
Sodium Chloride....5,0
Agar....15,0
pH: 6,9±0,2

Order code	Package	Units/Box st.
413840.1210	500 g	6
413840.0914	5 kg	

Glucose Broth (Dehydrated Culture Media) CULTIMED

Culture media used for the study of glucose fermentation.

NC: 3821 00 00

Composition (g/l):
D(+)-Glucose....5,0
Casein Peptone....10,0
Sodium Chloride....5,0
pH: 7,3±0,2

Order code	Package	Units/Box st.
413847.1210	500 g	6
413847.0914	5 kg	

Glucose Chloramphenicol Agar (Dehydrated Culture Media) CULTIMED

Culture media for the count and the isolation of Fungi.

NC: 3821 00 00

Composition (g/l):
D(+)-Glucose....20,0
Chloramphenicol....0,20
Yeast Extract....5,0
Agar....15,0
pH: 6,6±0,2

Order code	Package	Units/Box st.
414956.1210	500 g	6
414956.0914	5 kg	

Glucose Chloramphenicol Broth (Dehydrated Culture Media) CULTIMED

Culture media for NMP count of Fungi.

NC: 3821 00 00

Composition (g/l):
D(+)-Glucose....20,0
Chloramphenicol....0,20
Yeast Extract....5,0
pH: 6,6±0,2

Order code	Package	Units/Box st.
414957.1210	500 g	6
414957.0914	5 kg	

G.N. Broth (Dehydrated Culture Media) CULTIMED

Media for the enrichment of Enterobacteriaceae.

NC: 3821 00 00

Composition (g/l):
D(+)-Glucose....1,0
D(-)-Mannitol....2,0
di-Potassium Hydrogen Phosphate....4,0
Potassium di-Hydrogen Phosphate....1,5
tri-Sodium Citrate....5,0
Sodium Chloride....5,0
Sodium Desoxycholate....0,5
Tryptose....20,0
pH: 7,0±0,2

Order code	Package	Units/Box st.
414656.1210	500 g	6
414656.0914	5 kg	

GVPC Supplement (Additive) CULTIMED

Aditive used for legionella detection

NC: 3821 00 00

Composition (per vial):
Polymyxin....39600 IU
Glycine....1,5 g
Cycloheximide....40 mg
Vancomycin....0,5 mg

Order code	Package	Units/Box st.
416274.02132	10 vials	6

Hektoen Enteric Agar (Dehydrated Culture Media) CULTIMED

Culture media for the isolation and differentiation of Salmonella and Shigella.

NC: 3821 00 00

Composition (g/l):
Ammonium Iron(III) Citrate....1,5
Bromothymol Blue....0,065
Yeast Extract....3,0
Fuchsin Acid....0,1
Lactose....12,0
Meat Peptone....12,0
Saccharose....12,0
Bile Salts....9,0
D(-)-Salicin....2,0
Sodium Chloride....5,0
Sodium Thiosulphate....5,0
Agar....14,0
pH: 7,5±0,2

Order code	Package	Units/Box st.
413768.1208	100 g	6
413768.1210	500 g	6
413768.0914	5 kg	

DC

Diagnóstico clínico
Products for Histology and Haematology
Produits pour Histologie et hématologie

Kanamycin Esculin Azide Agar (CeNAN) (Dehydrated Culture Media) CULTIMED

Media for the enumeration and confirmation of Enterococci.

NC: 3821 00 00

HAZARDOUS:

Xn **R: 22-52 S: 45**

Composition (g/l):
Kanamycin Sulphate 0,02
Esculin 1,0
Sodium Azide 0,15
Ammonium Iron(III) Citrate....0,5
Yeast Extract 5,0
Sodium Chloride....5,0
di-Sodium Hydrogen Citrate 1,0
Tryptone....20,0
Agar 15,0
pH: 7,0±0,2

Order code	Package	Units/Box st.
414676.1210	500 g P	6
414676.0914	5 kg PP	

Kanamycin Esculin Azide Broth (CeNAN) (Dehydrated Culture Media) CULTIMED

Media for cultivation of Enterococci.

NC: 3821 00 00

HAZARDOUS:

Xn **R: 22-52 S: 45**

Composition (g/l):
Kanamycin Sulphate 0,02
Esculin 1,0
Sodium Azide 0,15
Ammonium Iron(III) Citrate....0,5
Yeast Extract 5,0
Sodium Chloride....5,0
di-Sodium Hydrogen Citrate 1,0
Tryptone....20,0
pH: 7,0±0,2

Order code	Package	Units/Box st.
414695.1210	500 g P	6
414695.0914	5 kg PP	

KF Streptococcus Agar (Dehydrated Culture Media) CULTIMED

Culture media for the isolation of enterococci in water.

NC: 3821 00 00

HAZARDOUS:

Xn **R: 22 S: 45**

Composition (g/l):
Yeast Extract 10,0
Lactose....1,0
Maltose....20,0
Peptones mixture 10,0
Sodium Azide 0,4
Sodium Chloride....5,0
Sodium Glycerophosphate....10,0
Agar 20,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
413773.1210	500 g P	6
413773.0914	5 kg PP	

King A Medium (Dehydrated Culture Media) CULTIMED

Medium for the differentiation of Pseudomonas based in the production of Pyocyanine.

NC: 3821 00 00

Composition (g/l):
Magnesium Chloride 1,4
Gelatine Peptone....20,0
Potassium Sulphate 10,0
Agar 13,6
pH: 7,0±0,2

Order code	Package	Units/Box st.
413774.1210	500 g P	6
413774.0914	5 kg PP	

King B Medium (Dehydrated Culture Media) CULTIMED

Medium for the differentiation of Pseudomonas based in the production of Fluorescein.

NC: 3821 00 00

Composition (g/l):
Magnesium Sulphate....1,5
Polipeptone 20,0
di-Potassium Hydrogen Phosphate 1,5
Agar 15
pH: 7,0±0,2

Order code	Package	Units/Box st.
413775.1208	100 g P	6
413775.1210	500 g P	6
413775.0914	5 kg PP	

King B Medium (UNE-EN 12780:2002) (Dehydrated Culture Media) CULTIMED

Medium for the differentiation of Pseudomonas aeruginosa according UNE-EN 12780:2002

NC: 3821 00 00

Composition (g/l):
Magnesium Sulphate....1,5
Peptone 20,0
Potassium Hydrogen Phosphate....1,5
Agar 15,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
416260.1210	500 g P	6

Kligler Agar

(see Kligler Iron Agar)

Kligler Iron Agar (Dehydrated Culture Media) CULTIMED

Media for the identification of Gram-negative enteric bacilli.

NC: 3821 00 00

Composition (g/l):
Ammonium Iron(III) Citrate....0,5
D(+)-Glucose 1,0
Lactose....10,0
Peptone Mixture 20,0
Phenol Red 0,025
Sodium Chloride....5,0
Sodium Thiosulphate....0,5
Agar 15,0
pH: 7,4±0,2

Order code	Package	Units/Box st.
413769.1210	500 g P	6
413769.0914	5 kg PP	

Koser Citrate Medium (Dehydrated Culture Media) CULTIMED

Culture media for the differentiation of Coliforms based on Citrate utilization.

NC: 3821 00 00

Composition (g/l):
Sodium Citrate 3,0
Ammonium Sodium Phosphate 1,5
Magnesium Sulphate....0,2
Potassium di-Hydrogen Phosphate 1,0
pH: 6,7±0,2

Order code	Package	Units/Box st.
414692.1210	500 g P	6
414692.0914	5 kg PP	

Lactosed Broth (Ph. Eur.) (Dehydrated Culture Media) CULTIMED

Medium for the detection of Coliforms, specially E. coli.

NC: 3821 00 00

Composition (g/l):
Lactose....5,0
Meat Extract 3,0
Gelatine Peptone....5,0
pH: 6,9±0,2

Order code	Package	Units/Box st.
413776.1210	500 g P	6
413776.0914	5 kg PP	

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Detergentes de laboratorio
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Détergents de laboratoire

Lactose Sulphite Broth Base (Ph. Eur.) (Dehydrated Culture Media) CULTIMED

Medium used as a presumptive test for Clostridium according to Ph. Eur.

NC: 3821 00 00

Composition (g/l):

Lactose....10,0
Casein Peptone....5,0
Yeast Extract....2,5
Sodium Chloride....2,5
L-Cystein....0,3

pH: 7,1±0,2

Order code	Package	Units/Box st.
416254.1210	500 g P	6

Lauryl Sulphate Broth

(see Lauryl Tryptose Broth)

Lauryl Tryptose Broth (Dehydrated Culture Media) CULTIMED

Culture media for detection of Coliforms.

NC: 3821 00 00

Composition (g/l):

Sodium Dodecyl Sulphate....0,10
Tryptose....20,0
Lactose....5,0
Potassium di-Hydrogen Phosphate....2,75
di-Potassium Hydrogen Phosphate....2,75
Sodium Chloride....5,0

pH: 6,8±0,2

Order code	Package	Units/Box st.
413827.1210	500 g P	6
413827.0914	5 kg PP	

Legionella Agar (BCYE-Cys)

(see Prepared Media: BCYE without Cysteine Agar)

Legionella Agar (BCYEx)

(see Prepared Media: BCYEx Agar)

Legionella CYE Agar Base (Dehydrated Culture Media) CULTIMED

Selective medium for the enumeration and isolation of Legionella

NC: 3821 00 00

Composition (g/l):

Yeast Extract....10,0
Charcoal Activated....2,0
Agar....13,0

pH: 6,9±0,2

Order code	Package	Units/Box st.
416277.1210	500 g P	6

Listeria Medium

(see Fraser, Oxford, PALCAM)

Luria Broth Base (Dehydrated Culture Media) CULTIMED

Culture media for the development of Escherichia coli.

NC: 3821 00 00

Composition (g/l):

Casein Peptone....10,0
Yeast Extract....5,0
Sodium Chloride....10,0

pH: 7,0±0,2

Order code	Package	Units/Box st.
414753.1210	500 g P	6
414753.0914	5 kg PP	

Lysine Decarboxylase Broth (Dehydrated Culture Media) CULTIMED

Culture media for the differentiation of Salmonella, based on their ability to decarboxylate L-Lysine.

NC: 3821 00 00

Composition (g/l):

L-Lysine....5,0
Yeast Extract....3,0
D(+)-Glucose....1,0
Gelatine Peptone....5,0
Bromocresol Purple....0,02

pH: 6,8±0,2

Order code	Package	Units/Box st.
413828.1210	500 g P	6
413828.0914	5 kg PP	

Lysine Iron Agar (Dehydrated Culture Media) CULTIMED

Media for the differentiation of Salmonella and Arizona.

NC: 3821 00 00

Composition (g/l):

Ammonium Iron(III) Citrate....0,5
L-Lysine....10,0
Yeast Extract....3,0
D(+)-Glucose....1,0
Gelatine Peptone....5,0
Bromocresol Purple....0,02
Sodium Thiosulphate....0,04
Agar....13,5

pH: 6,7±0,2

Order code	Package	Units/Box st.
413770.1210	500 g P	6
413770.0914	5 kg PP	

MacConkey Agar (Ph. Eur.) (Dehydrated Culture Media) CULTIMED

Culture media for Coliforms.

NC: 3821 00 00

Composition (g/l):

Lactose....10,0
Peptone....3,0
Bile Salts....1,5
Gelatine Peptone....17,0
Neutral Red....0,03
Sodium Chloride....5,0
Crystal Violet....0,001
Agar....13,5

pH: 7,1±0,2

Order code	Package	Units/Box st.
413779.1208	100 g P	6
413779.1210	500 g P	6
413779.0914	5 kg PP	

MacConkey Agar nº 2 (Dehydrated Culture Media) CULTIMED

Culture media for the study of Enterococci in the presence of Coliforms.

NC: 3821 00 00

Composition (g/l):

Lactose....10,0
Peptone....20,0
Neutral Red....0,05
Bile Salts n° 2....1,5
Sodium Chloride....5,0
Crystal Violet....0,001
Agar....13,5

pH: 7,2±0,2

Order code	Package	Units/Box st.
413845.1210	500 g P	6
413845.0914	5 kg PP	

MacConkey Sorbitol Agar (Dehydrated Culture Media) CULTIMED

Selective culture media used in the E. coli investigation

NC: 3821 00 00

Composition (g/l):

D-Sorbitol....10,0
Bile Salts....1,5
Gelatine Peptone....20,0
Neutral Red....0,03
Sodium Chloride....5,0
Crystal Violet....0,001
Agar....15,0

pH: 7,1±0,2

Order code	Package	Units/Box st.
415641.1210	500 g P	6

MacConkey Agar without Crystal Violet (Dehydrated Culture Media) CULTIMED

Culture media for the detection of Enterobacteriaceae and Enterococci.

NC: 3821 00 00

Composition (g/l):

Lactose....10,0
Gelatine Peptone....17,0
Poly-Peptone....3,0
Neutral Red....0,03
Bile Salts....5,0
Sodium Chloride....5,0
Agar....12,0

pH: 7,4±0,2

Order code	Package	Units/Box st.
414679.1210	500 g P	6

MacConkey Broth (Ph. Eur.) (Dehydrated Culture Media) CULTIMED

Culture media for Coliforms.

NC: 3821 00 00

Composition (g/l):

Ox Bile 5,0
Lactose 10,0
Gelatin Peptone 20,0
Bromocresol Purple 0,01

pH: 7,3±0,2

Order code	Package	Units/Box st.
413780.1210	500 g P	6
413780.0914	5 kg PP	

Malt Extract Agar (Dehydrated Culture Media) CULTIMED

Culture media for the isolation and enumeration of yeast and fungi.

NC: 3821 00 00

Composition (g/l):

Malt Extract 12,75
Dextrine 2,75
Glycerol 2,35
Gelatine Peptone 0,78
Agar 15,0

pH: 4,7±0,2

Order code	Package	Units/Box st.
413781.1210	500 g P	6
413781.0914	5 kg PP	

Malt Extract Broth (Dehydrated Culture Media) CULTIMED

Culture media for the isolation and enumeration of yeast and fungi.

NC: 3821 00 00

Composition (g/l):

Malt Extract 6,0
Yeast Extract 1,2
D(+)-Glucose 6,0
Maltose 6,0

pH: 4,7±0,2

Order code	Package	Units/Box st.
413832.1210	500 g P	6
413832.0914	5 kg PP	

Mannitol Motility Medium (Dehydrated Culture Media) CULTIMED

Culture media for differentiation of Enterobacteriaceae.

NC: 3821 00 00

Composition (g/l):

D(-)-Mannitol 7,5
Caseine Peptone 10,0
Potassium Nitrate 1,0
Phenol Red 0,04
Agar 3,5

pH: 7,6±0,2

Order code	Package	Units/Box st.
413782.1210	500 g P	6
413782.0914	5 kg PP	

Mannitol Salt Agar (Dehydrated Culture Media) CULTIMED

Media for cultivation and enumeration of Staphylococci.

NC: 3821 00 00

Composition (g/l):

Sodium Chloride 75,0
D(-)-Mannitol 10,0
Meat Extract 1,0
Peptones mixture 10,0
Phenol Red 0,025
Agar 15,0

pH: 7,4±0,2

Order code	Package	Units/Box st.
413783.1210	500 g P	6
413783.0914	5 kg PP	

Mannitol-Salt-Phenol Red Agar

(see Mannitol Salt Agar)

Marine Agar (Dehydrated Culture Media) CULTIMED

Media for the cultivation of heterotrophic marine bacteria.

NC: 3821 00 00

Composition (g/l):

Boric Acid 0,022
Ammonium Nitrate 0,0016
Calcium Chloride 1,8
Strontium Chloride 0,034
Yeast Extract 1,0
Iron Citrate 0,1
Magnesium Chloride 8,8
Peptone 5,0
Potassium Bromide 0,08
Potassium Chloride 0,55
Sodium Chloride 19,4
Sodium Fluoride 0,0024
Sodium Hydrogen Carbonate 0,16
di-Sodium Hydrogen Phosphate 0,008
Sodium Silicate 0,004
Sodium Sulphate 3,24
Agar 15,0

pH: 7,6±0,2

Order code	Package	Units/Box st.
414680.1210	500 g P	6
414680.0914	5 kg PP	

Marine Broth (Dehydrated Culture Media) CULTIMED

Media for the cultivation of heterotrophic marine bacteria.

NC: 3821 00 00

Composition (g/l):

Boric Acid 0,022
Ammonium Nitrate 0,0016
Calcium Chloride 1,8
Strontium Chloride 0,034
Yeast Extract 1,0
Iron Citrate 0,1
Magnesium Chloride 8,8
Peptone 5,0
Potassium Bromide 0,08
Potassium Chloride 0,55
Sodium Chloride 19,4
Sodium Fluoride 0,0024
Sodium Hydrogen Carbonate 0,16
di-Sodium Hydrogen Phosphate 0,008
Sodium Silicate 0,004
Sodium Sulphate 3,24

pH: 7,6±0,2

Order code	Package	Units/Box st.
414698.1210	500 g P	6
414698.0914	5 kg PP	

Medium A

(see Tryptone Soy Broth (TSB))

Medium B

(see Tryptone Soy Agar (TSA))

Medium C

(see Sabouraud Glucose Agar + Chloramphenicol)

Medium D

(see Lactosed Broth)

Medium E

(see EE Broth)

Medium F

(see Violet Red Bile Lactose and Glucose Agar (VRBLG))

Medium G

(see MacConkey Broth)

Medium H

(see MacConkey Agar)

Medium I

(see Bile Tetrathionate-Brilliant Green Broth)

Medium J

(see Desoxycholate Citrate Agar)

Medium K

(see XLD Medium)

Medium L
(see Brilliant Green Agar)

Medium M
(see Triple Sugar Iron Agar)

Medium N
(see Cetrimide Agar)

Medium O
(see Baird-Parker Agar Base)

Medium P
(see Reinforced Clostridial Agar (Ph. Eur.))

Medium Q
(see Columbia Agar Base)

Medium S
(see R2A Agar)

MRS Agar (Dehydrated Culture Media) CULTIMED
Media for the cultivation of Lactobacillus species.
NC: 3821 00 00
Composition (g/l):
di-Ammonium Hydrogen Citrate 2,0
Meat Extract 8,0
Yeast Extract 4,0
D(+)-Glucose 20,0
Magnesium Sulphate....0,2
Manganese(II) Sulphate....0,05
Bacteriological Peptone 10,0
di-Potassium Hydrogen Phosphate 2,0
Sodium Acetate....5,0
Tween 80 1,0
Agar....10,0
pH: 6,2±0,2

Order code	Package	Units/Box st.
413784.1208	100 g P	6
413784.1210	500 g P	6
413784.0914	5 kg PP	

MRS Broth (Dehydrated Culture Media) CULTIMED
Media for the cultivation of Lactobacillus species.
NC: 3821 00 00
Composition (g/l):
di-Ammonium Hydrogen Citrate 2,0
Meat Extract 8,0
Yeast Extract 4,0
D(+)-Glucose 20,0
Magnesium Sulphate....0,2
Manganese(II) Sulphate....0,05
Bacteriological Peptone 10,0
di-Potassium Hydrogen Phosphate 2,0
Sodium Acetate....5,0
Tween 80 1,0
pH: 6,2±0,2

Order code	Package	Units/Box st.
413785.1208	100 g P	6
413785.1210	500 g P	6
413785.0914	5 kg PP	

MR-VP Medium (Dehydrated Culture Media) CULTIMED
Culture media for differentiation of Enterobacteriaceae.
NC: 3821 00 00
Composition (g/l):
D(+)-Glucose 5,0
Peptone Mixture....7,0
tri-Potassium Phosphate....5,0
pH: 6,9±0,2

Order code	Package	Units/Box st.
413786.1210	500 g P	6
413786.0914	5 kg PP	

Mueller-Hinton Agar (Dehydrated Culture Media) CULTIMED
Medium for sensitivity test for diverse antibiotics and sulphonamide.
NC: 3821 00 00
Composition (g/l):
Starch 1,5
Meat Infusion....2,0
Casein Peptone Hydrolysate....17,5
Agar....17,0
pH: 7,4±0,2

Order code	Package	Units/Box st.
413787.1208	100 g P	6
413787.1210	500 g P	6
413787.0914	5 kg PP	

Mueller-Hinton Broth (Dehydrated Culture Media) CULTIMED
Medium for sensitivity test in broth for diverse antibiotics.
NC: 3821 00 00
Composition (g/l):
Starch 1,5
Meat Infusion....2,0
Casein Peptone Hydrolysate....17,5
pH: 7,4±0,2

Order code	Package	Units/Box st.
413788.1210	500 g P	6
413788.0914	5 kg PP	

Nickerson Medium (Dehydrated Culture Media) CULTIMED
Culture media for the presumptive identification of Candida species.
NC: 3821 00 00
Composition (g/l):
Yeast Extract 1,0
Glycine....10,0
D(+)-Glucose 10,0
Bismuth Ammonium Citrate Indicator....5,0
Agar....16,0
Sodium Sulphite....3,00
pH: 6,8±0,2

Order code	Package	Units/Box st.
413790.1210	500 g P	6
413790.0914	5 kg PP	

Nitrate Movility Medium (Dehydrated Culture Media) CULTIMED
Media for the identification of Clostridium perfringens based on its nitrate reduction capacity
NC: 3821 00 00
Composition (g/l):
Casein Peptone....5,0
Meat Extract....3,0
D(+)-Galactose 5,0
Potassium Nitrate....1,0
di-Sodium Hydrogen Phosphate....2,5
Agar....3,5
pH: 7,3±0,2

Order code	Package	Units/Box st.
416275.1210	500 g P	6

Nutrient Agar (Dehydrated Culture Media) CULTIMED
Media for enumeration of organisms in water.
NC: 3821 00 00
Composition (g/l):
Meat Extract....3,0
Gelatine Peptone....5,0
Agar....15,0
pH: 6,8±0,2

Order code	Package	Units/Box st.
413792.1208	100 g P	6
413792.1210	500 g P	6
413792.0914	5 kg PP	

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Nutrient Agar (UNE-EN 12780:2002) (Dehydrated Culture Media) CULTIMED

Media for the differential subculture of Pseudomonas aeruginosa according to UNE-EN 12780:2002

NC: 3821 00 00

Composition (g/l):
Peptone 5,0
Meat Extract 1,0
Yeast Extract 2,0
Sodium Chloride 5,0
Agar 15,0
pH: 7,4±0,2

Order code	Package	Units/Box st.
416261.1210	500 g	6

Nutrient Broth (Dehydrated Culture Media) CULTIMED

Media for the cultivation of non fastidious microorganisms.

NC: 3821 00 00

Composition (g/l):
Meat Extract 3,0
Gelatine Peptone 5,0
pH: 6,8±0,2

Order code	Package	Units/Box st.
413793.1210	500 g	6
413793.0914	5 kg	

Nutrient Gelatine (Dehydrated Culture Media) CULTIMED

Media for the differentiation of bacteria based on their ability to liquefy gelatine.

NC: 3821 00 00

Composition (g/l):
Gelatine 120,0
Gelatine Peptone 5,0
Meat Extract 3,0
pH: 6,8±0,2

Order code	Package	Units/Box st.
413801.1210	500 g	6
413801.0914	5 kg	

OF Basal Medium (Dehydrated Culture Media) CULTIMED

Culture media for differentiating Gram-negative bacteria.

NC: 3821 00 00

Composition (g/l):
Bromothymol Blue 0,03
Casein Peptone 2,0
di-Potassium Hydrogen Phosphate 0,3
Sodium Chloride 5,0
Agar 2,5
pH: 7,1±0,2

Order code	Package	Units/Box st.
414707.1210	500 g	6
414707.0914	5 kg	

OGYE Agar Base (Dehydrated Culture Media) CULTIMED

Media for the enumeration and cultivation of yeasts and fungi.

NC: 3821 00 00

Composition (g/l):
Yeast Extract 5,0
D(+)-Glucose 10,0
Agar 15,0
pH: 6,5±0,2

Order code	Package	Units/Box st.
414958.1210	500 g	6
414958.0914	5 kg	

ONPG-FDA-MUG-INDOL Broth

(see Prepared Media: O-F-M-I Broth)

Orange Serum Agar (Dehydrated Culture Media) CULTIMED

Culture media for the isolation of acid tolerant microorganisms in fruit juices

NC: 3821 00 00

Composition (g/l):
Casein Peptone 10,0
Yeast Extract 3,0
Orange Extract 5,0
Glucose 4,0
Potassium di-Hydrogen Phosphate 3,0
Agar 15,0
pH: 5,5±0,2

Order code	Package	Units/Box st.
416276.1210	500 g	6

Oxford Listeria Agar Base (Dehydrated Culture Media) CULTIMED

Selective medium for detection of Listeria monocytogenes

NC: 3821 00 00

HAZARDOUS:

Xn **R: 22-36/38 S: 26**

Composition (g/l):
Columbia Agar Base 39,0
Esculin 1,0
Ammonium Iron(III) Citrate 0,5
Lithium Chloride 15,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
416111.1210	500 g	6

Oxford Listeria Selective Supplement (Additive) CULTIMED

Additive used for Listeria monocytogenes detection

NC: 3821 00 00 UN: 2811

IMDG: 6.1/I ADR: 6.1/I IATA: 6.1/I PAX: 606 CAO: 607

HAZARDOUS:

T+ N **R: 61-E28-E68 S: 53-28a-36/37-45**

Composition (mg/vial):
Cycloheximide 200,0
Colystine Sulphate 10,0
Acryflavine 2,5
Cefotetan 1,0
Phosphomycine 5,0

Order code	Package	Units/Box st.
416115.02132	10 vials	6

PALCAM Listeria Agar Base (Dehydrated Culture Media) CULTIMED

Media for the selective isolation, cultivation and differentiation of Listeria monocytogenes

NC: 3821 00 00

HAZARDOUS:

Xi **R: 36/38**

Composition (g/l):
Columbia Agar Base 39,0
Yeast Extract 3,0
Glucose 0,5
Esculin 0,8
Ammonium Iron(III) Citrate 0,5
Mannitol 10,0
Phenol Red 0,08
Lithium Chloride 15,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
415380.1210	500 g	6

PALCAM Listeria Selective Supplement (Additive) CULTIMED

Additive used for Listeria monocytogenes detection

NC: 3821 00 00

HAZARDOUS:

Xi **R: 41-52/53 S: 26-39**

Composition (mg/vial):
Polymyxin B Sulphate 5,0
Ceftacidine 10,0
Acryflavine 2,5

Order code	Package	Units/Box st.
416116.02132	10 vials	6

PCA

(see Standard Methods Agar (APHA). Prepared Media: Plate Count Agar (PCA))

Peptone of Casein-Glucose-Yeast Extract Agar

(see Standard Methods Agar (APHA). Prepared Media: Plate Count Agar (PCA))

Peptone Water (Dehydrated Culture Media) CULTIMED

Diluent agent for the homogenization of samples.

NC: 3821 00 00

Composition (g/l):

Tryptone....10,0
Sodium Chloride....5,0

pH: 7,2±0,2

Order code	Package	Units/Box st.
413794.1210	500 g P	6
413794.0914	5 kg PP	

Perfringens according to Angelotti Selective Agar

(see SPS Agar (Selective Agar according to Angelotti))

Potassium Tellurite solution 3,5% (Additive) CULTIMED

Additive selective for culture media.

NC: 3821 00 00

HAZARDOUS:

Xn R: 22

Order code	Package	Units/Box st.
414724.1607	50 ml	6
414724.1608	100 ml	6

Potato Glucose Agar (Dehydrated Culture Media) CULTIMED

Media for the culture and enumeration of yeast and fungi.

NC: 3821 00 00

Composition (g/l):

D(+)-Glucose....20,0
Potatoes Infusion....4,0
Agar....15,0

pH: 5,6±0,2

Order code	Package	Units/Box st.
413758.1208	100 g P	6
413758.1210	500 g P	6
413758.0914	5 kg PP	

Potato Infusion Agar (Dehydrated Culture Media) CULTIMED

Culture media for the isolation of Brucella species

NC: 3821 00 00

Composition (g/l):

Potato Infusion....200,0
Meat Peptone....10,0
Meat Extract....5,0
Glucose....10,0
Sodium Chloride....5,0
Agar....15,0

pH: 6,8±0,2

Order code	Package	Units/Box st.
416322.1210	500 g P	6

Pseudomonas CN Agar Base (UNE-EN 12780:2002) (Dehydrated Culture Media) CULTIMED

Media for the enumeration of Pseudomonas aeruginosa.

NC: 3821 00 00

Composition (g/l):

Cetrimide....0,2
Nalidixic Acid....0,015
Magnesium Chloride....1,4
Hydrolyzed Casein Peptone....10,0
Gelatine Peptone....16,0
Potassium Sulphate....10,0
Agar....13,0

pH:7,1±0,2

Order code	Package	Units/Box st.
413752.1210	500 g P	6
413752.0914	5 kg PP	

Pseudomonas-F Agar (Dehydrated Culture Media) CULTIMED

Media for the differentiation of Pseudomonas aeruginosa.

NC: 3821 00 00

Composition (g/l):

Magnesium Sulphate....1,5
Peptone....20,0
di-Potassium Hydrogen Phosphate....1,5
Agar....15,0

pH: 7,0±0,2

Order code	Package	Units/Box st.
413796.1210	500 g P	6
413796.0914	5 kg PP	

R2A Agar (Ph. Eur.) (Dehydrated Culture Media) CULTIMED

Media for the enumeration of heterotrophic bacteria in water according to Ph. Eur.

NC: 3821 00 00

Composition (g/l):

Peptone....0,75
Tryptone....0,25
Yeast Extract....0,5
Glucose....0,5
Starch....0,5
Sodium Pyruvate....0,3
di-Potassium Hydrogen Phosphate....0,3
Magnesium Sulphate....0,024
Agar....15,0

pH: 7,2±0,2

Order code	Package	Units/Box st.
416197.1210	500 g P	6

Raka-Ray Agar Base (Dehydrated Culture Media) CULTIMED

Selective medium for the isolation of lactic acid bacteria.

NC: 3821 00 00

Composition (g/l):

N-Acetylglucosamine....0,5
di-Ammonium Hydrogen Citrate....2,0
Betaine Chlorhydrate....2,0
Cycloheximide....0,007
Liver Extract....1,0
Yeast Extract....5,0
D(-)-Fructose....5,0
D(+)-Glucose....5,0
Magnesium Sulphate....2,0
Maltose....10,0
Manganese(II) Sulphate....0,66
Potassium Aspartate....2,5
tri-Potassium Phosphate....2,0
Potassium Glutamate....2,5
Tryptone....20,0
Agar....17,0

pH: 5,4±0,2

Order code	Package	Units/Box st.
413797.1210	500 g P	6
413797.0914	5 kg PP	

Rappaport Broth (Dehydrated Culture Media) CULTIMED

Culture media for the enrichment of Salmonella, with the exception of S. typhi.

NC: 3821 00 00

Composition (g/l):

Yeast Extract....1,6
Magnesium Chloride....30,0
Potassium di-Hydrogen Phosphate....0,78
Sodium Chloride....7,0
di-Sodium Hydrogen Phosphate....0,26
Trypticaseine....4,3
Malachite Green....0,1

pH: 5,5±0,2

Order code	Package	Units/Box st.
413798.1210	500 g P	6
413798.0914	5 kg PP	

Rappaport-Vassiliadis (RVS) Broth (Dehydrated Culture Media) CULTIMED

Enrichment broth for Salmonella.

NC: 3821 00 00

Composition (g/l):

Magnesium Chloride anhydrous....13,58
Soy Peptone....4,5
Potassium di-Hydrogen Phosphate....1,26
di-Potassium Hydrogen Phosphate....0,18
Sodium Chloride....7,20
Malachite Green....0,036

pH: 5,2±0,2

Order code	Package	Units/Box st.
414959.1210	500 g P	6
414959.0914	5 kg PP	

Reinforced Clostridial Agar (RCM) (Dehydrated Culture Media) CULTIMED

Media for the cultivation of Clostridium, Bifidobacterium and other anaerobic organisms.

NC: 3821 00 00

Composition (g/l):
Starch 1,0
L-Cysteine Hydrochloride 0,5
Meat Extract 10,0
Yeast Extract 3,0
D(+)-Glucose 5,0
Peptone 10,0
Sodium Acetate 3,0
Sodium Chloride 5,0
Agar 12,5
pH: 6,8±0,2

Order code	Package	Units/Box st.
414655.1210	500 g P	6
414655.0914	5 kg PP	

Reinforced Clostridial Agar (Ph. Eur.) (Dehydrated Culture Media) CULTIMED

Media for the enumeration of clostridia, lactobacillis and anaerobic bacteria according to Ph. Eur.

NC: 3821 00 00

Composition (g/l):
Starch 1,0
L-Cysteine Hydrochloride 0,5
Meat Extract 10,0
Yeast Extract 3,0
D(+)-Glucose 5,0
Casein Peptone 10,0
Sodium Acetate 3,0
Sodium Chloride 5,0
Agar 0,5
pH: 6,8±0,2

Order code	Package	Units/Box st.
416253.1210	500 g P	6

Rogosa SL Agar (Dehydrated Culture Media) CULTIMED

Media for the cultivation, and enumeration of Lactobacillus.

NC: 3821 00 00

Composition (g/l):
di-Ammonium Hydrogen Citrate 2,0
Arabinose 5,0
Yeast Extract 5,0
D(+)-Glucose 10,0
Iron(II) Sulphate 0,03
Magnesium Sulphate 0,57
Manganese(II) Sulphate 0,12
Potassium di-Hydrogen Phosphate 6,0
Saccharose 5,0
Sodium Acetate 15,0
Sorbitan Monooleate 1,0
Tryptose 10,0
Agar 15,0
pH: 5,4±0,2

Order code	Package	Units/Box st.
413800.1210	500 g P	6
413800.0914	5 kg PP	

Rose Bengal Chloramphenicol Agar (Dehydrated Culture Media) CULTIMED

Culture media for the enumeration and isolation of yeast and fungi.

NC: 3821 00 00

Composition (g/l):
Rose Bengal 0,05
Chloramphenicol 0,1
D(+)-Glucose 10,0
Magnesium Sulphate 0,5
Bacteriological Peptone 5,0
Potassium di-Hydrogen Phosphate 1,0
Agar 15,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
414855.1208	100 g P	6
414855.1210	500 g P	6
414855.0914	5 kg PP	

Rothe Broth (Glucose Azide Broth) (Dehydrated Culture Media) CULTIMED

Culture media for the detection of Enterococci.

NC: 3821 00 00

HAZARDOUS:

Xn **R: 22-52 S: 45**

Composition (g/l):
Sodium Azide 0,2
D(+)-Glucose 7,5
Meat Extract 4,5
Mixture of Peptones 15,0
Sodium Chloride 7,5
pH: 7,2±0,2

Order code	Package	Units/Box st.
413742.1210	500 g P	6
413742.0914	5 kg PP	

RPF Supplement (ISO-FDIS 6888-2) (Additive) CULTIMED

Additive for the preparation of Baird-Parker Agar Base (Code 413744) used for the detection of coagulase positive Staphylococcus

NC: 3821 00 00

Composition (per vial):
Rabbit Plasma ....2,5 ml
Bovine Fibrinogen ....380 mg
Trypsin Inhibitor ....2,5 mg
Potassium Tellurite ....2,5 mg

Order code	Package	Units/Box st.
416272.02132	10 vials	6

Sabouraud Agar

(see Sabouraud Glucose Agar)

Sabouraud+Chloramphenicol Agar

(see Sabouraud Glucose Agar+Chloramphenicol)

Sabouraud Glucose Agar (Ph. Eur.) (Dehydrated Culture Media) CULTIMED

Media for the cultivation and enumeration of fungi and yeasts.

NC: 3821 00 00

Composition (g/l):
D(+)-Glucose 40,0
Peptones mixture 10,0
Agar 15,0
pH: 5,6±0,2

Order code	Package	Units/Box st.
413802.1208	100 g P	6
413802.1210	500 g P	6
413802.0914	5 kg PP	

Sabouraud Glucose Agar+Chloramphenicol (Ph. Eur.) (Dehydrated Culture Media) CULTIMED

Media for the cultivation and enumeration of fungi and yeasts.

NC: 3821 00 00

Composition (g/l):
D(+)-Glucose 40,0
Chloramphenicol 0,05
Peptones Mixture 10,0
Agar 15,0
pH: 5,6±0,2

Order code	Package	Units/Box st.
413842.1208	100 g P	6
413842.1210	500 g P	6
413842.0914	5 kg PP	

Sabouraud Glucose Agar+Cycloheximide (Dehydrated Culture Media) CULTIMED

Media for the cultivation and enumeration of fungi and yeasts.

NC: 3821 00 00

Composition (g/l):
D(+)-Glucose 40,0
Cycloheximide 0,40
Peptones mixture 10,0
Agar 15,0
pH: 5,6±0,2

Order code	Package	Units/Box st.
414267.1210	500 g P	6

Sabouraud Liquid Medium (Dehydrated Culture Media) CULTIMED

Culture media for antibiotic effectiveness test and in fungi and yeast cultures.

NC: 3821 00 00

Composition (g/l):

D(+)-Glucose 20,0
Meat Peptone 5,0
Casein Peptone 5,0

pH: 5,7±0,2

Order code	Package	Units/Box st.
413804.1210	500 g P	6
413804.0914	5 kg PP	

Sabouraud Maltose Agar (Dehydrated Culture Media) CULTIMED

Media for the cultivation and enumeration of fungi and yeasts.

NC: 3821 00 00

Composition (g/l):

D-Maltose 40,0
Peptone 10,0
Agar 15,0

pH: 5,6±0,2

Order code	Package	Units/Box st.
413803.1210	500 g P	6
413803.0914	5 kg PP	

Saline Peptone Water (NF ISO 6579:1990) (Dehydrated Culture Media) CULTIMED

General diluent agent

NC: 3821 00 00

Composition (g/l):

Casein Peptone 1,0
Sodium Chloride 8,5

pH: 7,0±0,2

Order code	Package	Units/Box st.
416265.1210	500 g P	6

Salmonella Shigella Agar (Dehydrated Culture Media) CULTIMED

Medium for the isolation of Shigella and Salmonella.

NC: 3821 00 00

Composition (g/l):

Meat Extract 5,0
Iron(III) Citrate 1,0
Lactose 10,0
Peptones 5,0
Neutral Red 0,025
Bile Salts 8,5
tri-Sodium Citrate 8,5
Sodium Thiosulphate 8,5
Brilliant Green 0,00033
Agar 13,5

pH: 7,0±0,2

Order code	Package	Units/Box st.
413805.1208	100 g P	6
413805.1210	500 g P	6
413805.0914	5 kg PP	

Schaedler Agar (Dehydrated Culture Media) CULTIMED

Culture media for anaerobic bacterial species.

NC: 3821 00 00

Composition (g/l):

Tryptone Soy Broth 10,0
L-Cystine 0,4
D(+)-Glucose 5,0
Yeast Extract 5,0
Hemin 0,01
Peptone 5,0
Tris (Hydroxymethyl) Aminomethane 3,0
Agar 13,5

pH: 7,6±0,2

Order code	Package	Units/Box st.
413807.1210	500 g P	6
413807.0914	5 kg PP	

Schaedler Broth (Dehydrated Culture Media) CULTIMED

Culture media for anaerobic bacterial species.

NC: 3821 00 00

Composition (g/l):

Tryptone Soy Broth 10,0
L-Cystine 0,4
D(+)-Glucose 5,0
Yeast Extract 5,0
Hemin 0,01
Casein Peptone 2,5
Meat Peptone 2,5
Tris (Hydroxymethyl) Aminomethane 3,0

pH: 7,6±0,2

Order code	Package	Units/Box st.
413808.1210	500 g P	6
413808.0914	5 kg PP	

Selenite Brilliant Green Broth (Dehydrated Culture Media) CULTIMED

Culture media for the enrichment of Salmonella.

NC: 3821 00 00 UN: 3077

IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

Xn N **R: 20/22-33-51 S: 23c-45-61**

Composition (g/l):

Sodium Selenite 4,0
Brilliant Green 0,005
Yeast Extract 5,0
D(-)-Mannitol 5,0
Gelatin Peptone 5,0
di-Potassium Hydrogen Phosphate 2,65
Potassium di-Hydrogen Phosphate 1,02
Sodium Taurocholate 1,0
Sodium Sulfapyridine 0,5

pH: 7,4±0,2

Order code	Package	Units/Box st.
414703.1210	500 g P	6
414703.0914	5 kg PP	

Selenite Broth Base (Dehydrated Culture Media) CULTIMED

Media for the enrichment of Salmonella.

NC: 3821 00 00 UN: 3077

IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

Xn N **R: 20/22-33-51 S: 23c-45-61**

Composition (g/l):

Sodium Selenite 4,00
Lactose 4,00
Peptone mixture 5,00
tri-Sodium Phosphate 10,00

pH: 7,0±0,2

Order code	Package	Units/Box st.
413824.1210	500 g P	6
413824.0914	5 kg PP	

Selenite Cystine Broth (Dehydrated Culture Media) CULTIMED

Media for the enrichment of Salmonella.

NC: 3821 00 00 UN: 3077

IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

Xn N **R: 20/22-33-51 S: 23c-45-61**

Composition (g/l):

Sodium Hydrogen Selenite 4,00
L(-)-Cystine 0,01
Lactose 4,00
Peptone mixture 5,00
tri-Sodium Phosphate 10,00

pH: 7,0±0,2

Order code	Package	Units/Box st.
413809.1210	500 g P	6
413809.0914	5 kg PP	

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Détergents de laboratoire

SIM Medium (Dehydrated Culture Media) CULTIMED

Culture media for the differentiation of Enterobacteriaceae.

NC: 3821 00 00

Composition (g/l):
Ammonium Iron(III) Sulphate 0,2
Meat Peptone 6,1
Casein Peptone 20,0
Sodium Thiosulphate 0,2
Agar 3,5
pH: 7,3±0,2

Order code	Package	Units/Box st.
413810.1210	500 g P	6
413810.0914	5 kg PP	

Simmons Citrate Agar (Dehydrated Culture Media) CULTIMED

Culture media for the differentiation and identification of Enterobacteriaceae based on citrate utilization.

NC: 3821 00 00

Composition (g/l):
tri-Sodium Citrate 2,0
Ammonium di-Hydrogen Phosphate 1,0
Bromothymol Blue 0,08
Magnesium Sulphate 0,2
di-Potassium Hydrogen Phosphate 1,0
Sodium Chloride 5,0
Agar 15,0
pH: 6,9±0,2

Order code	Package	Units/Box st.
413811.1210	500 g P	6
413811.0914	5 kg PP	

Skim Milk Plate Count Agar (Dehydrated Culture Media) CULTIMED

Media used for the differentiation of bacteria based on proteolytic activity.

NC: 3821 00 00

Composition (g/l):
Skim milk 1,0
D(+)-Glucose 1,0
Yeast Extract 2,5
Tryptone 5,0
Agar 15,0
pH: 7,0±0,2

Order code	Package	Units/Box st.
414118.1210	500 g P	6
414118.0914	5 kg PP	

Slanetz Bartley Medium (ISO 7899-2:2000) (Dehydrated Culture Media) CULTIMED

Culture media for the enumeration of Enterococci.

NC: 3821 00 00

HAZARDOUS:

Xn **R: 22 S: 45**

Composition (g/l):
Yeast Extract 5,0
D(+)-Glucose 2,0
Sodium Azide 0,4
di-Potassium Hydrogen Phosphate 4,0
2,3,5-Triphenyl-2H-Tetrazolium Chloride 0,1
Tryptose 20,0
Agar 10,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
413812.1208	100 g P	6
413812.1210	500 g P	6
413812.0914	5 kg PP	

SPS Agar (Selective Agar according to Angelotti) (Dehydrated Culture Media) CULTIMED

Culture media for the detection and enumeration of sulphite-reducing clostridia.

NC: 3821 00 00

Composition (g/l):
Sodium Sulphite 0,3
Polymyxin B Sulphate 0,01
Sodium Sulfadiazine 0,12
Yeast Extract 10,0
Iron(III) Citrate 0,5
Casein Peptone 15,5
Agar 13,0
pH: 7,0±0,2

Order code	Package	Units/Box st.
414125.1208	100 g P	6
414125.1210	500 g P	6
414125.0914	5 kg PP	

Standard Methods Agar (APHA) (ISO 4833:2003) (Dehydrated Culture Media) CULTIMED

Culture media for the enumeration of microorganisms.

NC: 3821 00 00

Composition (g/l):
Yeast Extract 2,5
D(+)-Glucose 1,0
Tryptone 5,0
Agar 15,0
pH: 7,0±0,2

Order code	Package	Units/Box st.
413799.1208	100 g P	6
413799.1210	500 g P	6
413799.0914	5 kg PP	

Staphylococcus according to Baird-Parker Selective Agar

(see Baird-Parker Agar Base)

Staphylococcus Medium nº 110 (Dehydrated Culture Media) CULTIMED

Media for the isolation of Staphylococci in foodstuff and other materials.

NC: 3821 00 00

Composition (g/l):
Yeast Extract 2,5
Gelatine 30,0
Lactose 2,0
D(-)-Mannitol 10,0
Casein Peptone 10,0
di-Potassium Hydrogen Phosphate 5,0
Sodium Chloride 75,0
Agar 15,0
pH: 7,0±0,2

Order code	Package	Units/Box st.
413764.1210	500 g P	6
413764.0914	5 kg PP	

Sterility Test Broth

(see Thioglycollate Medium USP)

Stuart Transport Medium (Dehydrated Culture Media) CULTIMED

Culture media for the transport of samples to prolong the survival of microorganisms.

NC: 3821 00 00

Composition (g/l):
Methylene Blue 0,002
Calcium Chloride 0,1
Sodium Glycerophosphate 10,0
Sodium Thioglycollate 1,0
Agar 3,0
pH: 7,4±0,2

Order code	Package	Units/Box st.
413813.1210	500 g P	6
413813.0914	5 kg PP	

TBA Agar (ISO 9308-1:2000) (Dehydrated Culture Media) CULTIMED

Selective culture media for the determination and the enumeration of E.coli according to ISO 9308-1:2000

NC: 3821 00 00

Composition (g/l):
Tryptone 20,0
Bile Salts 1,5
Agar 15,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
416262.1210	500 g P	6

TBX Agar (ISO 16649-2:2000) (Dehydrated Culture Media) CULTIMED

Selective culture media for the determination and the enumeration of E.coli according to ISO 16649-2:2000

NC: 3821 00 00

Composition (g/l):
Casein Peptone 20,0
Bile Salts 1,5
X-β-D-Glucuronide 0,075
Agar 15,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
416220.1210	500 g P	6

TCBS Cholera Medium (Dehydrated Culture Media) CULTIMED

Media for the cultivation and isolation of Vibrio cholerae and Vibrio parahaemolyticus.

NC: 3821 00 00

Composition (g/l):

Bromothymol Blue	0,04
Thymol Blue	0,04
Dried Bile	5,0
Yeast Extract	5,0
Iron(III) Citrate	1,0
Meat Peptone	5,0
Casein Peptone	5,0
Saccharose	20,0
tri-Sodium Citrate	10,0
Sodium Chloride	10,0
Sodium Cholate	3,0
Sodium Thiosulphate	10,0
Agar	14,0

pH: 8,6±0,2

Order code	Package	Units/Box st.
413817.1210	500 g P	6
413817.0914	5 kg PP	

Tergitol 7 Agar

(see Chapman TTC (Tergitol 7) Agar)

Tetrathionate Broth Base (Dehydrated Culture Media) CULTIMED

Culture media for the enrichment of Salmonella.

NC: 3821 00 00

Composition (g/l):

Calcium Carbonate	10,0
Mixture of Peptones	5,0
Bile Salts	1,0
Sodium Thiosulphate	30,0

pH: 8,4±0,2

Order code	Package	Units/Box st.
413814.1210	500 g P	6
413814.0914	5 kg PP	

Tetrathionate Broth Base acc. to Muller-Kauffmann (Dehydrated Culture Media) CULTIMED

Broth base for the enrichment of Salmonella.

NC: 3821 00 00

Composition (g/l):

Ox Bile	4,75
Calcium Carbonate	25,0
Meat Extract	0,9
Yeast Extract	1,8
Meat Peptone	4,5
Sodium Chloride	4,5
Sodium Thiosulphate	40,7

pH: 7,6±0,2

Order code	Package	Units/Box st.
414961.1210	500 g P	6
414961.0914	5 kg PP	

Thioglycollate (USP), Liquid Medium (Dehydrated Culture Media) CULTIMED

Media for the cultivation of aerobic and anaerobic organisms in the performance of sterility tests.

NC: 3821 00 00

Composition (g/l):

Sodium Thioglycollate	0,5
L-Cystine	0,5
Yeast Extract	5,0
D(+)-Glucose	5,5
Casein Peptone	15,0
Resazurin	0,001
Sodium Chloride	2,5
Agar	0,75

pH: 7,1±0,2

Order code	Package	Units/Box st.
413815.1210	500 g P	6
413815.0914	5 kg PP	

Thioglycollate Medium without Indicator (Dehydrated Culture Media) CULTIMED

Media for the cultivation of aerobic and anaerobic organisms in the perfomance of sterility tests.

NC: 3821 00 00

Composition (g/l):

Sodium Thioglycollate	0,5
L-Cystine	0,25
D(+)-Glucose	6,0
Casein Peptone	17,0
Soymeal Peptone	3,0
Sodium Chloride	2,5
Sodium Sulphite	0,1
Agar	0,75

pH: 7,0±0,2

Order code	Package	Units/Box st.
413816.1210	500 g P	6
413816.0914	5 kg PP	

Thioglycollate Liquid Medium (Dehydrated Culture Media) CULTIMED

Media for the cultivation of aerobic and anaerobic organisms in the performance of sterility tests.

NC: 3821 00 00

Composition (g/l):

Sodium Thioglycollate	0,5
L-Cystine	0,5
Yeast Extract	5,0
D(+)-Glucose	5,5
Bacteriological Peptone	15,0
Resazurin	0,001
Sodium Chloride	2,5
Agar	0,5

pH: 7,1±0,2

Order code	Package	Units/Box st.
413912.1210	500 g P	6
413912.0914	5 kg PP	

Todd Hewitt Broth (Dehydrated Culture Media) CULTIMED

Media for the cultivation of a great variety of pathogenic microorganisms.

NC: 3821 00 00

Composition (g/l):

D(+)-Glucose	2,0
Heart Infusion	3,1
Bacteriological Peptone	20,0
Sodium Carbonate	0,5
Sodium Chloride	2,0
di-Sodium Hydrogen Phosphate	0,4

pH: 7,8±0,2

Order code	Package	Units/Box st.
413818.1210	500 g P	6
413818.0914	5 kg PP	

Triple Sugar Iron Agar (Ph. Eur.) (Dehydrated Culture Media) CULTIMED

Media for the differentiation of Enterobacteriaceae.

NC: 3821 00 00

Composition (g/l):

Ammonium Iron(III) Citrate	0,3
D(+)-Glucose	1,0
Meat Extract	3,0
Yeast Extract	3,0
Lactose	10,0
Saccharose	10,0
Peptone Mixture (Meat/Casein)	20,0
Phenol Red	0,025
Sodium Chloride	5,0
Sodium Thiosulphate	0,3
Agar	12,0

pH: 7,4±0,2

Order code	Package	Units/Box st.
413771.1210	500 g P	6
413771.0914	5 kg PP	

Tryptone, Bile, X-Glucuronide Agar

(see TBX Agar)

Tryptone Agar with bile salts

(see TBA Agar)

DC

Diagnóstico clínico
Products for Histology and Haematology
Produits pour Histologie et hématologie

Tryptone Glucose Agar (Dehydrated Culture Media) CULTIMED

Media for the cultivation of aerobic and anaerobic microorganisms.

NC: 3821 00 00

Composition (g/l):
D(+)-Glucose 5,0
Casein Peptone 20,0
Bromothymol Blue 0,01
Agar 3,5
pH: 7,3±0,2

Order code	Package	Units/Box st.
413841.1210	500 g P	6
413841.0914	5 kg PP	

Tryptone Glucose Extract Agar (Dehydrated Culture Media) CULTIMED

Culture media for the enumeration of bacteria and for the detection of thermophilic organisms.

NC: 3821 00 00

Composition (g/l):
D(+)-Glucose 1,0
Meat Extract 3,0
Casein Peptone 5,0
Agar 15,0
pH: 7,0±0,2

Order code	Package	Units/Box st.
413844.1210	500 g P	6
413844.0914	5 kg PP	

Tryptone Soy Agar (TSA) (Ph. Eur.) (Dehydrated Culture Media) CULTIMED

Media for the cultivation of a wide variety of microorganisms.

NC: 3821 00 00

Composition (g/l):
Soy Peptone 5,0
Casein Peptone 15,0
Sodium Chloride 5,0
Agar 15,0
pH: 7,3±0,2

Order code	Package	Units/Box st.
413819.1208	100 g P	6
413819.1210	500 g P	6
413819.0914	5 kg PP	

Tryptone Soy Broth (TSB) (Ph. Eur.) (Dehydrated Culture Media) CULTIMED

Media for the culture of a wide variety of microorganisms.

NC: 3821 00 00

Composition (g/l):
Soy Peptone 3,0
D(+)-Glucose 2,5
Casein Peptone 17,0
di-Potassium Hydrogen Phosphate 2,5
Sodium Chloride 5,0
pH: 7,3±0,2

Order code	Package	Units/Box st.
413820.1208	100 g P	6
413820.1210	500 g P	6
413820.0914	5 kg PP	

Tryptone Soy+Tween+Lecithin Agar

(see Prepared Media: TSA-Tween-Lecithin-Agar)

Tryptone Water

(see Peptone Water)

Tryptone Yeast Extract Agar (ISO 6222:1999) (Dehydrated Culture Media) CULTIMED

Media for the enumeration of microorganisms according ISO 6222:1999

NC: 3821 00 00

Composition (g/l):
Yeast Extract 3,0
Tryptone 6,0
Agar 15,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
416106.1210	500 g P	6

Tryptophan Broth (ISO 9308-1:2000) (Dehydrated Culture Media) CULTIMED

Culture media for the differential subculture of Coliforms and for the indol test according to ISO 9308-1:2000

NC: 3821 00 00

Composition (g/l):
Casein Peptone 10,0
L-Tryptophan 1,0
Sodium Chloride 5,0
pH: 7,5±0,2

Order code	Package	Units/Box st.
416263.1210	500 g P	6

Tryptose-Sulphite-Cycloserine Agar

(see TSC Agar Base)

TSA

(see Tryptone Soy Agar (TSA))

TSA-Polysorbate-Lecithin Agar

(see Prepared Media: TSA-Tween-Lecithin-Agar)

TSB

(see Tryptone Soy Broth (TSB))

TSC Agar Base (Dehydrated Culture Media) CULTIMED

Culture media for the detection and enumeration of Clostridium perfringens and other anaerobics in water, foods and other materials.

NC: 3821 00 00

Composition (g/l):
Yeast Extract 5,0
Iron(III) Citrate 1,0
Soy Peptone 5,0
Sodium Disulphite 1,0
Tryptose 15,0
Agar 15,0
pH: 7,6±0,2

Order code	Package	Units/Box st.
415576.1210	500 g P	6

TSN Agar (Dehydrated Culture Media) CULTIMED

Culture media for the enumeration of Clostridium perfringens.

NC: 3821 00 00

Composition (g/l):
Neomycin Sulphate 0,02
Sodium Sulphite 1,0
Yeast Extract 10,0
Iron(III) Citrate 0,5
Casein Peptone 15,0
Polymyxin B Sulphate 0,05
Agar 13,5
pH: 7,0±0,2

Order code	Package	Units/Box st.
413833.1210	500 g P	6
413833.0914	5 kg PP	

Urea Agar Base (Dehydrated Culture Media) CULTIMED

Culture media for the differentiation of enteric bacilli.

NC: 3821 00 00

Composition (g/l):
Urea 20,0
D(+)-Glucose 1,0
Gelatine Peptone 1,0
Potassium di-Hydrogen Phosphate 2,0
Phenol Red 0,012
Sodium Chloride 5,0
pH: 6,8±0,2

Order code	Package	Units/Box st.
413821.1210	500 g P	6
413821.0914	5 kg PP	

Urea Broth Base (Dehydrated Culture Media) CULTIMED

Culture media for the differentiation of enteric bacilli.

NC: 3821 00 00

Composition (g/l):
Urea 20,0
Yeast Extract 0,1
Potassium di-Hydrogen Phosphate 9,1
Phenol Red 0,01
di-Sodium Hydrogen Phosphate 9,5
pH: 6,8±0,2

Order code	Package	Units/Box st.
413822.1210	500 g P	6
413822.0914	5 kg PP	

Urea Indole Broth (Dehydrated Culture Media) CULTIMED

Culture media for the identification of Enterobacteria.

NC: 3821 00 00

Composition (g/l):

Urea 20,0
Potassium di-Hydrogen Phosphate 1,0
di-Potassium Hydrogen Phosphate 1,0
Phenol Red 0,025
Sodium Chloride 5,0
L-Tryptophan 3,0

pH: 6,8±0,2

Order code	Package	Units/Box st.
414705.1210	500 g P	6
414705.0914	5 kg PP	

Violet Red Bile Glucose Agar (VRBG) (Ph. Eur.) (Dehydrated Culture Media) CULTIMED

Culture media for the enumeration of Enterobacteriaceae.

NC: 3821 00 00

Composition (g/l):

Bile Salts Mixture 1,5
Crystal Violet 0,002
Neutral Red 0,03
D(+)-Glucose 10,0
Yeast Extract 3,0
Gelatine Peptone 7,0
Sodium Chloride 5,0
Agar 15,0

pH: 7,4±0,2

Order code	Package	Units/Box st.
413745.1208	100 g P	6
413745.1210	500 g P	6
413745.0914	5 kg PP	

Violet Red Bile Lactose Agar (VRBL) (Dehydrated Culture Media) CULTIMED

Culture media for the detection and enumeration of Coliforms.

NC: 3821 00 00

Composition (g/l):

Bile Salts Mixture 1,5
Crystal Violet 0,002
Neutral Red 0,03
Lactose 10,0
Yeast Extract 3,0
Gelatine Peptone 7,0
Sodium Chloride 5,0
Agar 15,0

pH: 7,4±0,2

Order code	Package	Units/Box st.
413746.1208	100 g P	6
413746.1210	500 g P	6
413746.0914	5 kg PP	

Violet Red Bile Lactose and Glucose Agar (VRBLG) (Ph. Eur.) (Dehydrated Culture Media) CULTIMED

Culture media for the enumeration of Enterobacteriaceae according Ph Eur

NC: 3821 00 00

Composition (g/l):

Yeast Extract 3,0
Peptone 7,0
Bile Salts n° 3 1,5
D(+)-Glucose 10,0
Lactose 10,0
Sodium Chloride 5,0
Neutral Red 0,03
Crystal Violet 0,002
Agar 15,0

pH: 7,4±0,2

Order code	Package	Units/Box st.
416255.1210	500 g P	6

Vogel-Johnson Agar (Dehydrated Culture Media) CULTIMED

Culture media for the isolation of Staphylococcus mannitol-positive.

NC: 3821 00 00

Composition (g/l):

Yeast Extract 5,0
Glycine 10,0
Lithium Chloride 5,0
D(-)-Mannitol 10,0
di-Potassium Hydrogen Phosphate 5,0
Phenol Red 0,025
Tryptone 10,0
Agar 15,0

pH: 7,2±0,2

Order code	Package	Units/Box st.
413825.1210	500 g P	6
413825.0914	5 kg PP	

VRBG Agar

(see Violet Red Bile Glucose Agar (VRBG))

VRBL Agar

(see Violet Red Bile Lactose Agar (VRBL))

VRBLG Agar

(see Violet Red Bile Lactose and Glucose Agar (VRBLG))

Wilkins-Chalgren Agar (Dehydrated Culture Media) CULTIMED

Culture media for the cultivation and antimicrobial susceptibility testing of anaerobic bacteria.

NC: 3821 00 00

Composition (g/l):

L-Arginine 1,0
Yeast Extract 5,0
D(+)-Glucose 1,0
Hemin 0,005
Peptone 10,0
Sodium Chloride 5,0
Sodium Pyruvate 1,0
Tryptone 10,0
Vitamin K_1 0,005
Agar 15,0

pH: 7,1±0,2

Order code	Package	Units/Box st.
414715.1210	500 g P	6

Wilkins-Chalgren Modified Agar (Dehydrated Culture Media) CULTIMED

Culture media for the Anaerobic and Staphylococcus impedancimetry

NC: 3821 00 00

Composition (g/l):

L-Arginine 1,0
Yeast Extrat 5,0
D(+)-Glucose 41,0
Hemine 0,005
Trypticase Peptone 10,0
Gelatine Peptone 10,0
Gelatine 8,0
Ammonium Sulphate 5,0
Calcium Chloride 0,1
Iron Sulphate 0,1
Sodium Chloride 5,0
Sodium Pyruvate 1,0
Sodium Hydrogen Carbonate 1,0
Agar 0,3

pH: 7,1±0,2

Order code	Package	Units/Box st.
416188.1210	500 g P	6

Wilkins-Chalgren Broth (Dehydrated Culture Media) CULTIMED

Media for the cultivation and antimicrobial susceptibility (MIC) testing of anaerobic bacteria.

NC: 3821 00 00

Composition (g/l):

L-Arginine 1,0
Yeast Extract 5,0
D(+)-Glucose 1,0
Hemin 0,005
Tryptone 10,0
Bacteriological Peptone 10,0
Sodium Chloride 5,0
Sodium Pyruvate 1,0
Vitamin K_1 0,005

pH: 7,1±0,2

Order code	Package	Units/Box st.
415433.1210	500 g P	6

Wilson Blair Agar

(see Bismuth Sulphite Agar)

WL Differential Agar (Dehydrated Culture Media) CULTIMED

Media for the differential cultivation of bacteria in the brewing processes and other fermentation industries.

NC: 3821 00 00

Composition (g/l):

Calcium Chloride	0,125
Cycloheximide	0,004
Yeast Extract	4,0
D(+)-Glucose	50,0
Iron(III) Chloride	0,0025
Magnesium Sulphate	0,125
Manganese(II) Sulphate	0,0025
Tryptone	5,0
Potassium Chloride	0,425
Potassium di-Hydrogen Phosphate	0,55
Bromocresol Green	0,022
Agar	20,0

pH: 5,5±0,2

Order code	Package	Units/Box st.
413843.1210	500 g	6
413843.0914	5 kg	

WL Nutrient Agar (Dehydrated Culture Media) CULTIMED

Culture media for the determination of microbian flora in the brewing processes and other fermentation industries.

NC: 3821 00 00

Composition (g/l):

Calcium Chloride	0,125
Yeast Extract	4,0
D(+)-Glucose	50,0
Iron(III) Chloride	0,0025
Magnesium Sulphate	0,125
Manganese(II) Sulphate	0,0025
Potassium Chloride	0,425
Potassium di-Hydrogen Phosphate	0,55
Tryptone	5,0
Bromocresol Green	0,022
Agar	15,0

pH: 5,5±0,2

Order code	Package	Units/Box st.
413791.1210	500 g	6
413791.0914	5 kg	

XLD Agar (ISO 6579:2002) (Dehydrated Culture Media) CULTIMED

Culture media for the isolation of Salmonella and Shigella according ISO 6579:2002

NC: 3821 00 00

Composition (g/l):

Ammonium Iron(III) Citrate	0,8
Yeast Extract	3,0
Lactose	7,5
L-Lysine	5,0
Phenol Red	0,08
Saccharose	7,5
Sodium Chloride	5,0
Sodium Desoxycholate	1,0
Sodium Thiosulphate	6,8
D(+)-Xylose	3,75
Agar	13,5

pH: 7,4±0,2

Order code	Package	Units/Box st.
416270.1210	500 g	6

XLD Medium (Ph. Eur.) (Dehydrated Culture Media) CULTIMED

Culture media for the isolation of Salmonella and Shigella.

NC: 3821 00 00

Composition (g/l):

Ammonium Iron(III) Citrate	0,8
Yeast Extract	3,0
Lactose	7,5
L-Lysine	5,0
Phenol Red	0,08
Saccharose	7,5
Sodium Chloride	5,0
Sodium Desoxycholate	2,5
Sodium Thiosulphate	6,8
D(+)-Xylose	3,5
Agar	13,5

pH: 7,4±0,2

Order code	Package	Units/Box st.
413826.1208	100 g	6
413826.1210	500 g	6
413826.0914	5 kg	

Yeast Extract Agar (Dehydrated Culture Media) CULTIMED

Media for the culture of moulds and yeast.

NC: 3821 00 00

Composition (g/l):

Yeast Extract	5,0
D(+)-Glucose	10,0
Agar	20,0

pH: 6,5±0,2

Order code	Package	Units/Box st.
413897.1210	500 g	6

PREPARED MEDIA

PREPARED PLATES FOR WATER ANALYSIS THROUGH MEMBRANE FILTRATION

m-CP Agar (Prepared Plate (Ø 55 mm) and filter) CULTIMED

Culture media for the enumeration of C. perfringens (spores included) from surface and drinking water.

NC: 3821 00 00

Composition (g/l):

D-Cycloserine	0,4
L-Cysteine mono-Hydrochloride 1-hydrate.	1,0
Yeast Extract	20,0
Phenolphthalein di-Phosphate sol. 0,5%	20,0
Iron(III) Chloride 6-hydrate sol. 4,5%	2,0
3-Indoxyl-β-D-Glucopyranoside 3-hydrate.	0,06
Magnesium Sulphate 7-hydrate	0,1
Polymyxin B Sulphate	0,025
Bromocresol Purple	0,04
Saccharose	5,0
Tryptose	30,0
Agar	15,0

pH: 7,6±0,2

Order code	Package	Units/Box st.
425463.0922	12 dishes and filters	

m-CP Agar (Prepared Plate (Ø 55 mm)) CULTIMED

Culture media for the enumeration of C. perfringens (spores included) from surface and drinking water.

NC: 3821 00 00

Composition (g/l):

D-Cycloserine	0,4
L-Cysteine mono-Hydrochloride 1-hydrate.	1,0
Yeast Extract	20,0
Phenolphthalein di-Phosphate sol. 0,5%	20,0
Iron(III) Chloride 6-hydrate sol. 4,5%	2,0
3-Indoxyl-β-D-Glucopyranoside 3-hydrate.	0,06
Magnesium Sulphate 7-hydrate	0,1
Polymyxin B Sulphate	0,025
Bromocresol Purple	0,04
Saccharose	5,0
Tryptose	30,0
Agar	15,0

pH: 7,6±0,2

Order code	Package	Units/Box st.
445463.0922	12 dishes	

Nutrient Agar (Prepared Plate (Ø 55 mm) and filter) CULTIMED

Media for the cultivation of a wide variety of bacteria and for enumeration of organisms in water, feces and other materials.

NC: 3821 00 00

Composition (g/l):

Meat Extract	3,0
Meat Peptone	5,0
Agar	12,0

pH: 7,0±0,2

Order code	Package	Units/Box st.
423792.0922	30 dishes and filters	

Nutrient Agar (Prepared Plate (Ø 55 mm)) CULTIMED

Media for the cultivation of a wide variety of bacteria and for enumeration of organisms in water, feces and other materials.

NC: 3821 00 00

Composition (g/l):

Meat Extract	3,0
Meat Peptone	5,0
Agar	12,0

pH: 7,0±0,2

Order code	Package	Units/Box st.
443792.0922	30 dishes	

Pseudomonas CN (UNE-EN 12780:2002) (Prepared Plate (Ø 55 mm) and filter) CULTIMED

Media for the enumeration of Pseudomonas aeruginosa.

NC: 3821 00 00

Composition (g/l):

Cetrimide 0,2
Nalidixic Acid 0,015
Glycerol 10,0
Magnesium Chloride 1,4
Casein Peptone 10,0
Gelatine Peptone 16,0
Potassium Sulphate 10,0
Agar 11,0
pH:7,2±0,2

Order code	Package	Units/Box st.
423752.0922	30 dishes and filters	

Pseudomonas CN (UNE-EN 12780:2002) (Prepared Plate (Ø 55 mm)) CULTIMED

Media for the enumeration of Pseudomonas aeruginosa.

NC: 3821 00 00

Composition (g/l):

Cetrimide 0,2
Nalidixic Acid 0,015
Glycerol 10,0
Magnesium Chloride 1,4
Casein Peptone 10,0
Gelatine Peptone 16,0
Potassium Sulphate 10,0
Agar 11,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
443752.0922	30 dishes	

R2A Agar (Ph. Eur.) (Prepared Plate (Ø 55 mm)) CULTIMED

Media for the enumeration of heterotrophic bacteria in water according to Ph. Eur.

NC: 3821 00 00

Composition (g/l):

Proteose Peptone 0,5
Casein Peptone 0,5
Yeast Extract 0,5
Glucose 0,5
Starch soluble 0,5
Sodium Pyruvate 0,3
di-Potassium Hydrogen Phosphate 0,3
Magnesium Sulphate 0,024
Agar 15,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
446197.0922	30 dishes	

Sabouraud Glucose Agar+Chloramphenicol (Ph. Eur.) (Prepared Plate (Ø 55 mm) and filter) CULTIMED

Media for the cultivation and enumeration of a wide variety of fungi and yeasts.

NC: 3821 00 00

Composition (g/l):

D(+)-Glucose 40,0
Chloramphenicol 0,05
Peptones mixture 10,0
Agar 15,0
pH: 5,6±0,2

Order code	Package	Units/Box st.
423842.0922	30 dishes and filters	

Sabouraud Glucose Agar+Chloramphenicol (Ph. Eur.) (Prepared Plate (Ø 55 mm)) CULTIMED

Media for the cultivation and enumeration of a wide variety of fungi and yeasts.

NC: 3821 00 00

Composition (g/l):

D(+)-Glucose 40,0
Chloramphenicol 0,05
Peptones Mixture 10,0
Agar 15,0
pH: 5,6±0,2

Order code	Package	Units/Box st.
443842.0922	30 dishes	

Slanetz Bartley Medium (ISO 7899-2:2000) (Prepared Plate (Ø 55 mm) and filter) CULTIMED

Culture media for the detection and enumeration of Enterococci in water and foods.

NC: 3821 00 00

HAZARDOUS:

Xn **R: 22 S: 45**

Composition (g/l):

Yeast Extract 5,0
D(+)-Glucose 2,0
di-Potassium Hydrogen Phosphate 4,0
Sodium Azide 0,4
2,3,5-Triphenyl-2H-Tetrazolium Chloride 0,1
Tryptose 20,0
Agar 10,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
423812.0922	30 dishes and filters	

Slanetz Bartley Medium (ISO 7899-2:2000) (Prepared Plate (Ø 55 mm)) CULTIMED

Culture media for the detection and enumeration of Enterococci in water and foods.

NC: 3821 00 00

HAZARDOUS:

Xn **R: 22 S: 45**

Composition (g/l):

Yeast Extract 5,0
D(+)-Glucose 2,0
di-Potassium Hydrogen Phosphate 4,0
Sodium Azide 0,4
2,3,5-Triphenyl-2H-Tetrazolium Chloride 0,1
Tryptose 20,0
Agar 10,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
443812.0922	30 dishes	

SPS Agar (Prepared Plate (Ø 55 mm) and filter) CULTIMED

Culture media for the detection and enumeration of sulphite-reducing clostridia in food and other materials.

NC: 3821 00 00

Composition (g/l):

Sodium Sulphite 0,5
Polymyxin B Sulphate 0,01
Sodium Sulfadiazine 0,12
Yeast Extract 10,0
Iron(III) Citrate 0,5
Casein Peptone 15,0
Agar 13,9
pH: 7,0±0,2

Order code	Package	Units/Box st.
424125.0922	30 dishes and filters	

SPS Agar (Prepared Plate (Ø 55 mm)) CULTIMED

Culture media for the detection and enumeration of sulphite-reducing clostridia in food and other materials.

NC: 3821 00 00

Composition (g/l):

Sodium Sulphite 0,5
Polymixin B Sulphate 0,01
Sodium Sulfadiazine 0,12
Yeast Extract 10,0
Iron(III) Citrate 0,5
Casein Peptone 15,0
Agar 13,90
pH: 7,0±0,2

Order code	Package	Units/Box st.
444125.0922	30 dishes	

TBA Agar (ISO 9308-1:2000) (Prepared Plate (Ø 55 mm) and filter) CULTIMED

Selective culture media for the determination and the enumeration of E.coli according to ISO 9308-1:2000

NC: 3821 00 00

Composition (g/l):

Tryptone 17,0
Peptone 3,0
Bile Salts 1,5
Agar 15,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
426262.0922	30 dishes and filters	

TBA Agar (ISO 9308-1:2000) (Prepared Plate (Ø 55 mm)) CULTIMED

Selective culture media for the determination and the enumeration of E.coli according to ISO 9308-1:2000

NC: 3821 00 00

Composition (g/l):
Tryptone....17,0
Peptone....3,0
Bile Salts....1,5
Agar....15,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
446262.0922	30 dishes	

Tergitol 7 Agar (Chapman TTC modified) (ISO 9308-1:2000) (Prepared Plate (Ø 55 mm) and filter) CULTIMED

Culture media for the detection and enumeration of total and faecal Coliforms in water by the membrane filter method.

NC: 3821 00 00

Composition (g/l):
Bromothymol Blue....0,05
Yeast Extract....6,0
Meat Extract....5,0
Lactose....20,0
Peptone....10,0
Sodium Heptadecyl Sulphate....0,1
2,3,5-Triphenyl-2H-Tetrazolium Chloride....0,025
Agar....17,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
424955.0922	30 dishes and filters	

Tergitol 7 Agar (Chapman TTC modified) (ISO 9308-1:2000) (Prepared Plate (Ø 55 mm)) CULTIMED

Culture media for the detection and enumeration of total and faecal Coliforms in water by the membrane filter method.

NC: 3821 00 00

Composition (g/l):
Bromothymol Blue....0,05
Yeast Extract....6,0
Meat Extract....5,0
Lactose....20,0
Peptone....10,0
Sodium Heptadecyl Sulphate....0,1
2,3,5-Triphenyl-2H-Tetrazolium Chloride....0,025
Agar....17,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
444955.0922	30 dishes	

Tryptone Yeast Extract Agar (ISO 6222:1999) (Prepared Plate (Ø 55 mm) and filter) CULTIMED

Media for the enumeration of microorganism in water according to ISO 6222:1999.

NC: 3821 00 00

Composition (g/l):
Yeast Extract....3,0
Tryptone....6,0
Agar....15,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
426106.0922	30 dishes and filters	

Tryptone Yeast Extract Agar (ISO 6222:1999) (Prepared Plate (Ø 55 mm)) CULTIMED

Media for the enumeration of microorganism in water according to ISO 6222:1999.

NC: 3821 00 00

Composition (g/l):
Yeast Extract....3,0
Tryptone....6,0
Agar....15,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
446106.0922	30 dishes	

TSC Agar (Prepared Plate (Ø 55 mm)) CULTIMED

Culture media for the detection and enumeration of Clostridium perfringens and other anaerobics in water, foods and other materials.

NC: 3821 00 00

Composition (g/l):
Yeast Extract....5,0
Iron(III) Citrate....1,0
Soy Peptone....5,0
Sodium Disulphite....1,0
Tryptose....15,0
Cycloserine....0,4
Agar....14,0
pH: 7,6±0,2

Order code	Package	Units/Box st.
445576.0922	30 dishes	

CONTACT PLATES FOR HYGIENE SURFACE CONTROL

Baird-Parker Agar (Ph. Eur.) (Contact Plate) CULTIMED

Selective culture media for the determination and the enumeration of Staphylococci.

NC: 3821 00 00

Composition (g/l):
Egg-Yolk Emulsion....47,0
Meat Extract....5,0
Yeast Extract....1,0
Glycine....12,0
Lithium Chloride....5,0
Potassium Tellurite....0,1
Sodium Pyruvate....10,0
Tryptone....10,0
Agar....20,5
pH: 7,2±0,2

Order code	Package	Units/Box st.
433744.0922	30 dishes	

Cetrimide Agar (Ph. Eur.) (Contact Plate) CULTIMED

Culture media for the enumeration of Pseudomonas aeruginosa.

NC: 3821 00 00

Composition (g/l):
Cetrimide....0,3
Glycerol....10,0
Magnesium Chloride....1,4
Gelatine Peptone....20,0
Potassium Sulphate....10,0
Agar....20,5
pH: 7,2±0,2

Order code	Package	Units/Box st.
436256.0922	30 dishes	

Mannitol Salt Agar (Contact Plate) CULTIMED

Media for cultivation and enumeration of Staphylococci.

NC: 3821 00 00

Composition (g/l):
Sodium Chloride....75,0
D(-)-Mannitol....10,0
Meat Extract....5,0
Yeast Extract....2,0
Phenol Red....0,025
Tryptone....10,0
Agar....20,5
pH: 7,4±0,2

Order code	Package	Units/Box st.
433783.0922	30 dishes	

Plate Count Agar (PCA) (ISO 4833:2003) (Contact Plate) CULTIMED

Culture media for the enumeration of microorganisms in food, water and other materials.

NC: 3821 00 00

Composition (g/l):
Yeast Extract....2,5
D(+)-Glucose....1,0
Tryptone....5,0
Agar....20,5
pH: 7,0±0,2

Order code	Package	Units/Box st.
433799.0922	30 dishes	

Rose Bengal Chloramphenicol Agar (Contact Plate) CULTIMED

Culture media for the enumeration and isolation of yeast and fungi.

NC: 3821 00 00

Composition (g/l):

Rose Bengal	0,05
Chloramphenicol	0,1
D(+)-Glucose	10,0
Magnesium Sulphate	0,5
Peptone	5,0
Potassium di-Hydrogen Phosphate	1,0
Agar	20,5

pH: 7,0±0,2

Order code	Package	Units/Box st.
434855.0922	30 dishes	

Sabouraud Glucose Agar (Contact Plate) CULTIMED

Media for the cultivation and enumeration of a wide variety of fungi and yeasts.

NC: 3821 00 00

Composition (g/l):

D(+)-Glucose	40,0
Peptone	10,0
Agar	20,5

pH: 5,6±0,2

Order code	Package	Units/Box st.
433802.0922	30 dishes	

Sabouraud Glucose Agar+Chloramphenicol (Ph. Eur.) (Contact Plate) CULTIMED

Media for the cultivation and enumeration of a wide variety of fungi and yeasts.

NC: 3821 00 00

Composition (g/l):

D(+)-Glucose	40,0
Chloramphenicol	0,05
Peptones Mixture	10,0
Agar	20,5

pH: 5,6±0,2

Order code	Package	Units/Box st.
433842.0922	30 dishes	

Tryptone Soy Agar (TSA) (Ph. Eur.) (Contact Plate) CULTIMED

Media for the cultivation and maintenance of a wide variety of microorganisms.

NC: 3821 00 00

Composition (g/l):

Soy Peptone	5,0
Casein Peptone	15,0
Sodium Chloride	5,0
Agar	20,5

pH: 7,3±0,2

Order code	Package	Units/Box st.
433819.0922	30 dishes	

TSA-Tween-Lecithin-Agar (Contact Plate) CULTIMED

Recommended culture media for the detection and enumeration of a wide variety of microorganisms. The presence of Lecithin and Tween neutralizes the antimicrobial activity, thus permitting the detection of pathogens on surfaces containing: Aldehydes, phenolic derivatives or quaternary ammonium salts.

NC: 3821 00 00

Composition (g/l):

Polysorbate 80	5,0
Lecithin	0,7
Histidine	1,0
Casein Peptone	15,0
Soy Peptone	5,0
Sodium Chloride	5,0
Sodium Thiosulphate	0,5
Agar	20,5

pH: 7,3±0,2

Order code	Package	Units/Box st.
435095.0922	30 dishes	

Violet Red Bile Glucose Agar (VRBG) (Ph. Eur.) (Contact Plate) CULTIMED

Culture media for the enumeration of Enterobacteriaceae.

NC: 3821 00 00

Composition (g/l):

Bile Salts Mixture	1,5
Crystal Violet	0,002
Neutral Red	0,03
D(+)-Glucose	10,0
Yeast Extract	3,0
Gelatine Peptone	7,0
Sodium Chloride	5,0
Agar	20,5

pH: 7,4±0,2

Order code	Package	Units/Box st.
433745.0922	30 dishes	

Violet Red Bile Lactose Agar (VRBL) (Contact Plate) CULTIMED

Culture media for the detection and enumeration of Coliforms.

NC: 3821 00 00

Composition (g/l):

Bile Salts Mixture	1,5
Crystal Violet	0,002
Neutral Red	0,03
Lactose	10,0
Yeast Extract	3,0
Meat Peptone	7,0
Sodium Chloride	5,0
Agar	15,0

pH: 7,4±0,2

Order code	Package	Units/Box st.
433746.0922	30 dishes	

PREPARED PLATES (Ø 90 mm)

Bacillus Cereus according to Mossel Agar Base (Prepared Plate (Ø 90 mm)) CULTIMED

Culture media for the enumeration and isolation of Bacillus Cereus according Mossel

NC: 3821 00 00

Composition (g/l):

Phenol Red	0,025
D(-)-Mannitol	10,0
Polymyxin B	0,1
Casein Peptone	10,0
Egg Yolk Emulsion	100
Meat Extract	1,0
Sodium Chloride	10,0
Agar	12,0

pH: 7,1±0,2

Order code	Package	Units/Box st.
456271.0922	20 dishes	

Baird-Parker Agar (Ph. Eur.) (Prepared Plate (Ø 90 mm)) CULTIMED

Selective culture media for the determination and the enumeration of Staphylococci.

NC: 3821 00 00

Composition (g/l):

Egg Yolk Emulsion	47,0
Meat Extract	5,0
Yeast Extract	1,0
Glycine	12,0
Lithium Chloride	5,0
Potassium Tellurite	0,1
Sodium Pyruvate	10,0
Tryptone	10,0
Agar	20,0

pH: 7,2±0,2

Order code	Package	Units/Box st.
453744.0922	20 dishes	

BCYE without Cysteine Agar (ISO 11731) (Prepared Plate (Ø 90 mm)) CULTIMED

Culture media for the cultivation and isolation of Legionella.

NC: 3821 00 00

Composition (g/l):

ACES	10,0
Charcoal Activated	2,0
Yeast Extract	10,0
Iron Pyrophosphate	0,25
α-Ketoglutarate	1,0
Potassium Hydroxide	2,8
Agar	15,0

pH: 6,9±0,2

Order code	Package	Units/Box st.
456267.0922	20 dishes	

BCYEx Agar (ISO 11731:1998) (Prepared Plate (Ø 90 mm)) CULTIMED

Culture media for the cultivation and isolation of Legionella.

NC: 3821 00 00

Composition (g/l):

ACES	10,0
Charcoal Activated	2,0
L-Cysteine mono-Hydrochloride	0,4
Yeast Extract	10,0
Iron Pyrophosphate	0,25
α-Ketoglutarate	1,0
Potassium Hydroxide	2,8
Agar	15,0

pH: 6,9±0,2

Order code	Package	Units/Box st.
456266.0922	20 dishes	

Bile Esculin Azide Agar (ISO 7899-2:2000) (Prepared Plate (Ø 90 mm)) CULTIMED

Culture media for the presumptive identification of Enterococci

NC: 3821 00 00

HAZARDOUS:

Xn **R: 22-52/53 S: 45-61**

Composition (g/l):

Ox Bile	10,0
Esculin	1,0
Sodium Azide	0,15
Yeast Extract	5,0
Iron(III) Citrate	0,5
Peptone	3,0
Sodium Chloride	5,0
Tryptone	17,0
Agar	15,0

pH: 7,1±0,2

Order code	Package	Units/Box st.
455523.0922	20 dishes	

Brilliant Green Agar (Ph. Eur.) (Prepared Plate (Ø 90 mm)) CULTIMED

Culture media for the isolation of Salmonella

NC: 3821 00 00

Composition (g/l):

Brilliant Green	0,0125
Yeast Extract	3,0
Lactose	10,0
Meat Peptone	5,0
Casein Peptone	5,0
Phenol Red	0,08
Saccharose	10,0
Sodium Chloride	5,0
Agar	15,0

pH: 6,9±0,2

Order code	Package	Units/Box st.
453823.0922	20 dishes	

Cetrimide Agar (Ph. Eur.) (Prepared Plate (Ø 90 mm)) CULTIMED

Culture media for the enumeration of Pseudomonas aeruginosa.

NC: 3821 00 00

Composition (g/l):

Cetrimide	0,3
Glycerol	10,0
Magnesium Chloride	1,4
Gelatine Peptone	20,0
Potassium Sulphate	10,0
Agar	13,0

pH: 7,2±0,2

Order code	Package	Units/Box st.
456256.0922	20 dishes	

EMB Agar acc. to Levine (Prepared Plate (Ø 90 mm)) CULTIMED

Culture media for the detection and differentiation of enteric bacilli and Coliform microorganisms.

NC: 3821 00 00

Composition (g/l):

Eosin Yellowish	0,4
Methylene Blue	0,065
Lactose	10,0
Gelatine Peptone	10,0
di-Potassium Hydrogen Phosphate	2,0
Agar	15,0

pH: 7,1±0,2

Order code	Package	Units/Box st.
453763.0922	20 dishes	

Hektoen Enteric Agar (Prepared Plate (Ø 90 mm)) CULTIMED

Culture media for the isolation and differentiation of Enterobacteriaceae pathogens in various materials. It is indicated for the differentiation of Salmonella and Shigella.

NC: 3821 00 00

Composition (g/l):

Ammonium Iron(III) Citrate	1,5
Bromothymol Blue	0,05
Yeast Extract	3,0
Fuchsin Acid	0,08
Lactose	14,0
Meat Peptone	15,0
Saccharose	14,0
Bile Salts	2,0
D(-)-Salicin	2,0
Sodium Chloride	5,0
Sodium Thiosulphate	5,0
Agar	13,5

pH: 7,6±0,2

Order code	Package	Units/Box st.
453768.0922	20 dishes	

Legionella Selective Agar (ISO 11731:1998) (Prepared Plate (Ø 90 mm)) CULTIMED

Media for the cultivation and isolation of Legionella species from clinical and nonclinical samples.

NC: 3821 00 00

Composition (g/l):

ACES Buffer	10,0
Charcoal Activated	2,0
Cycloheximide	0,08
L-Cysteine Chloride	0,4
Yeast Extract	10,0
Glycine	3,0
Iron Pyrophosphate	0,25
α-Ketoglutarate	1,0
Polymyxin B Sulphate	80.000 IU
Potassium Hydroxide	2,8
Vancomycin	0,001
Agar	16,0

pH: 6,9±0,2

Order code	Package	Units/Box st.
455378.0922	20 dishes	

MacConkey Agar (Ph. Eur.) (Prepared Plate (Ø 90 mm)) CULTIMED

Culture media for the study of Coliforms organisms.

NC: 3821 00 00

Composition (g/l):

Lactose	10,0
Peptone	20,0
Neutral Red	0,03
Bile Salts nº 3	1,5
Sodium Chloride	5,0
Crystal Violet	0,001
Agar	15,0

pH: 7,1±0,2

Order code	Package	Units/Box st.
453779.0922	20 dishes	

MacConkey Sorbitol Agar (Prepared Plate (Ø 90 mm)) CULTIMED

Selective culture media used in the E. coli investigation

NC: 3821 00 00

Composition (g/l):

D-Sorbitol	10,0
Peptone	20,0
Bile Salts n. 3	1,5
Neutral Red	0,03
Sodium Chloride	5,0
Crystal Violet	0,001
Cefixime	0,00005
Potassium Tellurite	0,0025
Agar	15,0

pH: 7,1±0,2

Order code	Package	Units/Box st.
455641.0922	20 dishes	

Mannitol Salt Agar (Prepared Plate (Ø 90 mm)) CULTIMED

Media for cultivation and enumeration of Staphylococci.

NC: 3821 00 00

Composition (g/l):

Sodium Chloride	75,0
D(-)-Mannitol	10,0
Meat Extract	5,0
Yeast Extract	2,0
Phenol Red	0,025
Tryptone	10,0
Agar	14,0

pH: 7,4±0,2

Order code	Package	Units/Box st.
453783.0922	20 dishes	

Nutrient Agar (Prepared Plate (Ø 90 mm)) CULTIMED

Media for the cultivation of a wide variety of bacteria and for enumeration of organisms in water, feces and other materials.

NC: 3821 00 00

Composition (g/l):

Meat Extract	3,0
Meat Peptone	5,0
Agar	12,0

pH: 7,0±0,2

Order code	Package	Units/Box st.
453792.0922	20 dishes	

OGYE Agar (Prepared Plate (Ø 90 mm)) CULTIMED

Media for the isolation, enumeration and cultivation of yeast and fungi

NC: 3821 00 00

Composition (g/l):

Oxytetracycline	0,1
Gentamicine	0,05
Yeast Extract	5,0
Biotin	0,0001
D(+)-Glucose	20,0
Agar	15,0

pH: 7,1±0,2

Order code	Package	Units/Box st.
456082.0922	20 dishes	

PALCAM Agar (ISO 11290-1:1996) (Prepared Plate (Ø 90 mm)) CULTIMED

Media for the selective isolation, cultivation and differentiation of Listeria monocytogenes and other Listeria species from foods.

NC: 3821 00 00

HAZARDOUS:

Xi

R: 36/38

Composition (g/l):

Polymyxin B Sulphate	0,01
Acriflavine Chloride	0,005
Lithium Chloride	15,0
Ceftazidim	0,02
Esculin	0,8
D(-)-Mannitol	10,0
D(+)-Glucose	0,5
Starch	1,0
Ammonium Iron(III) Citrate	0,5
Peptone	23,0
Yeast Extract	3,0
Phenol Red	0,08
Sodium Chloride	5,0
Agar	13,0

pH: 7,2±0,2

Order code	Package	Units/Box st.
455380.0922	20 dishes	

Plate Count Agar (ISO 4833:2003) (Prepared Plate (Ø 90 mm)) CULTIMED

Culture media for the enumeration of microorganisms in food, water and other materials.

NC: 3821 00 00

Composition (g/l):

Yeast Extract	2,5
D(+)-Glucose	1,0
Casein Peptone	5,0
Agar	15,0

pH: 7,1±0,2

Order code	Package	Units/Box st.
453799.0922	20 dishes	

Rose Bengal Chloramphenicol Agar (Prepared Plate (Ø 90 mm)) CULTIMED

Culture media for the enumeration and isolation of yeast and fungi.

NC: 3821 00 00

Composition (g/l):

Rose Bengal	0,05
Chloramphenicol	0,1
D(+)-Glucose	10,0
Magnesium Sulphate	0,5
Peptone	5,0
Potassium di-Hydrogen Phosphate	1,0
Agar	15,5

pH: 7,0±0,2

Order code	Package	Units/Box st.
454855.0922	20 dishes	

Sabouraud Glucose Agar (Prepared Plate (Ø 90 mm)) CULTIMED

Media for the cultivation and enumeration of a wide variety of fungi and yeasts.

NC: 3821 00 00

Composition (g/l):

D(+)-Glucose	40,0
Peptone	10,0
Agar	15,0

pH: 5,6±0,2

Order code	Package	Units/Box st.
453802.0922	20 dishes	

Sabouraud Glucose Agar+Chloramphenicol (Ph. Eur.) (Prepared Plate (Ø 90 mm)) CULTIMED

Media for the cultivation and enumeration of a wide variety of fungi and yeasts.

NC: 3821 00 00

Composition (g/l):

D(+)-Glucose	40,0
Chloramphenicol	0,05
Peptones Mixture	10,0
Agar	15,0

pH: 5,6±0,2

Order code	Package	Units/Box st.
453842.0922	20 dishes	

Sabouraud Glucose Agar+Chloramphenicol (Ph. Eur.) (irradiated) (Prepared Plate (Ø 90 mm)) CULTIMED

Media for the cultivation and enumeration of a wide variety of fungi and yeasts.

NC: 3821 00 00

Composition (g/l):

D(+)-Glucose	40,0
Chloramphenicol	0,05
Mycological Peptone	10,0
Agar	15,0

pH: 5,6±0,2

Order code	Package	Units/Box st.
456213.0922	20 dishes	

Salmonella Shigella Agar (Prepared Plate (Ø 90 mm)) CULTIMED

Selective medium for the isolation of Shigella and Salmonella.

NC: 3821 00 00

Composition (g/l):

Ammonium Iron(III) Citrate	1,0
Ox Bile	8,5
Lactose	10,0
Peptone	10,0
Neutral Red	0,025
tri-Sodium Citrate	10,0
Sodium Thiosulphate	8,5
Brilliant Green	0,0003
Agar	12,0

pH: 7,0±0,2

Order code	Package	Units/Box st.
453805.0922	20 dishes	

Para bioquímica
For biochemistry
Pour biochimie

PB

Reactivos sometidos a ensayos adicionales que los hacen aptos para su uso en técnicas bioquímicas.
Chemicals assayed with additional tests which guarantees their aptitude for biochemical techniques.
Réactifs testés et aptes pour utilisation en biochimie.

Slanetz Bartley Medium (Prepared Plate (Ø 90 mm)) CULTIMED

Culture media for the detection and enumeration of Enterococci in water and foods.

NC: 3821 00 00

HAZARDOUS:

Xn R: 22 S: 45

Composition (g/l):
Yeast Extract 5,0
D(+)-Glucose 2,0
Casein Peptone 15,0
Soy Peptone 5,0
di-Potassium Hydrogen Phosphate 4,0
Sodium Azide 0,4
2,3,5-Triphenyl-2H-Tetrazolium Chloride 0,1
Agar 10,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
453812.0922	20 dishes	

SPS Agar (Prepared Plate (Ø 90 mm)) CULTIMED

Culture media for the detection and enumeration of sulphite-reducing clostridia in food and other materials.

NC: 3821 00 00

Composition (g/l):
Sodium Sulphite 0,5
Polymyxin B Sulphate 0,01
Sodium Sulfadiazine 0,12
Yeast Extract 10,0
Iron(III) Citrate 0,5
Casein Peptone 15,0
Agar 13,90
pH: 7,0±0,2

Order code	Package	Units/Box st.
454125.0922	20 dishes	

Tergitol 7 Agar (Chapman TTC modified) (Prepared Plate (Ø 90 mm)) CULTIMED

Culture media for the detection and enumeration of total and faecal Coliforms in water by the membrane filter method.

NC: 3821 00 00

Composition (g/l):
Bromothymol Blue 0,03
Yeast Extract 3,0
Lactose 10,0
Peptone 5,0
Sodium Heptadecyl Sulphate 0,1
2,3,5-Triphenyl-2H-Tetrazolium Chloride 0,04
Agar 15,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
454955.0922	20 dishes	

Tryptone Soy Agar (TSA) (Ph. Eur.) (Prepared Plate (Ø 90 mm)) CULTIMED

Media for the cultivation and maintenance of a wide variety of microorganisms.

NC: 3821 00 00

Composition (g/l):
Soy Peptone 5,0
Casein Peptone 15,0
Sodium Chloride 5,0
Agar 15,0
pH: 7,3±0,2

Order code	Package	Units/Box st.
453819.0922	20 dishes	

TSA-Tween-Lecithin-Agar (Prepared Plate (Ø 90 mm)) CULTIMED

Recommended culture media for the detection and enumeration of a wide variety of microorganisms. The presence of Lecithin and Tween neutralizes the antimicrobial activity, thus permitting the detection of pathogens on surfaces containing: Aldehydes, phenolic derivatives or quaternary ammonium salts.

NC: 3821 00 00

Composition (g/l):
Polysorbate 80 5,0
Lecithin 0,7
Histidine 1,0
Casein Peptone 15,0
Soy Peptone 5,0
Sodium Chloride 5,0
Sodium Thiosulphate 0,5
Agar 15,0
pH: 7,3±0,2

Order code	Package	Units/Box st.
455095.0922	20 dishes	

Violet Red Bile Glucose Agar (VRBG) (Ph. Eur.) (Prepared Plate (Ø 90 mm)) CULTIMED

Culture media for the cultivation and enumeration of Enterobacteriaceae.

NC: 3821 00 00

Composition (g/l):
Bile Salts Mixture 1,5
Crystal Violet 0,002
Neutral Red 0,03
D(+)-Glucose 10,0
Yeast Extract 3,0
Gelatine Peptone 7,0
Sodium Chloride 5,0
Agar 13,0
pH: 7,4±0,2

Order code	Package	Units/Box st.
453745.0922	20 dishes	

Violet Red Bile Lactose Agar (VRBL) (Prepared Plate (Ø 90 mm)) CULTIMED

Selective and differential media for the detection and enumeration of Coliforms in milk and dairy products. Also it is used in water and foodstuffs.

NC: 3821 00 00

Composition (g/l):
Bile Salts Mixture 1,5
Crystal Violet 0,002
Neutral Red 0,03
Lactose 10,0
Yeast Extract 3,0
Gelatine Peptone 7,0
Sodium Chloride 5,0
Agar 12,0
pH: 7,4±0,2

Order code	Package	Units/Box st.
453746.0922	20 dishes	

Violet Red Bile Lactose and Glucose Agar (VRBLG) (Ph. Eur.) (Prepared Plate (Ø 90 mm)) CULTIMED

Culture media for the enumeration of Enterobacteriaceae according Ph Eur.

NC: 3821 00 00

Composition (g/l):
Yeast Extract 3,0
Gelatin Peptone 7,0
Bile Salts Mixture 1,5
D(+)-Glucose 10,0
Lactose 10,0
Sodium Chloride 5,0
Neutral Red 0,03
Crystal Violet 0,002
Agar 15,0
pH: 7,4±0,2

Order code	Package	Units/Box st.
456255.0922	20 dishes	

XLD Medium (Ph. Eur.) (Prepared Plate (Ø 90 mm)) CULTIMED

Culture media for the isolation of pathogenic Enterobacteriaceae, specially Salmonella and Shigella.

NC: 3821 00 00

Composition (g/l):
Ammonium Iron(III) Citrate 0,8
Yeast Extract 3,0
Lactose 7,5
L-Lysine 5,0
Phenol Red 0,08
Saccharose 7,5
Sodium Chloride 5,0
Sodium Desoxycholate 2,5
Sodium Thiosulphate 6,8
D(+)-Xylose 3,5
Agar 13,5
pH: 7,4±0,2

Order code	Package	Units/Box st.
453826.0922	20 dishes	

PREPARED TUBES

Bile Esculin Azide Agar (ISO 7899-2:2000) (Prepared Tubes) CULTIMED

Culture media for the presumptive identification of Enterococci

NC: 3821 00 00

HAZARDOUS:

Xn R: 22-52/53 S: 45-61

Composition (g/l):
Ox Bile 10,0
Esculin 1,0
Sodium Azide 0,15
Yeast Extract 5,0
Iron(III) Citrate 0,5
Peptone 3,0
Sodium Chloride 5,0
Tryptone 17,0
Agar 15,0
pH:7,1±0,2

Order code	Package	Units/Box st.
465523.0922	15 tubes	

Brilliant Green Bile 2% Broth (Prepared Tubes) CULTIMED

Culture media for the detection and enumeration of Coliforms in materials of sanitary significance.

NC: 3821 00 00

Composition (g/l):
Ox Bile, Dehydrated 20,0
Brilliant Green 0,0133
Lactose 10,0
Peptone 10,0
pH: 7,4±0,2

Order code	Package	Units/Box st.
463748.0922	20 tubes with bell	

Brilliant Green Bile 2% Broth (2X) (Prepared Tubes) CULTIMED

Culture media for the detection and enumeration of Coliforms in materials of sanitary significance.

NC: 3821 00 00

Composition (g/l):
Ox Bile, Dehydrated 40,0
Brilliant Green 0,0266
Lactose 20,0
Peptone 20,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
465447.0922	15 tubes with bell	

Buffered Peptone Water (ISO 6579:2002) (Prepared Tubes) CULTIMED

Diluent agent to homogenize samples in microbiological analysis of foodstuffs.

NC: 3821 00 00

Composition (g/l):
Casein Peptone 10,0
Sodium Chloride 5,0
di-Sodium Phosphate 12-hydrate 9,0
mono-Potassium Phosphate 1,5
pH: 7,0±0,2

Order code	Package	Units/Box st.
463795.0922	20 tubes	

Buffered Sodium Chloride-Peptone solution (BP, Ph. Eur.) (Prepared Tubes) CULTIMED

Diluent agent to homogenize samples in microbiological analysis of foodstuffs.

NC: 3504 00 00

Composition (g/l):
Peptone 1,00
Potassium di-Hydrogen Phosphate 3,56
Sodium Chloride 4,30
di-Sodium Hydrogen Phosphate 7,23
pH: 7,0±0,2

Order code	Package	Units/Box st.
464944.0922	20 tubes	

EC Medium (Prepared Tubes) CULTIMED

Culture media for the cultivation and differentiation of Coliform bacterias and of Escherichia coli in water, foods and other specimens.

NC: 3821 00 00

Composition (g/l):
Lactose 5,0
Casein Peptone 20,0
Potassium di-Hydrogen Phosphate 1,5
di-Potassium Hydrogen Phosphate 4,0
Bile Salts 1,5
Sodium Chloride 5,0
pH: 6,9±0,2

Order code	Package	Units/Box st.
463761.0922	20 tubes with bell	

EE Broth (Ph. Eur.) (Prepared Tubes) CULTIMED

Culture media used for the enrichment of Enterobacteria.

NC: 3821 00 00

Composition (g/l):
Ox bile 20,0
D(+)-Glucose 5,0
Gelatine Peptone 10,0
Potassium di-Hydrogen Phosphate 2,0
di-Sodium Hydrogen Phosphate 8,0
Brilliant Green 0,015
pH: 7,3±0,2

Order code	Package	Units/Box st.
463829.0922	20 tubes	

Giolitti-Cantoni Broth (Prepared Tubes) CULTIMED

Culture media for the detection of Staphylococcus aureus in food samples.

NC: 3821 00 00

Composition (g/l):
Meat Extract 5,0
Yeast Extract 5,0
Glycine 1,2
Lithium Chloride 5,0
D(-)-Mannitol 20,0
Casein Peptone 10,0
Potassium Tellurite 0,052
Sodium Chloride 5,0
Sodium Pyruvate 3,0
pH: 7,1±0,2

Order code	Package	Units/Box st.
463765.0922	15 tubes	

Kanamycin Esculin Azide Broth (CeNAN) (Prepared Tubes) CULTIMED

Media for the isolation, cultivation, enumeration and confirmation of Enterococci from foods, water and other biological specimens.

NC: 3821 00 00

HAZARDOUS:

Xn R: 22-52 S: 45

Composition (g/l):
Kanamycin Sulphate 0,02
Esculin 1,0
Sodium Azide 0,15
Ammonium Iron(III) Citrate 0,5
Yeast Extract 5,0
Sodium Chloride 5,0
di-Sodium Hydrogen Citrate 1,0
Tryptone 20,0
pH: 7,1±0,2

Order code	Package	Units/Box st.
464695.0922	20 tubes	

Kligler Iron Agar (Prepared Tubes) CULTIMED

Media for the differentiation and identification of Gram-negative enteric bacilli based on sugar fermentation (glucose and lactose) and Hydrogen Sulphide production.

NC: 3821 00 00

Composition (g/l):
Iron(III) Citrate 0,3
Meat Extract 3,0
Yeast Extract 3,0
D(+)-Glucose 1,0
Lactose 10,0
Peptone 20,0
Phenol Red 0,05
Sodium Chloride 5,0
Sodium Thiosulphate 0,3
Agar 12,0
pH: 7,4±0,2

Order code	Package	Units/Box st.
463769.0922	20 tubes	

Lactosed Broth (Ph. Eur.) (Prepared Tubes) CULTIMED

Medium for the detection of Coliforms, specially E.coli, and other lactose-fermenters, in water, milk and food specimens.

NC: 3821 00 00

Composition (g/l):

Lactose....5,0
Meat Extract....3,0
Gelatine Peptone....5,0
pH: 6,9±0,2

Order code	Package	Units/Box st.
463776.0922	20 tubes with bell	

Lactose Sulphite, Medium (Ph. Eur.) (Prepared Tubes) CULTIMED

Media for the presumptive test for Clostridium according to Ph. Eur.

NC: 3821 00 00

Composition (g/l):

Lactose....10,0
Sodium meta-Bisulphite....0,7
Tryptone....5,0
Yeast Extract....2,5
Sodium Chloride....2,5
L-Cystein....0,3
Ammonium Iron(III) Citrate....0,5
pH: 7,1±0,2

Order code	Package	Units/Box st.
466254.0922	20 tubes with bell	

Lauryl Tryptose Broth (Prepared Tubes) CULTIMED

Culture media for the enumeration and detection of Coliforms in water, milk and other food products.

NC: 3821 00 00

Composition (g/l):

Sodium Dodecyl Sulphate....0,10
Tryptose....20,0
Lactose....5,0
Potassium di-Hydrogen Phosphate....2,75
di-Potassium Hydrogen Phosphate....2,75
Sodium Chloride....5,0
pH: 6,8±0,2

Order code	Package	Units/Box st.
463827.0922	20 tubes with bell	

Lauryl Tryptose Broth (2X) (Prepared Tubes) CULTIMED

Culture media for the enumeration and detection of Coliforms in water, milk and other food products.

NC: 3821 00 00

Composition (g/l):

Sodium Dodecyl Sulphate....0,20
Tryptose....40,0
Lactose....10,0
Potassium di-Hydrogen Phosphate....5,5
di-Potassium Hydrogen Phosphate....5,5
Sodium Chloride....10,0
pH: 6,8±0,2

Order code	Package	Units/Box st.
465445.0922	15 tubes with bell	

Letheen Broth (Prepared Tubes) CULTIMED

Culture media for the determination of the antimicrobial activity of quaternary ammonium compounds.

NC: 3821 00 00

Composition (g/l):

Meat Extract....5,0
Yeast Extract....2,0
Lecithin....0,7
Casein Peptone....15,0
Meat Peptone....10,0
Sodium Chloride....10,0
Sodium Bisulphite....0,1
Tween....5,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
465382.0922	20 tubes	

Fraser Listeria Broth (ISO 11290-1:1996) (Prepared Tubes) CULTIMED

Culture media for secondary enrichment of Listeria monocytogenes

NC: 3821 00 00

Composition (g/l):

Esculin....1,0
Yeast Extract....5,0
Lithium Chloride....3,0
Potassium di-Hydrogen Phosphate....1,35
Meat Peptone....5,0
Sodium Chloride....20,0
di-Sodium Phosphate....12,0
Tryptone....5,0
Meat Extrat....5,0
Ammonium Iron(III) Citrate....0,5
Nalidixic Acid....0,02
Acryflavine....0,025
pH: 7,1±0,2

Order code	Package	Units/Box st.
466268.0922	20 tubes	

Fraser 1/2 Listeria Broth (ISO 11290-1:1996) (Prepared Tubes) CULTIMED

Culture media for primary enrichment of Listeria monocytogenes

NC: 3821 00 00

Composition (g/l):

Meat Peptone....5,0
Casein Peptone....5,0
Yeast Extract....5,0
Meat Extract....5,0
Sodium Chloride....20,0
di-Sodium Phosphate....12,0
Monopotassium Phosphate....1,35
Esculin....1,0
Lithium Chloride....3,0
Ammonium Iron(III) Citrate....0,5
Nalidixic Acid....0,01
Acryflavine....0,012
pH: 7,2±0,2

Order code	Package	Units/Box st.
466269.0922	20 tubes	

Lysine Iron Agar (Prepared Tubes) CULTIMED

Media for the cultivation and differentiation of Salmonella and Arizona, based on Lysine decarboxilation.

NC: 3821 00 00

Composition (g/l):

Iron(III) Citrate....0,5
L-Lysine....10,0
Yeast Extract....3,0
D(+)-Glucose....1,0
Peptone....5,0
Bromocresol Purple....0,02
Sodium Thiosulphate....0,04
Agar....12,0
pH: 6,7±0,2

Order code	Package	Units/Box st.
463770.0922	20 tubes	

O-F-M-I Broth (Prepared Tubes) CULTIMED

Culture media for the identification of Coliform and E.Coli

NC: 3821 00 00

Composition (g/l):

Tryptone....5,0
Sodium Chloride....5,0
Sorbitol....1,0
Tryptophan....1,0
Sodium Laurylsulphate....0,1
Potassium di-Hydrogen Phosphate....2,0
di-Potassium Hydrogen Phosphate....2,7
X-Gal....0,08
MUG....0,05
IPTG....0,1
pH: 6,8±0,2

Order code	Package	Units/Box st.
466258.0922	20 tubes	

DC

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PALCAM Broth (Prepared Tubes) CULTIMED

Culture media for the selective enrichment of Listeria.

NC: 3821 00 00

Composition (g/l):

Polymyxin B Sulphate	0,01
Acriflavine Chloride	0,005
Lithium Chloride	10,0
Ceftazidim	0,02
Esculin	0,8
D(-)-Mannitol	5,0
Ammonium Iron(III) Citrate	0,5
Peptone	23,0
Phenol Red	0,08
Yeast Extract	5,0
Soy Lecithin	1,0
Tween 80	2,0

pH: 7,4±0,2

Order code	Package	Units/Box st.
465383.0922	20 tubes	

Peptone Water (Prepared Tubes) CULTIMED

Media for the cultivation of nonfastidious microorganisms, for the carbohydrate fermentation test and to carry out the Indole test.

NC: 3821 00 00

Composition (g/l):

Casein Peptone	10,0
Sodium Chloride	5,0

pH: 7,2±0,2

Order code	Package	Units/Box st.
463794.0922	20 tubes	

Plate Count Agar (ISO 4833:2003) (Prepared Tubes) CULTIMED

Culture media for the enumeration of microorganisms in food, water and other materials.

NC: 3821 00 00

Composition (g/l):

Yeast Extract	2,5
D(+)-Glucose	1,0
Casein Peptone	5,0
Agar	15,0

pH: 7,1±0,2

Order code	Package	Units/Box st.
463799.0922	15 tubes	

Rappaport-Vassiliadis (RVS) Broth (Prepared Tubes) CULTIMED

Enrichment broth for Salmonella.

NC: 3821 00 00

Composition (g/l):

Magnesium Chloride anhydrous	13,58
Soy Peptone	4,5
Potassium di-Hydrogen Phosphate	1,26
di-Potassium Hydrogen Phosphate	0,18
Sodium Chloride	7,20
Malachite Green	0,036

pH: 5,2±0,2

Order code	Package	Units/Box st.
464959.0922	20 tubes	

Sabouraud Glucose Agar+Chloramphenicol (Ph. Eur.) (Prepared Tubes) CULTIMED

Media for the cultivation and enumeration of a wide variety of fungi and yeasts.

NC: 3821 00 00

Composition (g/l):

D(+)-Glucose	40,0
Chloramphenicol	0,05
Peptones Mixture	10,0
Agar	15,0

pH: 5,6±0,2

Order code	Package	Units/Box st.
463842.0922	20 tubes	

Selenite Cystine Broth (Prepared Tubes) CULTIMED

Media for the isolation and enrichment of Salmonella species from feces, food products and other specimens.

NC: 3821 00 00 UN: 3077

IMDG: 9/III ADR: 9/III IATA: 9/III PAX: 911 CAO: 911

HAZARDOUS:

Xn N **R: 20/22-33-51 S: 23c-45-61**

Composition (g/l):

Sodium Hydrogen Selenite	4,00
L(-)-Cystine	0,01
Lactose	4,00
tri-Sodium Phosphate	10,00
Tryptone	5,00

pH: 7,0±0,2

Order code	Package	Units/Box st.
463809.0922	20 tubes	

SPS Agar (Prepared Tubes) CULTIMED

Culture media for the detection and enumeration of sulphite-reducing clostridia in food and other materials.

NC: 3821 00 00

Composition (g/l):

Sodium Sulphite	0,5
Polymyxin B Sulphate	0,01
Sodium Sulfadiazine	0,12
Yeast Extract	10,0
Iron(III) Citrate	0,5
Casein Peptone	15,0
Agar	13,90

pH: 7,0±0,2

Order code	Package	Units/Box st.
464125.0922	20 tubes	

Thioglycollate Liquid Medium (Prepared Tubes) CULTIMED

Media for the cultivation of aerobic and anaerobic organisms in the performance of sterility tests of biological samples.

NC: 3821 00 00

Composition (g/l):

Sodium Thioglycollate	0,5
L-Cystine	0,5
Yeast Extract	5,0
D(+)-Glucose	5,5
Peptone	15,0
Resazurin	0,001
Sodium Chloride	2,5
Agar	0,75

pH: 7,1±0,2

Order code	Package	Units/Box st.
463912.0922	20 tubes	

Triple Sugar Iron Agar (Ph. Eur.) (Prepared Tubes) CULTIMED

Media for the differentiation of members of the Enterobacteriaceae based on their fermentation of glucose, lactose and/or saccharose and the production of H_2S.

NC: 3821 00 00

Composition (g/l):

Iron(III) Citrate	0,3
D(+)-Glucose	1,0
Lactose	10,0
Saccharose	10,0
Meat Extract	3,0
Yeast Extract	3,0
Peptone	20,0
Phenol Red	0,025
Sodium Chloride	5,0
Sodium Thiosulphate	0,3
Agar	12,0

pH: 7,4±0,2

Order code	Package	Units/Box st.
463771.0922	20 tubes	

Tryptone Soy Broth (TSB) (Ph. Eur.) (Prepared Tubes) CULTIMED

Media for the culture of a wide variety of microorganisms.

NC: 3821 00 00

Composition (g/l):

Soy Peptone	3,0
D(+)-Glucose	2,5
Casein Peptone	17,0
di-Potassium Hydrogen Phosphate	2,5
Sodium Chloride	5,0

pH: 7,3±0,2

Order code	Package	Units/Box st.
463820.0922	20 tubes	

Tryptone Yeast Extract Agar (ISO 6222:1999) (Prepared Tubes) CULTIMED

Media for the enumeration of microorganism in water according to ISO 6222:1999.

NC: 3821 00 00

Composition (g/l):

Yeast Extract	3,0
Tryptone	6,0
Agar	15,0

pH: 7,2±0,2

Order code	Package	Units/Box st.
466106.0922	20 tubes	

TSN Agar (Prepared Tubes) CULTIMED

Culture media for the isolation and enumeration of Clostridium perfringens.

NC: 3821 00 00

Composition (g/l):

Neomycin Sulphate	0,05
Sodium Sulphite	1,0
Yeast Extract	10,0
Iron(III) Citrate	0,5
Casein Peptone	15,0
Polymyxin B Sulphate	0,02
Agar	13,5

pH: 7,2±0,2

Order code	Package	Units/Box st.
463833.0922	20 tubes	

PREPARED BOTTLES

Baird-Parker Agar (Ph. Eur.) (Prepared Bottles) CULTIMED

Selective culture media for the determination and the enumeration of Staphylococci.

NC: 3821 00 00

Composition (g/l):

Meat Extract	5,0
Yeast Extract	1,0
Glycine	12,0
Lithium Chloride	5,0
Sodium Pyruvate	10,0
Tryptone	10,0
Agar	20,0

pH: 7,2±0,2

Order code	Package	Units/Box st.
493744.0922	10 x 90 ml	

Bile Esculin Azide Agar (ISO 7899-2:2000) (Prepared Bottles) CULTIMED

Culture media for the presumptive identification of Enterococci.

NC: 3821 00 00

HAZARDOUS:

Xn **R: 22-52/53 S: 45-61**

Composition (g/l):

Ox Bile	10,0
Esculin	1,0
Sodium Azide	0,15
Yeast Extract	5,0
Iron(III) Citrate	0,5
Peptone	3,0
Sodium Chloride	5,0
Tryptone	17,0
Agar	15,0

pH: 7,1±0,2

Order code	Package	Units/Box st.
495523.0922	10 x 100 ml	

Buffered Peptone Water (ISO 6579:2002) (Prepared Bottles) CULTIMED

Diluent agent to homogenize samples in microbiological analysis of foodstuffs.

NC: 3821 00 00

Composition (g/l):

Casein Peptone	10,0
Sodium Chloride	5,0
di-Sodium Phosphate 12-hydrate	9,0
mono-Potassium Phosphate	1,5

pH: 7,0±0,2

Order code	Package	Units/Box st.
493795.0922	10 x 100 ml	

Buffered Sodium Chloride-Peptone solution (BP, Ph. Eur.) (Prepared Bottles) CULTIMED

Diluent agent to homogenize samples in microbiological analysis of foodstuffs.

NC: 3504 00 00

Composition (g/l):

Casein Peptone	1,00
Potassium di-Hydrogen Phosphate	3,56
Sodium Chloride	4,30
di-Sodium Hydrogen Phosphate	7,23

pH: 7,0±0,2

Order code	Package	Units/Box st.
494944.0922	10 x 90 ml	

Cetrimide Agar (Ph. Eur.) (Prepared Bottles) CULTIMED

Culture media for the enumeration of Pseudomonas aeruginosa.

NC: 3821 00 00

Composition (g/l):

Cetrimide	0,3
Glycerol	10,0
Magnesium Chloride	1,4
Gelatine Peptone	20,0
Potassium Sulphate	10,0
Agar	13,0

pH: 7,2±0,2

Order code	Package	Units/Box st.
496256.0922	10 x 100 ml	

EE Broth (Ph. Eur.) (Prepared Bottles) CULTIMED

Culture media for the enrichment of Enterobacteria.

NC: 3821 00 00

Composition (g/l):

Ox bile	20,0
D(+)-Glucose	5,0
Gelatine Peptone	10,0
Potassium di-Hydrogen Phosphate	2,0
di-Sodium Hydrogen Phosphate	8,0
Brilliant Green	0,015

pH: 7,3±0,2

Order code	Package	Units/Box st.
493829.0922	10 x 100 ml	

Letheen Agar (Prepared Bottles) CULTIMED

Culture media for the determination of the antimicrobial activity of quaternary ammonium compounds.

NC: 3821 00 00

Composition (g/l):

Meat Extract	5,0
Yeast Extract	2,0
Lecithin	0,7
Casein Peptone	15,0
Meat Peptone	10,0
Sodium Chloride	10,0
Sodium Bisulphite	0,1
Tween	5,0
Agar	12,5

pH: 7,0±0,2

Order code	Package	Units/Box st.
495379.0922	10 x 100 ml	

Letheen Broth (Prepared Bottles) CULTIMED

Culture media for the determination of the antimicrobial activity of quaternary ammonium compounds.

NC: 3821 00 00

Composition (g/l):

Meat Extract	5,0
Yeast Extract	2,0
Lecithin	0,7
Casein Peptone	15,0
Meat Peptone	10,0
Sodium Chloride	10,0
Sodium Bisulphite	0,1
Tween	5,0

pH: 7,2±0,2

Order code	Package	Units/Box st.
495382.0922	10 x 100 ml	

Fraser 1/2 Listeria Broth (ISO 11290-1:1996) (Prepared Bottles) CULTIMED

Culture media for primary enrichment of Listeria monocytogenes

NC: 3821 00 00

Composition (g/l):

Esculin	1,0
Yeast Extract	5,0
Lithium Chloride	3,0
Potassium di-Hydrogen Phosphate	1,35
Meat Peptone	5,0
Sodium Chloride	20,0
di-Sodium Phosphate	12,0
Tryptone	5,0
Meat Extract	5,0
Ammonium Iron(III) Citrate	0,5
Nalidixic Acid	0,01
Acryflavine	0,012

pH: 7,2±0,2

Order code	Package	Units/Box st.
496269.0979	10 x 225 ml	

MacConkey Agar (Ph. Eur.) (Prepared Bottles) CULTIMED

Culture media for the study of Coliforms in water, milk and other materials of sanitary significance.

NC: 3821 00 00

Composition (g/l):

Lactose	10,0
Peptone	20,0
Neutral Red	0,03
Bile Salts nº 3	1,5
Sodium Chloride	5,0
Crystal Violet	0,001
Agar	15,0

pH: 7,1±0,2

Order code	Package	Units/Box st.
493779.0922	10 x 100 ml	

MacConkey Broth (Ph. Eur.) (Prepared Bottles) CULTIMED

Media for the isolation and cultivation of Lactobacillus species from clinical specimens and foods.

NC: 3821 00 00

Composition (g/l):

Lactose	10,0
Gelatin Peptone	20,0
Bromocresol Purple	0,01
Biliar Salts	5,0

pH: 7,1±0,2

Order code	Package	Units/Box st.
493780.0922	10 x 100 ml	

MRS Agar (Prepared Bottles) CULTIMED

Media for the isolation and cultivation of Lactobacillus species from clinical specimens and foods.

NC: 3821 00 00

Composition (g/l):

tri-Ammonium Citrate	2,0
Meat Extract	8,0
Yeast Extract	4,0
D(+)-Glucose	20,0
Magnesium Sulphate 7-hydrate	0,2
Manganese(II) Sulphate 4-hydrate	0,05
Bacteriological Peptone	10,0
di-Potassium Hydrogen Phosphate	2,0
Sodium Acetate 3-hydrate	5,0
Tween 80	1,0
Agar	10,0

pH: 6,2±0,2

Order code	Package	Units/Box st.
493784.0922	10 x 100 ml	

Nutrient Agar (Prepared Bottles) CULTIMED

Media for the cultivation of a wide variety of bacteria and for enumeration of organisms in water, feces and other materials.

NC: 3821 00 00

Composition (g/l):

Meat Extract	3,0
Meat Peptone	5,0
Agar	12,0

pH: 7,0±0,2

Order code	Package	Units/Box st.
493792.0922	10 x 100 ml	

Peptone Water (Prepared Bottles) CULTIMED

Media for the cultivation of nonfastidious microorganisms, for the carbohydrate fermentation test and to carry out the Indole test.

NC: 3821 00 00

Composition (g/l):

Peptone	10,0
Sodium Chloride	5,0

pH: 7,2±0,2

Order code	Package	Units/Box st.
493794.0922	10 x 100 ml	
493794.0979	10 x 225 ml	

Peptone Water with neutralizing agents (Prepared Bottles) CULTIMED

Neutralising solution in the dilution of samples with antimicrobial agents.

NC: 3821 00 00

Composition (g/l):

Casein Peptone	1,00
Lecithin (egg)	0,7
Histidine	1,0
Potassium di-Hydrogen Phosphate	3,56
Sodium Chloride	4,30
di-Sodium Hydrogen Phosphate	7,23
Sodium Thiosulphate	0,5
Tween 80	5,00

pH: 7,2±0,2

Order code	Package	Units/Box st.
495425.0932	1 x 450 ml	

Plate Count Agar (ISO 4833:2003) (Prepared Bottles) CULTIMED

Culture media for the enumeration of microorganisms in food, water and other materials.

NC: 3821 00 00

Composition (g/l):

Yeast Extract	2,5
D(+)-Glucose	1,0
Casein Peptone	5,0
Agar	15,0

pH: 7,1±0,2

Order code	Package	Units/Box st.
493799.0922	10 x 100 ml	

Reinforced Clostridial Agar (Ph. Eur.) (Prepared Bottles) CULTIMED

Media for the enumeration of clostridia, lactobacillis and anaerobic bacteria according to Ph. Eur.

NC: 3821 00 00

Composition (g/l):

Starch	1,0
L-Cysteine Hydrochloride	0,5
Meat Extract	10,0
Yeast Extract	3,0
D(+)-Glucose	5,0
Casein Peptone	10,0
Sodium Acetate	3,0
Sodium Chloride	5,0
Agar	0,5

pH: 6,8±0,2

Order code	Package	Units/Box st.
496253.0922	10 x 100 ml	

Rose Bengal Chloramphenicol Agar (Prepared Bottles) CULTIMED

Culture media for the enumeration and isolation of yeast and fungi.

NC: 3821 00 00

Composition (g/l):

Rose Bengal	0,05
Chloramphenicol	0,1
D(+)-Glucose	10,0
Magnesium Sulphate	0,5
Peptone	5,0
Potassium di-Hydrogen Phosphate	1,0
Agar	15,0

pH: 6,8±0,2

Order code	Package	Units/Box st.
494855.0922	10 x 100 ml	

Sabouraud Glucose Agar (Prepared Bottles) CULTIMED

Media for the cultivation and enumeration of a wide variety of fungi and yeasts.

NC: 3821 00 00

Composition (g/l):

D(+)-Glucose	40,0
Peptone	10,0
Agar	20,5

pH: 5,6±0,2

Order code	Package	Units/Box st.
493802.0922	10 x 100 ml	

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Produits pour la microbiologie

Sabouraud Glucose Agar+Chloramphenicol (Ph. Eur.) (Prepared Bottles) CULTIMED

Media for the cultivation and enumeration of a wide variety of fungi and yeasts.

NC: 3821 00 00

Composition (g/l):
D(+)-Glucose 40,0
Chloramphenicol 0,05
Peptones Mixture 10,0
Agar 15,0
pH: 5,6±0,2

Order code	Package	Units/Box st.
493842.0922	10 x 100 ml	

Saline Peptone Water (NF ISO 6579:1990) (Prepared Bottles) CULTIMED

General diluent agent

NC: 3821 00 00

Composition (g/l):
Peptone 1,0
Sodium Chloride 8,5
pH: 7,0±0,2

Order code	Package	Units/Box st.
496265.0922	10 x 100 ml	

SPS Agar (Prepared Bottles) CULTIMED

Culture media for the detection and enumeration of sulphite-reducing clostridia in food and other materials.

NC: 3821 00 00

Composition (g/l):
Sodium Sulphite 0,5
Polymyxin B Sulphate 0,01
Sodium Sulfadiazine 0,12
Yeast Extract 10,0
Iron(III) Citrate 0,5
Casein Peptone 15,0
Agar 13,90
pH: 7,0±0,2

Order code	Package	Units/Box st.
494125.0922	10 x 100 ml	

Thioglycollate Liquid Medium (Prepared Bottles) CULTIMED

Media for the cultivation of aerobic and anaerobic organisms in the performance of sterility tests of biological samples.

NC: 3821 00 00

Composition (g/l):
Sodium Thioglycollate 0,5
L-Cystine 0,5
Yeast Extract 5,0
D(+)-Glucose 5,5
Peptone 15,0
Resazurin 0,001
Sodium Chloride 2,5
Agar 0,75
pH: 7,1±0,2

Order code	Package	Units/Box st.
493912.0922	10 x 100 ml	

Tryptone Soy Agar (TSA) (Ph. Eur.) (Prepared Bottles) CULTIMED

Media for the cultivation and maintenance of a wide variety of microorganisms.

NC: 3821 00 00

Composition (g/l):
Soy Peptone 5,0
Casein Peptone 15,0
Sodium Chloride 5,0
Agar 20,5
pH: 7,3±0,2

Order code	Package	Units/Box st.
493819.0922	10 x 100 ml	

Tryptone Soy Broth (TSB) (Ph. Eur.) (Prepared Bottles) CULTIMED

Media for the culture of a wide variety of microorganisms.

NC: 3821 00 00

Composition (g/l):
Soy Peptone 3,0
D(+)-Glucose 2,5
Casein Peptone 17,0
di-Potassium Hydrogen Phosphate 2,5
Sodium Chloride 5,0
pH: 7,3±0,2

Order code	Package	Units/Box st.
493820.0922	10 x 100 ml	

Tryptone Yeast Extract Agar (ISO 6222:1999) (Prepared Bottles) CULTIMED

Media for the enumeration of microorganisms in water according to ISO 6222:1999

NC: 3821 00 00

Composition (g/l):
Yeast Extract 3,0
Tryptone 6,0
Agar 15,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
496106.0922	10 x 100 ml	

TSC Agar (Prepared Bottles) CULTIMED

Culture media for the detection and enumeration of clostridium perfringens in water, food and other materials.

NC: 3821 00 00

Composition (g/l):
Yeast Extract 5,0
Iron(III) Citrate 1,0
Soy Peptone 5,0
Sodium Disulphite 1,0
Tryptose 15,0
Cycloserine 0,4
Agar 14,0
pH: 7,6±0,2

Order code	Package	Units/Box st.
495576.0922	10 x 100 ml	

Violet Red Bile Glucose Agar (VRBG) (Ph. Eur.) (Prepared Bottles) CULTIMED

Culture media for the enumeration of Enterobacteriaceae.

NC: 3821 00 00

Composition (g/l):
Bile Salts Mixture 1,5
Crystal Violet 0,002
Neutral Red 0,03
D(+)-Glucose 10,0
Yeast Extract 3,0
Gelatine Peptone 7,0
Sodium Chloride 5,0
Agar 20,5
pH: 7,4±0,2

Order code	Package	Units/Box st.
493745.0922	10 x 100 ml	

Violet Red Bile Lactose Agar (VRBL) (Prepared Bottles) CULTIMED

Selective and differential media for the detection and enumeration of Coliforms in milk and dairy products. Also it is used in water and foodstuffs.

NC: 3821 00 00

Composition (g/l):
Bile Salts Mixture 1,5
Crystal Violet 0,002
Neutral Red 0,03
Lactose 10,0
Yeast Extract 3,0
Gelatine Peptone 7,0
Sodium Chloride 5,0
Agar 12,0
pH: 7,4±0,2

Order code	Package	Units/Box st.
493746.0922	10 x 100 ml	

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SLIDES FOR HYGIENE CONTROL

Slide PCA/PCA CULTIMED

Culture media for the total enumeration of aerobes

NC: 3821 00 00

Composition (g/l) (Side 1 and 2):

Tryptone.....5,0
Yeast Extract.....2,5
D(+)-Glucose.....1,0
TTC.....0,1
di-Sodium Phosphate.....1,0
Phosphatidylcholine.....0,03
L-Histidine.....0,01
Sodium Thiosulphate.....0,078
Tween 80.....0,3
Agar.....15,0
pH: 7,0±0,2

Order code	Package	Units/Box st.
435895.0922	20 units	

Slide PCA/RB CULTIMED

Culture media for the total enumeration of aerobes and for the enumeration of fungi and yeasts

NC: 3821 00 00

Composition (g/l) (Side 1):

Tryptone.....5,0
Yeast Extract.....2,5
D(+)-Glucose.....1,0
TTC.....0,1
di-Sodium Phosphate.....1,0
Phosphatidylcholine.....0,03
L-Histidine.....0,01
Sodium Thiosulphate.....0,078
Tween 80.....0,3
Agar.....15,0
pH: 7,0±0,2

Composition (g/l) (Side 2):

Soy Peptone.....5,0
D(+)-Glucose.....10,0
Magnesium Sulphate.....0,5
Rose Bengal.....0,05
Chloramphenicol.....0,1
di-Sodium Phosphate.....1,0
Phosphatidylcholina.....0,03
L-Histidine.....0,01
Sodium Thiosulphate.....0,078
Tween 80.....0,3
Agar.....15,0
pH: 7,2±0,2

Order code	Package	Units/Box st.
435896.0922	20 units	

Slide PCA/VRBG CULTIMED

Culture media for the total enumeration of aerobes and enterobacterias

NC: 3821 00 00

Composition (g/l) (Side 1):

Tryptone.....5,0
Yeast Extract.....2,5
D(+)-Glucose.....1,0
TTC.....0,1
di-Sodium Phosphate.....1,0
Phosphatidylcholine.....0,03
L-Histidine.....0,01
Sodium Thiosulphate.....0,078
Tween 80.....0,3
Agar.....15,0
pH: 7,0±0,2

Composition (g/l) (Side 2):

Yeast Extract.....3,0
Peptone.....7,0
Bile Salt nº3.....1,5
D(+)-Glucose.....10,0
Sodium Chloride.....5,0
Neutral Red.....0,03
Crystal Violet.....0,002
di-Sodium Phosphate.....1,0
Phosphatidylchloline.....0,03
L-Histidine.....0,01
Sodium Thiosulphate.....0,078
Tween 80.....0,3
Agar.....15,0
pH: 7,4±0,2

Order code	Package	Units/Box st.
435897.0922	20 units	

PROSPORE (Sterilization test) CULTIMED

Ampoules containing G. Stearothermophilus spores. The test is used to validate or monitor steam sterilisation

Biological Features:
Microorganism: Geobacillus Stearothermophilus ATCC7953
Predefined population: 1-5x10^6
D121 Value: 1,5-3,0 minutes (saturated steam at 121°C)
Z Value: 11,0°C (based on exposures at 118°C, 121,1°C and 126°C)

Order code	Package	Units/Box st.
PS-410MC	10 units	

BOTTLES FOR DILUTION AND SAMPLING

Sterile bottle, 500 ml, with 12 mg of sodium thiosulphate CULTIMED

Order code	Package	Units/Box st.
P500ST	111 units	

Sterile bottle, 1000 ml, with 24 mg of sodium thiosulphate CULTIMED

Order code	Package	Units/Box st.
P1000ST	74 units	

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Index

CAS No. 532
Qualities - product code..... 543
Classification in specific fields of application..... 557

CAS No.
Reagents & Microbiology products

50-00-0 Formaldehyde 37-38% w/w stabilized with methanol PA-ACS ... 196
50-00-0 Formaldehyde 37-38% w/w stabilized with methanol (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 197
50-00-0 Formaldehyde 35-40% w/v stabilized with methanol QP ... 197
50-00-0 Formaldehyde 30-36% w/v concentrated buffered to pH=7 stabilized with methanol DC ... 197
50-00-0 Formaldehyde solution 10% neutralized, stabilized with methanol PRS ... 197
50-00-0 Formaldehyde 3,7-4,0% buffered to pH=7 and stabilized with methanol DC ... 197
50-01-1 Guanidinium Chloride PB ... 209
50-69-1 D(-)-Ribose PB ... 372
50-70-4 D(-)-Sorbite PB ... 420
50-70-4 D(-)-Sorbite (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 420
50-70-4 D(-)-Sorbite (E-420i, F.C.C.) ADITIO ... 420
50-78-2 Acetylsalicylic Acid (RFE, BP, Ph. Eur.) PRS-CODEX ... 30
50-81-7 L(+)-Ascorbic Acid PA-ACS ... 65
50-81-7 L(+)-Ascorbic Acid (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 65
50-81-7 L(+)-Ascorbic Acid (E-300, F.C.C.) ADITIO ... 65
50-99-7 D(+)-Glucose anhydrous PA-ACS ... 203
50-99-7 D(+)-Glucose anhydrous (RFE, USP, BP, Ph. Eur., DAB) PRS-CODEX ... 204
50-99-7 D(+)-Glucose anhydrous (F.C.C.) ADITIO ... 204
51-28-5 2,4-Dinitrophenol moistened with ~33% of H_2O PA ... 169
51-28-5 2,4-Dinitrophenol, 98% moistened with ~33% of H_2O PS ... 169
52-51-7 2-Bromo-2-Nitro-1,3-Propanediol (BP) PRS-CODEX ... 89
52-51-7 2-Bromo-2-Nitro-1,3-Propanediol, 98% PS ... 89
52-89-1 L-Cysteine mono-Hydrochloride PB ... 144
52-90-4 L-Cysteine, 99% PS ... 143
54-21-7 Sodium Salicylate PA ... 412
54-21-7 Sodium Salicylate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 412
54-21-7 Sodium Salicylate, 99% PS ... 412
54-64-8 2-[(Ethylmercury)Thio] Benzoic Acid Sodium Salt (USP, BP, Ph. Eur.) PRS-CODEX ... 188
54-96-6 3,4-Diaminopyridine, 98% PS ... 147
55-21-0 Benzamide, 98% PS ... 70
55-55-0 4-Methylaminophenol Sulphate PA-ACS ... 280
55-55-0 4-Methylaminophenol Sulphate PRS ... 280
56-17-7 Cystaminium Dichloride, 99% PS ... 143
56-23-5 Carbon Tetrachloride (UV-HPLC-GPC) (E.U.) PAI ... 115
56-23-5 Carbon Tetrachloride (IR) (E.U.) PAI ... 115
56-23-5 Carbon Tetrachloride (ACS VIII, Reag. Ph. Eur.) (E.U.) PA-ACS-ISO ... 115
56-23-5 Carbon Tetrachloride (ACS VIII, Reag. Ph. Eur.) (B.D.N.) PA-ACS-ISO ... 116
56-23-5 Carbon Tetrachloride (E.U.) PRS ... 116
56-23-5 Carbon Tetrachloride (B.D.N.) PRS ... 116
56-37-1 Benzyltriethylammonium Chloride, 99% PS ... 77
56-40-6 Glycine (Reag. USP) PA-ACS ... 207
56-40-6 Glycine (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 208
56-40-6 Glycine (E-640, F.C.C.) ADITIO ... 208
56-40-6 Glycine, 99% PS ... 208
56-41-7 L-Alanine PB ... 35
56-41-7 L-Alanine (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 36
56-41-7 L-Alanine (F.C.C.) ADITIO ... 36
56-41-7 L-Alanine, 99% PS ... 36
56-45-1 L-Serine (USP, BP, Ph. Eur.) PRS-CODEX ... 375
56-45-1 L-Serine, 99% PS ... 375
56-75-7 Chloramphenicol (RFE, BP, Ph. Eur.) PRS-CODEX ... 121
56-81-5 Glycerol PA-ACS-ISO ... 206
56-81-5 Glycerol (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 206
56-81-5 Glycerol (E-422, F.C.C.) ADITIO ... 206
56-81-5 Glycerol, 99% PS ... 206
56-81-5 Glycerol QP ... 206
56-81-5 Glycerol 87% PA ... 206
56-81-5 Glycerol 87% (RFE, BP, Ph. Eur.) PRS-CODEX ... 207
56-84-8 L-Aspartic Acid PB ... 65
56-84-8 L-Aspartic Acid (RFE, BP, Ph. Eur.) PRS-CODEX ... 65
56-84-8 L-Aspartic Acid (F.C.C.) ADITIO ... 65
56-84-8 L-Aspartic Acid, 99% PS ... 65
56-85-9 L-Glutamine PB ... 205
56-85-9 L-Glutamine (USP) PRS-CODEX ... 205
56-85-9 L-Glutamine, 99% PS ... 205
56-86-0 L-Glutamic Acid PB ... 204
56-86-0 L-Glutamic Acid (RFE, BP, Ph. Eur.) PRS-CODEX ... 204
56-86-0 L-Glutamic Acid (E-620, F.C.C.) ADITIO ... 205
56-86-0 L-Glutamic Acid, 99% PS ... 205
56-89-3 L-Cystine PB ... 144
56-89-3 L-Cystine (E-921, F.C.C.) ADITIO ... 144
56-89-3 L-Cystine, 98% PS ... 144
56-93-9 Benzyltrimethylammonium Chloride, 99% PS ... 77
57-09-0 N-Cetyl-N,N,N-Trimethylammonium Bromide PA ... 120
57-09-0 N-Cetyl-N,N,N-Trimethylammonium Bromide, 99% PS ... 120
57-10-3 Palmitic Acid (E-570, F.C.C.) ADITIO ... 309
57-10-3 Palmitic Acid, 98% PS ... 309
57-11-4 Stearic Acid 95 (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 437
57-11-4 Stearic Acid, 98% PS ... 437
57-11-4 Stearic Acid 50 (fatty acids mixture) (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 438
57-11-4 Stearic Acid 50 (fatty acids mixture) (E-570, F.C.C.) ADITIO ... 438
57-13-6 Urea crystal PA-ACS ... 476
57-13-6 Urea crystal (RFE, USP, BP, Ph. Eur.) CODEX ... 476
57-13-6 Urea pearls PRS ... 476
57-13-6 Urea pearls, (E-927b, F.C.C.) ADITIO ... 476
57-13-6 Urea pearls, 98,5% PS ... 476
57-44-3 5,5-Diethylbarbituric Acid PA ... 156
57-44-3 5,5-Diethylbarbituric Acid (RFE, BP, Ph. Eur.) PRS-CODEX ... 156
57-48-7 D(-)-Fructose PB ... 200
57-48-7 D(-)-Fructose (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 200
57-48-7 D(-)-Fructose (F.C.C.) ADITIO ... 200
57-50-1 Saccharose PA-ACS ... 372
57-50-1 Saccharose (RFE, USP-NF, BP, Ph. Eur., DAB, JP) PRS-CODEX ... 372
57-50-1 Saccharose solutions pack (14,9% w/w, 19,4% w/w, 23,8% w/w) VINIKIT ... 372
57-50-1 Saccharose solution 14,9% w/w VINIKIT ... 372
57-50-1 Saccharose solution 19,4% w/w VINIKIT ... 373
57-50-1 Saccharose solution 23,8% w/w VINIKIT ... 373
57-55-6 1,2-Propanediol (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 361
57-55-6 1,2-Propanediol (E-1520, F.C.C.) ADITIO ... 361
57-55-6 1,2-Propanediol, 99% PS ... 361
57-71-6 Diacetylmonoxime PA ... 147
57-88-5 Cholesterol PB ... 127
58-08-2 Caffeine anhydrous (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 105
58-85-5 D(+)-Biotin (USP) PRS-CODEX ... 77
58-85-5 D(+)-Biotin (F.C.C.) ADITIO ... 77
58-86-6 D(+)-Xylose (RFE, BP, Ph. Eur.) PRS-CODEX ... 484
59-23-4 D(+)-Galactose PB ... 202
59-30-3 Folic Acid (USP, BP, Ph. Eur.) PRS-CODEX ... 196
59-30-3 Folic Acid (F.C.C.) ADITIO ... 196
59-30-3 Folic Acid, 97% PS ... 196
59-50-7 4-Chloro-3-Methylphenol (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 125
59-50-7 4-Chloro-3-Methylphenol, 99% PS ... 125
59-51-8 DL-Methionine (BP, Ph. Eur.) PRS-CODEX ... 278
59-67-6 Nicotinic Acid (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 297
59-67-6 Nicotinic Acid, 99% PS ... 297
59-88-1 Phenylhydrazinium Chloride PA ... 325
60-00-4 Ethylenediaminetetraacetic Acid PA-ACS ... 183
60-00-4 Ethylenediaminetetraacetic Acid (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 183
60-01-5 Glycerol tri-Butyrate PB ... 207
60-10-6 Dithizone (Reag. Ph. Eur.) PA-ACS ... 172
60-11-7 Methyl Yellow solution 0,5% RV ... 290
60-11-7 4-(Dimethylamino) Azobenzene (C.I. 11020) PA ... 163
60-18-4 L-Tyrosine (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 475
60-18-4 L-Tyrosine, 99% PS ... 476
60-27-5 Creatinine PB ... 137
60-27-5 Creatinine DC ... 137
60-29-7 Diethyl Ether stabilized with ethanol (UV-IR-HPLC) PAI ... 157
60-29-7 Diethyl Ether stabilized with ethanol (PAR) PAI ... 157
60-29-7 Diethyl Ether dry (max. 0,0075% water) stabilized with ~6 ppm of BHT DS-ACS-ISO ... 157
60-29-7 Diethyl Ether stabilized with ~6 ppm of BHT (Reag. Ph. Eur.) PA-ACS-ISO ... 157
60-29-7 Diethyl Ether stabilized with ~6 ppm of BHT PRS ... 158
60-29-7 Diethyl Ether anaesthetic stabilized with ~6 ppm of BHT (RFE, BP, Ph. Eur.) CODEX ... 158
60-29-7 Diethyl Ether, 99,7% stabilized with ~6 ppm of BHT PS ... 158
60-29-7 Diethyl Ether stabilized with ~6 ppm of BHT QP ... 158
60-31-1 Acetylcholine Chloride (USP) PRS-CODEX ... 30
60-31-1 Acetylcholine Chloride, 98% PS ... 30
60-32-2 6-Aminohexanoic Acid (USP, BP, Ph. Eur.) PRS-CODEX ... 42
60-32-2 6-Aminohexanoic Acid, 99% PS ... 42
60-35-5 Acetamide PA ... 20
60-35-5 Acetamide PRS ... 20
60-35-5 Acetamide, 99% PS ... 20
61-73-4 Methylene Blue (C.I. 52015) PA ... 283
61-73-4 Methylene Blue (C.I. 52015) (USP) CODEX ... 283
61-73-4 Methylene Blue (C.I. 52015) DC ... 283
61-90-5 L-Leucine PB ... 255
61-90-5 L-Leucine (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 255
61-90-5 L-Leucine (F.C.C.) ADITIO ... 255
61-90-5 L-Leucine, 99% PS ... 255
62-33-9 Ethylenediaminetetraacetic Acid Calcium Disodium Salt (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 184
62-38-4 Phenylmercury Acetate (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 325
62-53-3 Aniline (Reag. Ph. Eur.) PA-ACS ... 59
62-53-3 Aniline PRS ... 60
62-53-3 Aniline, 99% PS ... 60
62-54-4 Calcium Acetate x-hydrate PA ... 105
62-54-4 Calcium Acetate x-hydrate (USP) PRS-CODEX ... 105
62-54-4 Calcium Acetate x-hydrate (E-263, F.C.C.) ADITIO ... 105
62-54-4 Calcium Acetate x-hydrate QP ... 106
62-55-5 Thioacetamide (Reag. Ph. Eur.) PA-ACS ... 453
62-55-5 Thioacetamide, 98% PS ... 453
62-56-6 Thiourea (Reag. Ph. Eur.) PA-ACS ... 454
62-56-6 Thiourea PRS ... 454
62-56-6 Thiourea, 98% PS ... 454
62-76-0 di-Sodium Oxalate EQP-ACS ... 408
62-76-0 di-Sodium Oxalate (Reag. USP, Ph. Eur.) PA-ACS ... 408
62-76-0 di-Sodium Oxalate PRS ... 408
62-76-0 di-Sodium Oxalate 0,1 mol/l (0,1M) DC ... 408
63-68-3 L-Methionine (USP, BP, Ph. Eur.) PRS-CODEX ... 278
63-68-3 L-Methionine (F.C.C.) ADITIO ... 279
63-68-3 L-Methionine, 99% PS ... 279
63-74-1 Sulphanilamide (Reag. Ph. Eur.) PA ... 440
63-74-1 Sulphanilamide (Ph. Fr., DAB) PRS-CODEX ... 440
63-91-2 L-Phenylalanine PB ... 324
63-91-2 L-Phenylalanine (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 324
63-91-2 L-Phenylalanine (F.C.C.) ADITIO ... 324
63-91-2 L-Phenylalanine, 99% PS ... 324
64-17-5 Ethanol absolute (HPLC-gradient grade) PAI ... 176
64-17-5 Ethanol absolute (UV-IR-HPLC) PAI ... 176
64-17-5 Ethanol absolute dry (max. 0,02% water) DS ... 176
64-17-5 Ethanol absolute PA-ACS-ISO ... 176
64-17-5 Ethanol absolute PA ... 177
64-17-5 Ethanol absolute PRS ... 177
64-17-5 Ethanol absolute (USP, BP, Ph. Eur.) CODEX ... 177
64-17-5 Ethanol absolute (F.C.C.) ADITIO ... 177
64-17-5 Ethanol absolute, 99,5% PS ... 177
64-17-5 Ethanol absolute DC ... 178
64-17-5 Ethanol absolute partially denatured QP ... 178
64-17-5 Ethanol 96% v/v (UV-IR-HPLC) PAI ... 178
64-17-5 Ethanol 96% v/v PA-ACS ... 178
64-17-5 Ethanol 96% v/v PA ... 178
64-17-5 Ethanol 96% v/v (USP, BP, Ph. Eur.) PRS-CODEX ... 179
64-17-5 Ethanol 96% v/v (F.C.C.) ADITIO ... 179
64-17-5 Ethanol 96% v/v DC ... 179
64-17-5 Ethanol 96% v/v partially denatured QP ... 179
64-17-5 Ethanol 96% v/v totally denatured QP ... 179
64-17-5 Ethanol 70% v/v (BP) CODEX ... 180
64-17-5 Ethanol 70% v/v ADITIO ... 180
64-18-6 Formic Acid 98% PA-ACS ... 198
64-18-6 Formic Acid 98% PRS ... 199
64-18-6 Formic Acid 98% (F.C.C.) ADITIO ... 199
64-18-6 Formic Acid 85% PA ... 199
64-18-6 Formic Acid 85% PRS ... 199
64-18-6 Formic Acid 85% (F.C.C.) ADITIO ... 199
64-19-7 Acetic Acid glacial (TMA) HIPERPUR-PLUS ... 21
64-19-7 Acetic Acid glacial (TMA) HIPERPUR ... 21
64-19-7 Acetic Acid glacial (HPLC) PAI ... 22
64-19-7 Acetic Acid glacial (Reag. Ph. Eur.) PA-ACS-ISO ... 22
64-19-7 Acetic Acid glacial (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 22
64-19-7 Acetic Acid glacial (E-260, F.C.C.) ADITIO ... 22
64-19-7 Acetic Acid glacial, 99,5% PS ... 22
64-19-7 Acetic Acid glacial QP ... 23
64-19-7 Acetic Acid glacial DC ... 23
64-19-7 Acetic Acid 96% PA ... 23
64-19-7 Acetic Acid 80% PA ... 23
64-19-7 Acetic Acid 0,1 mol/l (0,1N) SV ... 23
64-19-7 Acetic Acid 0,5 mol/l (0,5N) SV ... 23
64-19-7 Acetic Acid 1 mol/l (1N) SV ... 23
64-67-5 Diethyl Sulphate, 99% PS ... 159
65-45-2 Salicylamide (USP) PRS-CODEX ... 373
65-85-0 Benzoic Acid EQP ... 73
65-85-0 Benzoic Acid PA-ACS ... 73
65-85-0 Benzoic Acid (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 73
65-85-0 Benzoic Acid (E-210, F.C.C.) ADITIO ... 74
65-85-0 Benzoic Acid, 99,5% PS ... 74
66-81-9 Cycloheximide PB ... 142
67-43-6 Diethylentriaminepentaacetic Acid PA ... 157
67-56-1 Methanol (HPLC-hypergradient grade) HIPERPUR ... 275
67-56-1 Methanol (HPLC-gradient grade) PAI-ACS ... 275
67-56-1 Methanol (UV-IR-HPLC-HPLC isocratic) PAI-ACS ... 275
67-56-1 Methanol (HPLC-preparative) PAI ... 275
67-56-1 Methanol (LC-MS) PAI ... 276
67-56-1 Methanol (PAR) PAI ... 276
67-56-1 Methanol dry (max. 0,005% water) DS-ACS-ISO ... 276
67-56-1 Methanol (Reag. Ph. Eur.) PA-ACS-ISO ... 277
67-56-1 Methanol (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 277
67-56-1 Methanol (F.C.C.) ADITIO ... 277
67-56-1 Methanol BS ... 278
67-56-1 Methanol, 99,5% PS ... 278
67-56-1 Methanol according to Karl Fischer RE ... 278
67-63-0 2-Propanol (VLSI) EG ... 362
67-63-0 2-Propanol (HPLC-gradient grade-UV-IR) PAI ... 363
67-63-0 2-Propanol (HPLC) PAI ... 363
67-63-0 2-Propanol (HPLC-preparative) PAI ... 363
67-63-0 2-Propanol (PAR) PAI ... 363
67-63-0 2-Propanol dry (max. 0,01% water) DS-ACS-ISO ... 364
67-63-0 2-Propanol (Reag. Ph. Eur.) PA-ACS-ISO ... 364
67-63-0 2-Propanol (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 364
67-63-0 2-Propanol (F.C.C.) ADITIO ... 364
67-63-0 2-Propanol, 99,7% PS ... 364
67-63-0 2-Propanol QP ... 365
67-64-1 Acetone (VLSI) EG ... 24
67-64-1 Acetone (MOS) EG ... 24
67-64-1 Acetone (UV-IR-HPLC-GPC) PAI-ACS ... 25
67-64-1 Acetone (PAR) PAI ... 25
67-64-1 Acetone dry (max. 0,01% water) DS ... 25
67-64-1 Acetone (Reag. Ph. Eur.) PA-ACS-ISO ... 25
67-64-1 Acetone (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 26
67-64-1 Acetone (F.C.C.) ADITIO ... 26
67-64-1 Acetone, 99,5% PS ... 26
67-64-1 Acetone QP ... 26
67-66-3 Trichloromethane stabilized with ~150 ppm of amylene (HPLC-GPC) PAI ... 463
67-66-3 Trichloromethane dry (max. 0,005% water) stabilized with ~50 ppm of amylene DS-ACS ... 463
67-66-3 Trichloromethane stabilized with ~50 ppm of amylene (Reag. USP, Ph. Eur.) PA-ACS ... 464
67-66-3 Trichloromethane stabilized with ~50 ppm of amylene PA ... 464
67-66-3 Trichloromethane stabilized with ~50 ppm of amylene (BP) PRS-CODEX ... 464
67-66-3 Trichloromethane, 99,9% stabilized with ~50 ppm of amylene PS ... 464
67-66-3 Trichloromethane stabilized with ethanol (UV-IR-HPLC-HPLC preparative) PAI ... 465
67-66-3 Trichloromethane stabilized with ethanol (PAR) PAI ... 465
67-66-3 Trichloromethane stabilized with ethanol (Reag. Ph. Eur.) PA-ACS-ISO ... 465
67-66-3 Trichloromethane stabilized with ethanol PA ... 465
67-66-3 Trichloromethane stabilized with ethanol PRS ... 466
67-66-3 Trichloromethane, 99% stabilized with ethanol PS ... 466
67-66-3 Trichloromethane stabilized with ethanol QP ... 466
67-66-3 Trichloromethane stabilized with 1-2% of ethanol (BP) PRS-CODEX ... 466
67-68-5 Dimethyl Sulphoxide (UV-IR-HPLC-GPC) PAI ... 167
67-68-5 Dimethyl Sulphoxide dry (max. 0,03% water) DS-ACS ... 167
67-68-5 Dimethyl Sulphoxide (Reag. Ph. Eur.) PA-ACS ... 167
67-68-5 Dimethyl Sulphoxide PRS ... 168
67-68-5 Dimethyl Sulphoxide (RFE, USP, BP, Ph. Eur.) CODEX ... 168
67-68-5 Dimethyl Sulphoxide, 99,5% PS ... 168
68-04-2 Sodium Citrate solution 3,8% DC ... 389
68-11-1 Thioglycollic Acid 80% PRS ... 454
68-12-2 N,N-Dimethylformamide (UV-IR-HPLC-GPC) PAI-ACS ... 164
68-12-2 N,N-Dimethylformamide dry (max. 0,01% water) DS-ACS-ISO ... 165
68-12-2 N,N-Dimethylformamide (Reag. Ph. Eur.) PA-ACS-ISO ... 165
68-12-2 N,N-Dimethylformamide PRS ... 165
68-12-2 N,N-Dimethylformamide BS ... 165
68-12-2 N,N-Dimethylformamide, 99,8% PS ... 165
68-41-7 D-Cycloserine PB ... 143
68-94-0 Hypoxanthine, 99% PS ... 234
69-65-8 D(-)-Mannitol PA-ACS ... 269

69-65-8 D(-)-Mannitol (RFE, USP, BP, Ph. Eur.) PRS-CODEX... 269
69-65-8 D(-)-Mannitol (E-421, F.C.C.) ADITIO ... 269
69-72-7 Salicylic Acid PA-ACS ... 373
69-72-7 Salicylic Acid (RFE, USP, BP, Ph. Eur.) PRS-CODEX .. 373
69-72-7 Salicylic Acid, 99% PS ... 374
69-93-2 Uric Acid PRS ... 476
70-18-8 L-Glutathione reduced PB ... 205
71-00-1 L-Histidine PB ... 217
71-00-1 L-Histidine (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 218
71-00-1 L-Histidine, 99% PS ... 218
71-23-8 1-Propanol (UV-IR-HPLC-HPLC preparative) PAI ... 361
71-23-8 1-Propanol (Reag. USP, Ph. Eur.) PA-ACS ... 362
71-23-8 1-Propanol (BP, Ph. Eur.) PRS-CODEX ... 362
71-23-8 1-Propanol, 99,5% PS ... 362
71-36-3 1-Butanol (UV-IR-HPLC) PAI ... 96
71-36-3 1-Butanol (Reag. Ph. Eur.) PA-ACS-ISO ... 96
71-36-3 1-Butanol (USP-NF) PRS-CODEX ... 96
71-36-3 1-Butanol (F.C.C.) ADITIO ... 97
71-36-3 1-Butanol, 99,5% PS ... 97
71-41-0 1-Pentanol (Reag. Ph. Eur.) PA-ACS ... 313
71-41-0 1-Pentanol PRS ... 313
71-41-0 1-Pentanol, 98% PS ... 314
71-43-2 Benzene (UV-IR-HPLC-GPC) PAI-ACS ... 71
71-43-2 Benzene dry (max. 0,005% water) DS-ACS-ISO ... 71
71-43-2 Benzene (Reag. Ph. Eur.) PA-ACS-ISO ... 71
71-43-2 Benzene PRS ... 71
71-43-2 Benzene, 99,8% PS ... 71
71-55-6 1,1,1-Trichloroethane (E.U.) PRS ... 462
71-55-6 1,1,1-Trichloroethane (B.D.N.) PRS ... 462
71-91-0 Tetraethylammonium Bromide, 99% PS ... 451
72-17-3 Sodium Lactate solution 50% w/w (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 406
72-17-3 Sodium Lactate solution 50% w/w (E-325, F.C.C.) ADITIO ... 406
72-18-4 L-Valine (USP, BP, Ph. Eur.) PRS-CODEX ... 477
72-18-4 L-Valine (F.C.C.) ADITIO ... 477
72-18-4 L-Valine, 98% PS ... 477
72-19-5 L-Threonine, 99% PS ... 455
72-48-0 Alizarin (C.I. 58000) PA ... 36
72-48-0 Alizarin solution 0,1% RV ... 36
73-22-3 L-Tryptophan PB ... 473
73-22-3 L-Tryptophan PA ... 473
73-22-3 L-Tryptophan (RFE, USP, BP, Ph. Eur.) PRS-CODEX .. 474
73-22-3 L-Tryptophan, 99% PS ... 474
73-32-5 L-Isoleucine PB ... 244
73-32-5 L-Isoleucine (USP, BP, Ph. Eur.) PRS-CODEX ... 244
73-32-5 L-Isoleucine (F.C.C.) ADITIO ... 244
73-32-5 L-Isoleucine, 99% PS ... 245
73-40-5 Guanine, 99% PS ... 209
74-39-5 Magneson I PA ... 265
74-79-3 L-Arginine PB ... 63
74-79-3 L-Arginine (USP, BP, Ph. Eur.) PRS-CODEX ... 63
74-79-3 L-Arginine (F.C.C.) ADITIO ... 63
74-79-3 L-Arginine, 99% PS ... 63
74-88-4 Iodomethane, 99% stabilized with copper PS ... 238
74-89-5 Methylamine solution 40% w/w PS ... 280
74-96-4 Bromoethane, 99% PS ... 87
75-03-6 Iodoethane, 98% stabilized with copper PS ... 238
75-05-8 Acetonitrile (HPLC-hypergradient grade) HIPERPUR ... 27
75-05-8 Acetonitrile (HPLC-gradient grade) PAI-ACS ... 27
75-05-8 Acetonitrile (UV-IR-HPLC-isocratic) PAI-ACS ... 27
75-05-8 Acetonitrile (HPLC-preparative) PAI ... 27
75-05-8 Acetonitrile (LC-MS) PAI ... 28
75-05-8 Acetonitrile (PAR) PAI-ACS ... 28
75-05-8 Acetonitrile dry (max. 0,005% water) DS-ACS ... 28
75-05-8 Acetonitrile (Reag. Ph. Eur.) PA-ACS ... 28
75-05-8 Acetonitrile BS ... 29
75-05-8 Acetonitrile, 99,7% PS ... 29
75-07-0 Acetaldehyde, 99% PS ... 20
75-09-2 Dichloromethane stabilized with ~20 ppm of amylene (UV-IR-HPLC-HPLC preparative-GPC) PAI-ACS ... 152
75-09-2 Dichloromethane stabilized with ~20 ppm of amylene (PAR) PAI ... 152
75-09-2 Dichloromethane dry (max. 0,005% water) stabilized with amylene DS-ACS-ISO ... 153
75-09-2 Dichloromethane stabilized with amylene PA-ACS-ISO ... 153
75-09-2 Dichloromethane stabilized with amylene (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 153
75-09-2 Dichloromethane stabilized with amylene (F.C.C.) ADITIO ... 153
75-09-2 Dichloromethane stabilized with amylene BS ... 153
75-09-2 Dichloromethane, 99,8% stabilized with amylene PS ... 154
75-09-2 Dichloromethane stabilized with amylene QP ... 154
75-09-2 Dichloromethane dry (max. 0,005% water) stabilized with ~0,2% of ethanol DS-ACS-ISO ... 154
75-09-2 Dichloromethane, 99,8% stabilized with ~0,2% of ethanol PS ... 154
75-11-6 Diiodomethane, 99% stabilized with copper PS ... 160
75-12-7 Formamide PA-ACS ... 198
75-12-7 Formamide PRS ... 198
75-12-7 Formamide, 98% PS ... 198
75-12-7 Formamide AQUAMETRIC KF dry RV ... 198
75-15-0 Carbon Disulphide (UV-IR-HPLC) PAI ... 114
75-15-0 Carbon Disulphide dry (max. 0.005% water) low in aromatic compounds DS-ACS ... 114
75-15-0 Carbon Disulphide PA-ACS ... 114
75-15-0 Carbon Disulphide PRS ... 114
75-15-0 Carbon Disulphide, 99,5% PS ... 114
75-25-2 Bromoform stabilized with ethanol (Ph. Fr.) PRS-CODEX ... 88
75-25-2 Bromoform, 99% stabilized with ~1% of ethanol PS ... 88
75-26-3 2-Bromopropane, 99% PS ... 90
75-36-5 Acetyl Chloride (Reag. USP, Ph. Eur.) PA-ACS ... 30
75-36-5 Acetyl Chloride, 98% PS ... 30
75-47-8 Iodoform PRS ... 238
75-52-5 Nitromethane (Reag. USP, Ph. Eur.) PA-ACS ... 303
75-52-5 Nitromethane, 98% PS ... 303
75-57-0 Tetramethylammonium Chloride, 98% PS ... 453
75-62-7 Bromotrichloromethane, 98% PS ... 91
75-64-9 tert-Butylamine, 98% PS ... 100
75-65-0 2-Methyl-2-Propanol (Reag. Ph. Eur.) PA-ACS ... 287
75-65-0 2-Methyl-2-Propanol PRS ... 287
75-65-0 2-Methyl-2-Propanol, 99,7% PS ... 287
75-75-2 Methanesulphonic Acid 70% w/w PS ... 274
75-76-3 Tetramethylsilane (NMR) PAI ... 453
75-77-4 Chlorotrimethylsilane CG ... 126
75-77-4 Chlorotrimethylsilane, 98% PS ... 127
75-89-8 2,2,2-Trifluoroethanol, 99% PS ... 469
75-91-2 tert-Butyl Hydroperoxide aqueous solution ~70% PS ... 100
75-91-2 tert-Butyl Hydroperoxide solution 3M in isooctane PS ... 100
76-03-9 Trichloroacetic Acid (Reag. Ph. Eur.) PA-ACS ... 461
76-03-9 Trichloroacetic Acid (BP, Ph. Eur.) PRS-CODEX ... 462
76-03-9 Trichloroacetic Acid, 98% PS ... 462
76-03-9 Trichloroacetic Acid solution 20% w/v DC ... 462
76-05-1 Trifluoroacetic Acid (UV) PAI ... 469
76-05-1 Trifluoroacetic Acid PB ... 469
76-05-1 Trifluoroacetic Acid, 99% PS ... 469
76-13-1 1,1,2-Trichlorotrifluoroethane (UV-IR-HPLC) (E.U.) PAI ... 467
76-13-1 1,1,2-Trichlorotrifluoroethane (ACS IX, Reag. USP, Ph. Eur.) (E.U.) PA-ACS ... 467
76-13-1 1,1,2-Trichlorotrifluoroethane (ACS IX, Reag. USP, Ph. Eur.) (B.D.N.) PA-ACS ... 467
76-13-1 1,1,2-Trichlorotrifluoroethane, 99,8% (E.U.) PS ... 468
76-54-0 2',7'-Dichlorofluorescein (Reag. Ph. Eur.) PA-ACS ... 152
76-54-0 2',7'-Dichlorofluorescein in 2-propanol , TLC developer RE ... 152
76-59-5 Bromothymol Blue PA-ACS ... 90
76-59-5 Bromothymol Blue DC ... 90
76-59-5 Bromothymol Blue solution 0,04% RV ... 91
76-59-5 Bromothymol Blue solution 0,4% VINIKIT ... 91
76-60-8 Bromocresol Green PA-ACS ... 86
76-60-8 Bromocresol Green solution 0,04% RV ... 86
76-61-9 Thymol Blue PA-ACS ... 455
76-61-9 Thymol Blue solution 0,04% RV ... 455
76-83-5 Triphenylchloromethane, 98% PS ... 471
76-93-7 Benzilic Acid, 99% PS ... 73
77-06-5 Gibberellic Acid, 90% PS ... 203
77-09-8 Phenolphthalein (Reag. Ph. Eur.) PA-ACS ... 322
77-09-8 Phenolphthalein (BP, Ph. Eur.) PRS-CODEX ... 323
77-73-6 Dicyclopentadiene, 90% stabilized with 100-200 ppm of tert-butylphenolene PS ... 155
77-76-9 2,2-Dimethoxypropane, 98% PS ... 162
77-78-1 Dimethyl Sulphate, 99% PS ... 167
77-86-1 Tris (Hydroxymethyl) Aminomethane EQP-ACS ... 472
77-86-1 Tris (Hydroxymethyl) Aminomethane PA-ACS ... 472
77-86-1 Tris (Hydroxymethyl) Aminomethane (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 472
77-92-9 Citric Acid anhydrous PA-ACS ... 129
77-92-9 Citric Acid anhydrous (RFE, USP, BP, Ph. Eur., JP) PRS-CODEX ... 129
77-92-9 Citric Acid anhydrous (E-330, F.C.C.) ADITIO ... 129
77-92-9 Citric Acid anhydrous, 99% PS ... 129
78-70-6 (±)-Linalool, 95% PS ... 256
78-77-3 1-Bromo-2-Methylpropane, 99% PS ... 89
78-78-4 Isopentane (UV-IR-HPLC) PAI ... 246
78-78-4 Isopentane PA ... 247
78-78-4 Isopentane PRS ... 247
78-83-1 Isobutanol (UV-IR-HPLC) PAI ... 242
78-83-1 Isobutanol (Reag. Ph. Eur.) PA-ACS ... 243
78-83-1 Isobutanol PRS ... 243
78-83-1 Isobutanol (F.C.C.) ADITIO ... 243
78-83-1 Isobutanol, 99% PS ... 243
78-92-2 2-Butanol (Reag. Ph. Eur.) PA ... 97
78-92-2 2-Butanol, 99% PS ... 97
78-93-3 Butanone (Methylethylketone) (UV-IR-HPLC) PAI ... 97
78-93-3 Butanone dry (max. 0,02% water) (Methylethylketone) DS-ACS ... 98
78-93-3 Butanone (Methylethylketone) (Reag. USP, Ph. Eur.) PA-ACS ... 98
78-93-3 Butanone (Methylethylketone) PRS ... 98
78-93-3 Butanone (Methylethylketone) (F.C.C.) ADITIO ... 98
78-93-3 Butanone, 99,5% (Methylethylketone) PS ... 98
79-01-6 Trichloroethylene, stabilized with ethanol (Reag. Ph. Eur.) PA-ACS ... 463
79-01-6 Trichloroethylene, stabilized with ethanol PRS ... 463
79-01-6 Trichloroethylene, 99% stabilized with ethanol PS ... 463
79-03-8 Propionyl Chloride, 98% PS ... 366
79-06-1 Acrylamide PB ... 32
79-06-1 Acrylamide, 99% PS ... 32
79-08-3 Bromoacetic Acid, 99% PS ... 83
79-09-4 Propionic Acid (Reag. Ph. Eur.) PA-ACS ... 365
79-09-4 Propionic Acid (E-280, F.C.C.) ADITIO ... 365
79-09-4 Propionic Acid, 99% PS ... 365
79-10-7 Acrylic Acid, 99% stabilized with hydroquinone monomethyl ether PS ... 32
79-14-1 Glycolic Acid ~ 65% PS ... 208
79-19-6 Thiosemicarbazide PA ... 454
79-19-6 Thiosemicarbazide, 98% PS ... 454
79-20-9 Methyl Acetate PRS ... 279
79-20-9 Methyl Acetate, 99% PS ... 280
79-21-0 Peracetic Acid solution 15% w/w RE ... 314
79-24-3 Nitroethane PRS ... 303
79-27-6 1,1,2,2-Tetrabromoethane PRS ... 449
79-27-6 1,1,2,2-Tetrabromoethane, 98,5% PS ... 449
79-33-4 L(+)-Lactic Acid PA ... 250
79-33-4 L(+)-Lactic Acid (RFE, BP, Ph. Eur.) PRS-CODEX ... 250
79-33-4 L(+)-Lactic Acid (F.C.C.) ADITIO ... 250
79-34-5 1,1,2,2-Tetrachloroethane, 98% PS ... 450
79-37-8 Oxalyl Chloride, 98% PS ... 308
79-40-3 Rubeanic Acid PRS ... 372
79-43-6 Dichloroacetic Acid, 98% PS ... 149
80-73-9 1,3-Dimethyl-2-Imidazolidinone, 98% PS ... 166
81-88-9 Rhodamine B (C.I. 45170) PA ... 371
81-88-9 Rhodamine B (C.I. 45170) DC ... 371
81-88-9 Rhodamine B in ethanol absolute, TLC developer RE ... 371
83-07-8 4-Aminoantipyrine, 98% PS ... 41
84-58-2 2,3-Dichloro-5,6-Dicyano-1,4-Benzoquinone, 98% PS ... 150
84-65-1 Anthraquinone, 98% PS ... 60
84-66-2 Diethyl Phthalate, 99% PS ... 158
84-74-2 Di-n-Butyl Phthalate (Reag. USP, Ph. Eur.) PA ... 149
84-74-2 Di-n-Butyl Phthalate PRS ... 149
84-74-2 Di-n-Butyl Phthalate, 99% PS ... 149
84-74-2 Di-n-Butyl Phthalate (RFE, BP, Ph. Eur., JP) CODEX .. 149
85-41-6 Phthalimide, 98% PS ... 330
85-44-9 Phthalic Anhydride PA-ACS ... 330
85-44-9 Phthalic Anhydride, 98% PS ... 330
85-83-6 Sudan IV (C.I. 26105) DC ... 440
85-86-9 Sudan III (C.I. 26100) DC ... 440
86-73-7 Fluorene, 98% PS ... 191
86-87-3 1-Naphthaleneacetic Acid, 97% PS ... 293
87-41-2 Phthalide, 99% PS ... 330
87-51-4 1H-Indole-3-Acetic Acid, 98% PS ... 236
87-66-1 Pyrogallic Acid (Reag. Ph. Eur.) PA-ACS ... 369
87-66-1 Pyrogallic Acid, 99% PS ... 369
87-69-4 L(+)-Tartaric Acid PA-ACS-ISO ... 448
87-69-4 L(+)-Tartaric Acid PRS ... 448
87-69-4 L(+)-Tartaric Acid (RFE, USP-NF, BP, Ph. Eur.) CODEX ... 448
87-69-4 L(+)-Tartaric Acid (E-334, F.C.C.) ADITIO ... 448
87-69-4 L(+)-Tartaric Acid QP ... 448
87-89-8 myo-Inositol, 99% PS ... 236
87-91-2 Diethyl L(+)-Tartrate, 99% PS ... 159
88-06-2 2,4,6-Trichlorophenol, 98% PS ... 467
88-14-2 2-Furoic Acid, 98% PS ... 201
88-65-3 2-Bromobenzoic Acid, 99% PS ... 84
88-75-5 2-Nitrophenol, 98% PS ... 303
88-89-1 Picric Acid moistened with ~33% of H_2O (Reag. Ph. Eur.) PRS ... 330
88-89-1 Picric Acid, 98% moistened with ~33% of H_2O PS ... 330
88-89-1 Picric Acid saturated solution DC ... 330
88-99-3 Phthalic Acid, 99,5% PS ... 329
89-57-6 5-Amino-2-Hydroxybenzoic Acid, 97% PS ... 42
89-83-8 Thymol (Reag. USP, Ph. Eur.) PA ... 455
89-83-8 Thymol PRS ... 455
89-97-4 2-Chlorobenzylamine, 97% PS ... 123
89-98-5 2-Chlorobenzaldehyde, 99% PS ... 121
89-99-6 2-Fluorobenzylamine, 97% PS ... 193
90-11-9 1-Bromonaphthalene, 96% PS ... 89
90-13-1 1-Chloronaphthalene, 93% PS ... 125
90-15-3 1-Naphthol (Reag. USP, Ph. Eur.) PA ... 293
90-15-3 1-Naphthol, 99% PS ... 293
90-27-7 2-Phenylbutyric Acid, 98% PS ... 325
90-43-7 2-Hydroxybiphenyl, 98% PS ... 231
90-44-8 Anthrone (Reag. Ph. Eur.) PA-ACS ... 60
90-44-8 Anthrone, 98% PS ... 61
91-17-8 Decahydronaphthalene, 98% isomers mixture PS ... 144
91-20-3 Naphthalene PRS ... 293
91-20-3 Naphthalene, 98% PS ... 293
91-22-5 Quinoline, 96% PS ... 370
91-56-5 Isatin (Reag. Ph. Eur.) PA ... 242
91-56-5 Isatin, 98% PS ... 242
91-64-5 Coumarin, 97% PS ... 137
92-52-4 Biphenyl, 99% PS ... 77
92-66-0 4-Bromobiphenyl, 98% PS ... 85
92-87-5 Benzidine PA ... 73
92-87-5 Benzidine, 99% PS ... 73
93-55-0 Propiophenone, 99% PS ... 366
93-58-3 Methyl Benzoate PRS ... 280
93-58-3 Methyl Benzoate, 99% PS ... 281
93-60-7 Methyl Nicotinate, 99% PS ... 285
93-89-0 Ethyl Benzoate PRS ... 182
93-89-0 Ethyl Benzoate, 99% PS ... 182
94-13-3 Propyl 4-Hydroxybenzoate, 99% PS ... 366
94-36-0 Benzoyl Peroxide humidified with ~25% of H_2O (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 75
94-36-0 Benzoyl Peroxide humidified with ~25% of H_2O (F.C.C.) ADITIO ... 75
94-36-0 Benzoyl Peroxide, 98% humidified with ~25% of H_2O PS ... 75
95-14-7 1H-Benzotriazole, 99% PS ... 74
95-25-0 5-Chloro-2-Benzoxazolone, 98% PS ... 123
95-45-4 Dimethylglyoxime (Reag. Ph. Eur.) PA-ACS ... 166
95-46-5 2-Bromotoluene, 98% PS ... 91
95-47-6 o-Xylene (Reag. USP, Ph. Eur.) PA ... 482
95-47-6 o-Xylene PRS ... 483
95-47-6 o-Xylene, 99% PS ... 483
95-48-7 o-Cresol, 99% PS ... 137
95-50-1 1,2-Dichlorobenzene (UV-HPLC-GPC) PAI ... 150
95-50-1 1,2-Dichlorobenzene (Reag. USP, Ph. Eur.) PA ... 150
95-50-1 1,2-Dichlorobenzene, 98% PS ... 150
95-52-3 2-Fluorotoluene, 99% PS ... 195
95-53-4 o-Toluidine PA ... 460
95-53-4 o-Toluidine stabilized PA ... 460
95-53-4 o-Toluidine, 99% PS ... 460
95-55-6 2-Aminophenol, 98% PS ... 43
95-56-7 2-Bromophenol, 98% PS ... 89
95-57-8 2-Chlorophenol PA ... 126
95-57-8 2-Chlorophenol, 99% PS ... 126
95-92-1 Diethyl Oxalate, 98,5% PS ... 158
96-22-0 Diethylketone, 99% PS ... 158
96-31-1 1,3-Dimethylurea, 98% PS ... 168
96-33-3 Methyl Acrylate, 99% stabilized with ~50 ppm of M.E.H.Q. PS ... 280
96-41-3 Cyclopentanol, 99% PS ... 142
96-47-9 2-Methyltetrahydrofuran stabilized with ~300 ppm of BHT PS ... 289
96-48-0 γ-Butyrolactone, 99% PS ... 102
97-00-7 1-Chloro-2,4-Dinitrobenzene PA ... 124
97-00-7 1-Chloro-2,4-Dinitrobenzene, 98% PS ... 125
97-51-8 5-Nitrosalicylaldehyde, 98% PS ... 304
97-59-6 Allantoin (BP, Ph. Eur.) PRS-CODEX ... 38
97-59-6 Allantoin, 98% PS ... 38
98-00-0 Furfuryl Alcohol, 98% PS ... 201
98-01-1 Furfural stabilized with ~0,1% of BHT (Reag. USP, Ph. Eur.) PA-ACS ... 201
98-01-1 Furfural, 98% stabilized with ~0,1% of BHT PS ... 201
98-05-5 Phenylarsonic Acid, 97% PS ... 324
98-17-9 3-(Trifluoromethyl) Phenol, 98% PS ... 470
98-29-3 4-tert-Butylpyrocatechol, 99% PS ... 102
98-55-5 α-Terpineol, 70% PS ... 449
98-59-9 4-Toluenesulphonyl Chloride, 98% PS ... 460
98-60-2 4-Chlorobenzenesulfonyl Chloride, 97% PS ... 123
98-86-2 Acetophenone (F.C.C.) ADITIO ... 29
98-86-2 Acetophenone, 98% PS ... 29
98-88-4 Benzoyl Chloride (Reag. Ph. Eur.) PA-ACS ... 75
98-88-4 Benzoyl Chloride, 99% PS ... 75
98-95-3 Nitrobenzene (Reag. Ph. Eur.) PA-ACS ... 302
98-95-3 Nitrobenzene, 99% PS ... 302
99-09-2 3-Nitroaniline, 98% PS ... 302

99-10-5 3,5-Dihydroxybenzoic Acid, 99% PS ... 160
99-11-6 Citrazinic Acid, 97% PS ... 129
99-33-2 3,5-Dinitrobenzoyl Chloride, 98% PS ... 169
99-34-3 3,5-Dinitrobenzoic Acid, 98% PS ... 169
99-50-3 3,4-Dihydroxybenzoic Acid, 98% PS ... 160
99-52-5 2-Methyl-4-Nitroaniline, 98% PS ... 285
99-57-0 2-Amino-4-Nitrophenol, 98% PS ... 43
99-65-0 1,3-Dinitrobenzene (Reag. USP, Ph. Eur.) PA ... 168
99-65-0 1,3-Dinitrobenzene, 98% PS ... 168
99-76-3 Methyl 4-Hydroxybenzoate (RFE, USP-NF, BP, Ph. Eur., JP) PRS-CODEX ... 284
99-76-3 Methyl 4-Hydroxybenzoate (E-218, F.C.C.) ADITIO ... 284
99-85-4 γ-Terpinene, 95% PS ... 449
99-90-1 4'-Bromoacetophenone, 98% PS ... 84
99-93-4 4'-Hydroxyacetophenone, 98% PS ... 231
99-96-7 4-Hydroxybenzoic Acid, 99% PS ... 231
100-01-6 4-Nitroaniline, 98% PS ... 302
100-02-7 4-Nitrophenol PA ... 303
100-02-7 4-Nitrophenol, 98% PS ... 304
100-09-4 4-Methoxybenzoic Acid, 99% PS ... 279
100-10-7 4-(Dimethylamino) Benzaldehyde (Reag. Ph. Eur.) PA-ACS ... 163
100-10-7 4-(Dimethylamino) Benzaldehyde PA ... 163
100-10-7 4-(Dimethylamino) Benzaldehyde, 99% PS ... 163
100-11-8 4-Nitrobenzyl Bromide, 98% PS ... 302
100-41-4 Ethylbenzene, 99% PS ... 182
100-42-5 Styrene, 99% stabilized with 4-tert-Butyl Pyrocatechol PS ... 439
100-44-7 Benzyl Chloride, 99% PS ... 76
100-47-0 Benzonitrile, 99% PS ... 74
100-51-6 Benzyl Alcohol PA-ACS ... 75
100-51-6 Benzyl Alcohol (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 76
100-51-6 Benzyl Alcohol (E-1519, F.C.C.) ADITIO ... 76
100-51-6 Benzyl Alcohol, 99% PS ... 76
100-52-7 Benzaldehyde, 99% PS ... 70
100-58-3 Phenylmagnesium Bromide 1,2M in THF PS ... 325
100-63-0 Phenylhydrazine (Reag. USP) PA ... 325
100-63-0 Phenylhydrazine, 98% PS ... 325
100-66-3 Anisole, 99% PS ... 60
100-82-3 3-Fluorobenzylamine, 97% PS ... 193
100-97-0 Hexamethylenetetramine (Reag. Ph. Eur.) PA-ACS ... 213
100-97-0 Hexamethylenetetramine PRS ... 213
100-97-0 Hexamethylenetetramine, 99% PS ... 214
102-08-9 1,3-Diphenylthiourea PA ... 172
102-08-9 1,3-Diphenylthiourea, 98% PS ... 172
102-54-5 Ferrocene, 98% PS ... 190
102-71-6 Triethanolamine PA ... 468
102-71-6 Triethanolamine (USP-NF) PRS-CODEX ... 468
102-71-6 Triethanolamine (BP, Ph. Eur.) CODEX ... 468
102-71-6 Triethanolamine, 98% PS ... 468
102-76-1 Glycerol tri-Acetate (USP, BP, Ph. Eur.) PRS-CODEX ... 207
102-76-1 Glycerol tri-Acetate (E-1518, F.C.C.) ADITIO ... 207
102-82-9 Tri-n-Butylamine, 99% PS ... 461
103-03-7 1-Phenylsemicarbazide, 99% PS ... 326
103-45-7 2-Phenylethyl Acetate, 98% PS ... 325
103-47-9 2-Cyclohexylaminoethanosulphonic Acid PB ... 142
103-74-2 2-(2-Hydroxyethyl) Pyridine, 98% PS ... 232
103-82-2 Phenylacetic Acid, 99% PS ... 324
103-84-4 Acetanilide (Reag. USP) PA ... 20
103-84-4 Acetanilide PRS ... 20
103-84-4 Acetanilide, 99% PS ... 21
103-88-8 4-Bromoacetanilide, 98% PS ... 83
103-89-9 4'-Methylacetanilide, 98% PS ... 279
104-55-2 Cinnamaldehyde, 98% PS ... 129
104-76-7 2-Ethyl-1-Hexanol PA ... 187
104-76-7 2-Ethyl-1-Hexanol, 99% PS ... 188
104-86-9 4-Chlorobenzylamine, 98% PS ... 123
105-36-2 Ethyl Bromoacetate, 98% PS ... 182
105-53-3 Diethyl Malonate, 99% PS ... 158
106-24-1 Geraniol, 97% PS ... 203
106-38-7 4-Bromotoluene, 98% PS ... 91
106-40-1 4-Bromoaniline (Reag. USP) PA ... 84
106-40-1 4-Bromoaniline, 98% PS ... 84
106-41-2 4-Bromophenol, 98 % PS ... 90
106-42-3 p-Xylene (Reag. USP) PA ... 483
106-42-3 p-Xylene PRS ... 484
106-42-3 p-Xylene, 99% PS ... 484
106-44-5 p-Cresol, 98,5% PS ... 137
106-46-7 1,4-Dichlorobenzene, 99% PS ... 150
106-49-0 p-Toluidine, 99% PS ... 461
106-51-4 1,4-Benzoquinone, 99% PS ... 74
106-70-7 Methyl Hexanoate, 98% PS ... 284
106-89-8 Epichlorohydrin, 98% PS ... 175
107-06-2 1,2-Dichloroethane (UV-IR-HPLC-GPC) PAI ... 151
107-06-2 1,2-Dichloroethane dry (max. 0,005% water) DS-ACS ... 151
107-06-2 1,2-Dichloroethane (Reag. Ph. Eur.) PA-ACS ... 151
107-06-2 1,2-Dichloroethane PRS ... 151
107-06-2 1,2-Dichloroethane, 99,5% PS ... 151
107-07-3 2-Chloroethanol, 99% PS ... 125
107-08-4 1-Iodopropane, 98% stabilized with copper PS ... 239
107-12-0 Propionitrile (UV-HPLC) PAI ... 365
107-12-0 Propionitrile, 99% PS ... 366
107-13-1 Acrylonitrile, 99% stabilized with hydroquinone mono-methyl ether PS ... 32
107-15-3 Ethylenediamine PA ... 183
107-15-3 Ethylenediamine, 99% PS ... 183
107-18-6 Allyl Alcohol, 99% PS ... 38
107-21-1 Ethylene Glycol (Reag. USP, Ph. Eur.) PA ... 185
107-21-1 Ethylene Glycol PRS ... 186
107-21-1 Ethylene Glycol, 99% PS ... 186
107-22-2 Glyoxal solution 40% PS ... 208
107-31-3 Methyl Formate, 97% PS ... 283
107-35-7 Taurine, 99% PS ... 449
107-41-5 2-Methyl-2,4-Pentanediol (USP-NF) PRS-CODEX ... 285
107-88-0 1,3-Butanediol, 99% PS ... 95
107-92-6 n-Butyric Acid, 99% PS ... 102
107-98-2 1-Methoxy-2-Propanol PRS ... 279
107-98-2 1-Methoxy-2-Propanol, 99% PS ... 279
108-10-1 4-Methyl-2-Pentanone (Reag. Ph. Eur.) PA-ACS ... 286
108-10-1 4-Methyl-2-Pentanone (USP-NF) PRS-CODEX ... 286
108-10-1 4-Methyl-2-Pentanone, 99% PS ... 286
108-11-2 4-Methyl-2-Pentanol, 97% PS ... 286
108-13-4 Malonamide, 99% PS ... 266
108-18-9 Di-Isopropylamine, 99% PS ... 161
108-20-3 Di-Isopropyl Ether stabilized with ~50 ppm of BHT PA-ACS ... 161
108-20-3 Di-Isopropyl Ether stabilized with ~50 ppm of BHT PRS ... 161
108-20-3 Di-Isopropyl Ether, 99% stabilized with ~50 ppm of BHT PS ... 161
108-21-4 Isopropyl Acetate PA ... 247
108-21-4 Isopropyl Acetate PRS ... 247
108-21-4 Isopropyl Acetate, 99% PS ... 247
108-24-7 Acetic Anhydride (Reag. Ph. Eur.) PA-ACS-ISO ... 24
108-24-7 Acetic Anhydride PRS ... 24
108-24-7 Acetic Anhydride, 98% PS ... 24
108-30-5 Succinic Anhydride, 99% PS ... 439
108-31-6 Maleic Anhydride, 98% PS ... 265
108-32-7 Propylene Carbonate, 99% PS ... 366
108-36-1 1,3-Dibromobenzene, 97% PS ... 148
108-38-3 m-Xylene (Reag. Ph. Eur.) PA ... 483
108-38-3 m-Xylene PRS ... 483
108-38-3 m-Xylene, 98,5% PS ... 483
108-43-0 3-Chlorophenol, 98% PS ... 126
108-46-3 Resorcinol PA ... 371
108-46-3 Resorcinol (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 371
108-46-3 Resorcinol, 99% PS ... 371
108-48-5 2,6-Dimethylpyridine, 98% PS ... 167
108-68-9 3,5-Dimethylphenol, 99% PS ... 166
108-83-8 Di-Isobutylketone PRS ... 160
108-83-8 Di-Isobutylketone, 98% PS ... 160
108-86-1 Bromobenzene, 99% PS ... 84
108-87-2 Methylcyclohexane dry (max. 0,005% water) DS ... 282
108-87-2 Methylcyclohexane, 99% PS ... 282
108-88-3 Toluene (UV-IR-HPLC-HPLC preparative-GPC) PAI-ACS ... 458
108-88-3 Toluene (PAR) PAI ... 458
108-88-3 Toluene dry (max. 0,005% water) DS-ACS-ISO ... 459
108-88-3 Toluene (Reag. Ph. Eur.) PA-ACS-ISO ... 459
108-88-3 Toluene PRS ... 459
108-88-3 Toluene, 99,5% PS ... 459
108-88-3 Toluene QP ... 459
108-90-7 Chlorobenzene dry (max. 0,01% water) DS-ACS ... 122
108-90-7 Chlorobenzene (Reag. USP) PA-ACS ... 122
108-90-7 Chlorobenzene PRS ... 122
108-90-7 Chlorobenzene, 99,5% PS ... 123
108-91-8 Cyclohexylamine, 99% PS ... 142
108-93-0 Cyclohexanol PRS ... 141
108-93-0 Cyclohexanol, 99% PS ... 141
108-94-1 Cyclohexanone PA-ACS ... 141
108-94-1 Cyclohexanone, 99,5% PS ... 142
108-94-1 Cyclohexanone QP ... 142
108-95-2 Phenol PA-ACS ... 321
108-95-2 Phenol crystallized (detached crystals) PA-ACS ... 322
108-95-2 Phenol crystallized (detached crystals) (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 322
108-95-2 Phenol crystallized, 99% (detached crystals) PS ... 322
108-95-2 Phenol 90% aqueous solution (USP) PRS-CODEX ... 322
109-01-3 1-Methylpiperazine, 98% PS ... 286
109-02-4 N-Methylmorpholine, 98% PS ... 285
109-06-8 2-Methylpyridine, 98% PS ... 287
109-57-9 N-Allylthiourea, 98% PS ... 38
109-63-7 Boron Trifluoride-Diethyl Ether (complex) PS ... 82
109-65-9 1-Bromobutane, 98% PS ... 85
109-66-0 n-Pentane (UV-IR-HPLC) PAI ... 311
109-66-0 n-Pentane (PAR) PAI ... 311
109-66-0 n-Pentane (Reag. USP, Ph. Eur.) PA ... 311
109-66-0 n-Pentane PRS ... 312
109-66-0 n-Pentane 95% (UV-IR-HPLC) PAI ... 312
109-66-0 n-Pentane 95% (PAR) PAI ... 312
109-66-0 n-Pentane 95% dry (max. 0,005% water) DS ... 312
109-66-0 n-Pentane 95% PA ... 312
109-66-0 n-Pentane 95% PS ... 313
109-69-3 1-Chlorobutane (UV-IR-HPLC) PAI ... 124
109-69-3 1-Chlorobutane (Reag. USP) PA ... 124
109-69-3 1-Chlorobutane, 99% PS ... 124
109-80-8 1,3-Propanedithiol, 98% PS ... 361
109-86-4 Ethylene Glycol mono-Methyl Ether PA-ACS ... 187
109-86-4 Ethylene Glycol mono-Methyl Ether, 99% PS ... 187
109-87-5 Formaldehyde Dimethylacetal , 98% PS ... 197
109-89-7 Diethylamine (Reag. USP, Ph. Eur.) PA-ACS ... 155
109-89-7 Diethylamine, 99,5% PS ... 155
109-95-5 Ethyl Nitrite 50% in ethanol 96% v/v PS ... 188
109-97-7 Pyrrole, 98% PS ... 369
109-99-9 Tetrahydrofuran (UV-IR-HPLC-GPC) PAI ... 451
109-99-9 Tetrahydrofuran dry (max. 0,0075% water) stabilized with ~300 ppm of BHT DS-ACS ... 452
109-99-9 Tetrahydrofuran stabilized with ~300 ppm of BHT PA-ACS ... 452
109-99-9 Tetrahydrofuran stabilized with ~300 ppm of BHT PRS ... 452
109-99-9 Tetrahydrofuran, 99,5% stabilized with ~300 ppm of BHT PS ... 452
110-15-6 Succinic Acid (Reag. USP, Ph. Eur.) PA-ACS ... 439
110-15-6 Succinic Acid (E-363, F.C.C.) ADITIO ... 439
110-15-6 Succinic Acid, 99% PS ... 439
110-16-7 Maleic Acid (RFE, BP, Ph. Eur.) PRS-CODEX ... 265
110-16-7 Maleic Acid, 99% PS ... 265
110-17-8 Fumaric Acid (USP-NF) PRS-CODEX ... 201
110-17-8 Fumaric Acid (E-297, F.C.C.) ADITIO ... 201
110-17-8 Fumaric Acid, 99% PS ... 201
110-19-0 Isobutyl Acetate (Reag. USP) PA ... 243
110-19-0 Isobutyl Acetate, 99% PS ... 243
110-27-0 Isopropyl Myristate, 98% PS ... 248
110-30-5 Micropowder Wax (Licowax C®) PA ... 290
110-42-9 Methyl Decanoate, 98% PS ... 283
110-44-1 Sorbic Acid (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 418
110-44-1 Sorbic Acid (E-200, F.C.C.) ADITIO ... 418
110-46-3 Isoamyl Nitrite, 95% stabilized with ~0,5% of sodium carbonate anhydrous PS ... 242
110-53-2 1-Bromopentane, 99% PS ... 89
110-54-3 n-Hexane (UV-IR-HPLC) PAI ... 214
110-54-3 n-Hexane (Reag. USP, Ph. Eur.) PA-ACS ... 214
110-54-3 n-Hexane PRS ... 214
110-54-3 n-Hexane 95% (UV-IR-HPLC) PAI-ACS ... 215
110-54-3 n-Hexane 95% (PAR) PAI ... 215
110-54-3 n-Hexane 95% dry (max. 0,005% water) DS-ACS ... 215
110-54-3 n-Hexane 95% PA-ACS ... 215
110-54-3 n-Hexane 95% PRS ... 216
110-54-3 n-Hexane 95% PS ... 216
110-63-4 1,4-Butanediol, 99% PS ... 95
110-71-4 Ethylene Glycol di-Methyl Ether PA ... 187
110-71-4 Ethylene Glycol di-Methyl Ether, 99% PS ... 187
110-80-5 Ethylene Glycol mono-Ethyl Ether (Reag. USP, Ph. Eur.) PA ... 186
110-80-5 Ethylene Glycol mono-Ethyl Ether PRS ... 186
110-80-5 Ethylene Glycol mono-Ethyl Ether, 99% PS ... 186
110-82-7 Cyclohexane (UV-IR-HPLC) PAI-ACS ... 140
110-82-7 Cyclohexane (PAR) PAI ... 140
110-82-7 Cyclohexane dry (max. 0,005% water) DS-ACS-ISO ... 140
110-82-7 Cyclohexane (Reag. Ph. Eur.) PA-ACS-ISO ... 140
110-82-7 Cyclohexane PRS ... 141
110-82-7 Cyclohexane, 99,5% PS ... 141
110-82-7 Cyclohexane QP ... 141
110-83-8 Cyclohexene, 99% stabilized with ~100 ppm of BHT PS ... 142
110-85-0 Piperazine anhydrous, 98% PS ... 330
110-86-1 Pyridine dry (max. 0,01% water) DS-ACS ... 367
110-86-1 Pyridine (Reag. Ph. Eur.) PA-ACS ... 367
110-86-1 Pyridine PRS ... 367
110-86-1 Pyridine, 99% PS ... 367
110-86-1 Pyridine (max. 0,02% water) according to Karl Fischer RE ... 368
110-87-2 3,4-Dihydro-2H-Pyran, 98% PS ... 160
110-89-4 Piperidine (Reag. Ph. Eur.) PA ... 331
110-89-4 Piperidine BS ... 331
110-89-4 Piperidine, 99% PS ... 331
110-91-8 Morpholine (Reag. Ph. Eur.) PA-ACS ... 291
110-91-8 Morpholine, 98% PS ... 291
110-97-4 Di-Isopropanolamine, 99% PS ... 161
110-98-5 Dipropylene Glycol, 98% isomers mixture PS ... 172
111-11-5 Methyl Octanoate, 98% PS ... 285
111-14-8 Heptanoic Acid, 98,5% PS ... 212
111-17-1 3,3'-Thiodipropionic Acid, 99% PS ... 454
111-25-1 1-Bromohexane, 98% PS ... 88
111-27-3 1-Hexanol, 98% PS ... 217
111-30-8 Glutaraldehyde solution 25% PS ... 205
111-30-8 Glutaraldehyde solution 25% DC ... 205
111-30-8 Glutaraldehyde solution 50% PS ... 205
111-40-0 Diethylenetriamine, 98% PS ... 156
111-42-2 Diethanolamine PA-ACS ... 155
111-42-2 Diethanolamine, 98% PS ... 155
111-46-6 Diethylene Glycol (Reag. USP, Ph. Eur.) PA ... 156
111-46-6 Diethylene Glycol, 98% PS ... 156
111-64-8 Octanoyl Chloride, 98% PS ... 305
111-65-9 n-Octane, 99% PS ... 304
111-66-0 1-Octene, 97% PS ... 306
111-76-2 Ethylene Glycol mono-Butyl Ether PRS ... 186
111-77-3 Diethylene Glycol mono-Methyl Ether, 98% PS ... 156
111-82-0 Methyl Laurate, 98% PS ... 284
111-87-5 1-Octanol (Reag. USP) PA-ACS ... 305
111-87-5 1-Octanol, 99% PS ... 305
111-90-0 Diethylene Glycol mono-Ethyl Ether, 98% PS ... 156
111-92-2 Di-n-Butylamine, 99% PS ... 148
112-13-0 Decanoyl Chloride, 98% PS ... 145
112-27-6 Triethylene Glycol, 99% PS ... 468
112-34-5 Diethylene Glycol mono-Butyl Ether, 98% PS ... 156
112-36-7 Diethylene Glycol Diethyl Ether, 98% PS ... 156
112-39-0 Methyl Palmitate, 98% PS ... 285
112-53-8 1-Dodecanol (Reag. USP) PA-ACS ... 173
112-53-8 1-Dodecanol (F.C.C.) ADITIO ... 173
112-53-8 1-Dodecanol, 98% PS ... 173
112-61-8 Methyl Stearate, 98% PS ... 289
112-80-1 Oleic Acid (USP) PRS-CODEX ... 306
112-92-5 Stearyl Alcohol, 96% PS ... 438
113-24-6 Sodium Pyruvate PB ... 412
115-39-9 Bromophenol Blue PA-ACS ... 90
115-39-9 Bromophenol Blue DC ... 90
115-39-9 Bromophenol Blue solution 0,04% RV ... 90
115-40-2 Bromocresol Purple PA ... 86
115-40-2 Bromocresol Purple solution 0,025% RV ... 86
115-40-2 Bromocresol Purple solution 0,04% RV ... 86
115-40-2 Bromocresol Purple 0,2% tablets 0,1g RV ... 87
115-41-3 Pyrocatechol Violet PA ... 369
115-95-7 Linalyl Acetate, 95% PS ... 256
116-53-0 2-Methylbutyric Acid, 98% PS ... 282
116-63-2 1-Amino-2-Naphthol-4-Sulphonic Acid (Reag. USP) PA-ACS ... 43
117-81-7 Bis (2-Ethylhexyl) Phthalate, 98% PS ... 78
117-92-0 Quinaldine Red PA ... 370
118-10-5 Cinchonine (Reag. USP, Ph. Eur.) PA ... 128
118-92-3 2-Aminobenzoic Acid (Anthranilic Acid) (Reag. Ph. Eur.) PA ... 41
118-92-3 2-Aminobenzoic Acid, 99% (Anthranilic Acid) PS ... 41
118-97-8 4-Chloro-3,5-Dinitrobenzoic Acid, 99% PS ... 125
119-26-6 2,4-Dinitrophenylhydrazine moistened with ~33% of H_2O (Reag. Ph. Eur.) PA ... 169
119-26-6 2,4-Dinitrophenylhydrazine, 99% moistened with ~33% of H_2O PS ... 169
119-36-8 Methyl Salicylate synthetic (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 289
119-36-8 Methyl Salicylate, 99% PS ... 289
119-53-9 Benzoin, 99% PS ... 74
119-61-9 Benzophenone, 99% PS ... 74
119-64-2 1,2,3,4-Tetrahydronaphthalene, 98% PS ... 452
119-93-7 o-Tolidine (Reag. USP, Ph. Eur.) PA ... 458
119-93-7 o-Tolidine solution 0,1% RE ... 458
120-51-4 Benzyl Benzoate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 76
120-51-4 Benzyl Benzoate, 99% PS ... 76
120-72-9 Indole PA ... 236
120-72-9 Indole, 99% PS ... 236
120-80-9 Pyrocatechol (Reag. USP, Ph. Eur.) PA ... 369
120-80-9 Pyrocatechol, 98% PS ... 369
120-82-1 1,2,4-Trichlorobenzene (UV-IR-HPLC-GPC) PAI ... 462
120-82-1 1,2,4-Trichlorobenzene, 98,5% PS ... 462
120-92-3 Cyclopentanone, 99% PS ... 142
121-00-6 2-tert-Butyl-4-Methoxyphenol (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 100
121-00-6 2-tert-Butyl-4-Methoxyphenol (E-320, F.C.C.) ADITIO ... 100
121-14-2 2,4-Dinitrotoluene, 96% PS ... 170
121-33-5 Vanillin (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 477

121-33-5 Vanillin (F.C.C.) ADITIO 477
121-33-5 Vanillin, 99% PS 477
121-43-7 Trimethyl Borate azeotrope with methanol 70:30 PS 470
121-44-8 Triethylamine (Reag. USP) PA 468
121-44-8 Triethylamine, 99,5% PS 468
121-54-0 Benzethonium Chloride (Reag. Ph. Eur.) PA 72
121-54-0 Benzethonium Chloride (USP, BP, Ph. Eur.) PRS-CODEX 72
121-54-0 Benzethonium Chloride 0,004 mol/l (0,004M) SV 72
121-54-0 Benzethonium Chloride 0,01 mol/l (0,01N) SV 72
121-57-3 Sulphanilic Acid (Reag. Ph. Eur.) PA-ACS 440
121-57-3 Sulphanilic Acid PRS 441
121-57-3 Sulphanilic Acid, 99% PS 441
121-66-4 2-Amino-5-Nitrothiazole, 97% PS 43
121-69-7 N,N-Dimethylaniline PA 164
121-69-7 N,N-Dimethylaniline, 99% PS 164
121-79-9 Propyl Gallate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX 366
121-79-9 Propyl Gallate (E-310, F.C.C.) ADITIO 366
121-98-2 Methyl 4-Methoxybenzoate, 98% PS 284
122-39-4 Diphenylamine (Reag. Ph. Eur.) PA-ACS 171
122-39-4 Diphenylamine PA 171
122-39-4 Diphenylamine, 98% PS 171
122-99-6 2-Phenoxyethanol, 99% PS 323
123-11-5 4-Methoxybenzaldehyde, 98% PS 279
123-30-8 4-Aminophenol, 98% PS 43
123-31-9 Hydroquinone (USP) PRS-CODEX 231
123-31-9 Hydroquinone, 99% PS 231
123-38-6 Propanal, 98% PS 361
123-42-2 4-Hydroxy-4-Methyl-2-Pentanone PRS 233
123-42-2 4-Hydroxy-4-Methyl-2-Pentanone, 98% PS 233
123-51-3 3-Methyl-1-Butanol (Reag. Ph. Eur.) PA-ACS 281
123-51-3 3-Methyl-1-Butanol according to Gerber PA 281
123-51-3 3-Methyl-1-Butanol PRS 281
123-51-3 3-Methyl-1-Butanol, 98% PS 282
123-54-6 2,4-Pentanedione (Reag. USP, Ph. Eur.) PA 313
123-54-6 2,4-Pentanedione, 99% PS 313
123-56-8 Succinimide, 99% PS 439
123-72-8 n-Butyraldehyde, 99% PS 102
123-75-1 Pyrrolidine, 99% PS 369
123-86-4 n-Butyl Acetate (VLSI) EG 99
123-86-4 n-Butyl Acetate (Reag. USP, Ph. Eur.) PA-ACS 99
123-86-4 n-Butyl Acetate PRS 99
123-86-4 n-Butyl Acetate (F.C.C.) ADITIO 99
123-86-4 n-Butyl Acetate, 99% PS 99
123-91-1 1,4-Dioxan stabilized with ~2 ppm of BHT (UV-IR-HPLC) PAI 170
123-91-1 1,4-Dioxan dry (max. 0,01% water) stabilized with ~25 ppm of BHT DS-ACS-ISO 170
123-91-1 1,4-Dioxan stabilized with ~25 ppm of BHT (Reag. Ph. Eur.) PA-ACS-ISO 170
123-91-1 1,4-Dioxan stabilized with ~25 ppm of BHT PRS 171
123-91-1 1,4-Dioxan, 99,5% stabilized with ~25 ppm of BHT PS 171
123-92-2 Isoamyl Acetate PA 242
123-92-2 Isoamyl Acetate PRS 242
123-92-2 Isoamyl Acetate, 98% PS 242
124-04-9 Adipic Acid (USP, BP, Ph. Eur.) PRS-CODEX 32
124-04-9 Adipic Acid (E-355, F.C.C.) ADITIO 33
124-04-9 Adipic Acid, 99% PS 33
124-07-2 Octanoic Acid (RFE, BP, Ph. Eur.) PRS-CODEX 305
124-07-2 Octanoic Acid (E-570, F.C.C.) ADITIO 305
124-07-2 Octanoic Acid, 99% PS 305
124-09-4 Hexamethylenediamine, 99% PS 213
124-10-7 Methyl Myristate, 98% PS 285
124-17-4 Diethylene Glycol mono-Butyl Ether Acetate, 98% PS 156
124-40-3 Dimethylamine solution 40% PS 163
124-41-4 Sodium Methylate solution ~30% in methanol PS 406
124-41-4 Sodium Methylate 0,5 mol/l methanolic PA-ACS 406
124-42-5 Acetamidinium Chloride, 98% PS 20
124-65-2 Cacodylic Acid Sodium Salt 3-hydrate PB 102
124-65-2 Cacodylic Acid Sodium Salt 3-hydrate, 98% PS 102
124-68-5 2-Amino-2-Methyl-1-Propanol, 95% PS 43
125-20-2 Thymolphthalein PA-ACS 455
125-20-2 Thymolphthalein solution 0,1% RV 455
126-81-8 Dimedone PA 161
126-96-5 Sodium Hydrogen di-Acetate PRS 394
126-96-5 Sodium Hydrogen di-Acetate (E-262ii, F.C.C.) ADITIO 394
127-08-2 Potassium Acetate PA-ACS 334
127-08-2 Potassium Acetate PA 334
127-08-2 Potassium Acetate (RFE, BP, Ph. Eur.) PRS-CODEX 335
127-08-2 Potassium Acetate (E-261) ADITIO 335
127-09-3 Sodium Acetate anhydrous (Reag. Ph. Eur.) PA-ACS 379
127-09-3 Sodium Acetate anhydrous (USP) PRS-CODEX 380
127-09-3 Sodium Acetate anhydrous (E-262i, F.C.C.) ADITIO 380
127-09-3 Sodium Acetate 0,1 mol/l (0,1M) RV 380
127-09-3 Sodium Acetate 1 mol/l (1M) RV 381
127-17-3 Pyruvic Acid, 98% PS 370
127-18-4 Tetrachloroethylene (UV-IR-HPLC-GPC) PAI 451
127-18-4 Tetrachloroethylene PRS 451
127-18-4 Tetrachloroethylene, 99,5% PS 451
127-19-5 N,N-Dimethylacetamide (UV-IR-HPLC) PAI 162
127-19-5 N,N-Dimethylacetamide (Reag. Ph. Eur.) PA 162
127-19-5 N,N-Dimethylacetamide (BP, Ph. Eur.) PRS-CODEX 162
127-19-5 N,N-Dimethylacetamide, 99% PS 163
127-82-2 Zinc Phenolsulphonate 8-hydrate PRS 487
127-95-7 Potassium Hydrogen Oxalate PRS 345
128-08-5 N-Bromosuccinimide, 98% PS 90
128-37-0 2,6-Di-tert-Butyl-4-Methylphenol (RFE, BP, Ph. Eur.) PRS-CODEX 148
128-37-0 2,6-Di-tert-Butyl-4-Methylphenol (E-321, F.C.C.) ADITIO 148
128-37-0 2,6-Di-tert-Butyl-4-Methylphenol, 98% PS 149
129-16-8 Mercurydibromofluoroescein PRS 272
129-17-9 Disulphine Blue (C.I. 42045) PA 172
130-15-4 1,4-Naphthoquinone, 97% PS 294
130-22-3 Alizarin Red S (C.I. 58005) PA 37
131-11-3 Dimethyl Phthalate, 99% PS 166
131-91-9 1-Nitroso-2-Naphthol (C.I. 10005) PA 304
133-32-4 1H-Indole-3-Butyric Acid PB 236
133-32-4 1H-Indole-3-Butyric Acid, 99% PS 236
134-03-2 Sodium L(+)-Ascorbate (USP) PRS-CODEX 381
134-03-2 Sodium L(+)-Ascorbate (E-301, F.C.C) ADITIO 381
134-20-3 Methyl 2-Aminobenzoate, 99% PS 280
134-32-7 1-Naphthylamine, 99% PS 294
134-81-6 Benzil, 99% PS 73
134-85-0 4-Chlorobenzophenone, 99% PS 123
135-19-3 2-Naphthol PRS 293
135-19-3 2-Naphthol, 99% PS 293
135-20-6 Cupferron (ACS IX) PA-ACS 139
136-95-8 2-Aminobenzothiazole, 97% PS 41
137-40-6 Sodium Propionate (USP-NF) PRS-CODEX 411
138-52-3 D(-)-Salicin PB 373
139-13-9 Nitrile tri-Acetic Acid (Reag. Ph. Eur.) PA-ACS 301
139-13-9 Nitrile tri-Acetic Acid PRS 301
139-13-9 Nitrile tri-Acetic Acid, 98% PS 302
139-85-5 3,4-Dihydroxybenzaldehyde, 98% PS 160
140-11-4 Benzyl Acetate, 99% PS 75
140-22-7 1,5-Diphenylcarbazide (symmetrical) (Reag. Ph. Eur.) PA-ACS 171
140-22-7 1,5-Diphenylcarbazide PA 172
140-67-0 4-Allylanisole, 98% PS 38
140-75-0 4-Fluorobenzylamine, 97% PS 193
140-89-6 Potassium O-Ethyldithiocarbonate PA 343
140-89-6 Potassium O-Ethyldithiocarbonate, 98% PS 343
141-43-5 Ethanolamine PA-ACS 180
141-43-5 Ethanolamine, 99% PS 180
141-53-7 Sodium Formate (Reag. Ph. Eur.) PA-ACS 393
141-53-7 Sodium Formate PRS 393
141-75-3 Butyryl Chloride, 98% PS 102
141-78-6 Ethyl Acetate (UV-IR-HPLC-HPLC preparative) PAI-ACS 180
141-78-6 Ethyl Acetate (PAR) PAI 181
141-78-6 Ethyl Acetate dry (max. 0,005% water) DS-ACS-ISO 181
141-78-6 Ethyl Acetate (Reag. Ph. Eur.) PA-ACS-ISO 181
141-78-6 Ethyl Acetate PRS 181
141-78-6 Ethyl Acetate (RFE, BP, Ph. Eur., DAB) CODEX 182
141-78-6 Ethyl Acetate (F.C.C.) ADITIO 182
141-78-6 Ethyl Acetate, 99,5% PS 182
141-95-7 Sodium Malonate, 99% PS 406
141-97-9 Ethyl Acetoacetate, 98% PS 182
142-04-1 Anilinium Chloride PA 60
142-04-1 Anilinium Chloride, 99% PS 60
142-61-0 Hexanoyl Chloride, 98% PS 217
142-62-1 Hexanoic Acid, 98% PS 217
142-63-2 Piperazine 6-hydrate PRS 330
142-82-5 n-Heptane (UV-IR-HPLC-HPLC preparative) PAI 210
142-82-5 n-Heptane dry (max. 0,005% water) DS 211
142-82-5 n-Heptane PA 211
142-82-5 n-Heptane PRS 211
142-82-5 n-Heptane, 99% PS 211
142-82-5 n-Heptane (ASTM) RE 211
142-82-5 Heptane, alkanes mixture PA 212
142-82-5 Heptane, alkanes mixture PRS 212
142-82-5 Heptane, alkanes mixture PS 212
142-91-6 Isopropyl Palmitate, 90% PS 248
142-96-1 Di-n-Butyl Ether, 99% PS 148
143-07-7 Lauric Acid, 99% PS 252
143-33-9 Sodium Cyanide PA-ACS 389
143-33-9 Sodium Cyanide PRS 390
143-66-8 Sodium tetra-Phenylborate (Reag. Ph. Eur.) PA-ACS 410
143-74-8 Phenol Red PA-ACS 323
143-74-8 Phenol Red solution 0,02% RV 323
144-02-5 Sodium 5,5-Diethylbarbiturate (Reag. USP, Ph. Eur.) PA 390
144-02-5 Sodium 5,5-Diethylbarbiturate (Ph. Helv.) PRS-CODEX 390
144-33-2 di-Sodium Hydrogen Citrate 1 1/2-hydrate (Reag. Ph. Eur.) PA 395
144-33-2 di-Sodium Hydrogen Citrate 1 1/2-hydrate PRS 395
144-33-2 di-Sodium Hydrogen Citrate 1 1/2-hydrate (E-331ii) ADITIO 395
144-55-8 Sodium Hydrogen Carbonate PA-ACS-ISO 394
144-55-8 Sodium Hydrogen Carbonate (RFE, USP, BP, Ph. Eur.) PRS-CODEX 394
144-55-8 Sodium Hydrogen Carbonate (E-500ii, F.C.C.) ADITIO 395
147-71-7 D(-)-Tartaric Acid, 99% PS 448
147-85-3 L-Proline PB 360
147-85-3 L-Proline (RFE, USP, BP, Ph. Eur.) PRS-CODEX 360
147-85-3 L-Proline (F.C.C.) ADITIO 360
147-85-3 L-Proline, 99% PS 361
148-24-3 8-Hydroxyquinoline (Reag. Ph. Eur.) PA-ACS 234
148-24-3 8-Hydroxyquinoline, 99% PS 234
149-44-0 Sodium Formaldehyde Sulphoxylate x-hydrate (USP-NF) PRS-CODEX 392
149-57-5 2-Ethylhexanoic Acid, 99% PS 187
150-13-0 4-Aminobenzoic Acid, 99% PS 41
150-25-4 N,N-Bis (2-Hydroxyethyl) Glycine PB 78
150-76-5 4-Methoxyphenol, 98% PS 279
150-90-3 Sodium Succinate anhydrous PRS 413
151-21-3 Sodium Dodecyl Sulphate (HPLC) PAI 391
151-21-3 Sodium Dodecyl Sulphate PB 391
151-21-3 Sodium Dodecyl Sulphate PA-ACS 392
151-21-3 Sodium Dodecyl Sulphate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX 392
151-21-3 Sodium Dodecyl Sulphate (F.C.C.) ADITIO 392
151-21-3 Sodium Dodecyl Sulphate solution 10% w/v PRS 392
151-21-3 Sodium Dodecyl Sulphate 0,004 mol/l SV 392
151-50-8 Potassium Cyanide (Reag. Ph. Eur.) PA-ACS-ISO 341
151-50-8 Potassium Cyanide PRS 341
154-17-6 2-Deoxy-D-Glucose PB 145
156-38-7 4-Hydroxyphenylacetic Acid, 98% PS 233
281-23-2 Adamantane, 98% PS 32
288-32-4 Imidazole (Reag. USP, Ph. Eur.) PA-ACS 234
288-32-4 Imidazole, 99% PS 234
298-14-6 Potassium Hydrogen Carbonate PA 345
298-14-6 Potassium Hydrogen Carbonate (RFE, USP, BP, Ph. Eur.) PRS-CODEX 345
298-14-6 Potassium Hydrogen Carbonate (E-501ii, F.C.C.) ADITIO 345
298-96-4 2,3,5-Triphenyl-2H-Tetrazolium Chloride PB 471
302-17-0 Chloral Hydrate (RFE, BP, Ph. Eur.) PRS-CODEX 121
302-72-7 DL-Alanine PRS 36
311-28-4 Tetrabutylammonium Iodide, 98% PS 450
314-13-6 Evans Blue (C.I. 23860) DC 189
321-28-8 2-Fluoroanisole, 99% PS 192
328-50-7 2-Oxoglutaric Acid PRS 308
331-39-5 Caffeic Acid, 99% PS 104
333-20-0 Potassium Thiocyanate (Reag. Ph. Eur.) PA-ACS-ISO 359
333-20-0 Potassium Thiocyanate PA 359
333-20-0 Potassium Thiocyanate PRS 360
333-20-0 Potassium Thiocyanate solution 20% w/v VINIKIT 360
333-20-0 Potassium Thiocyanate solution 5% w/v VINIKIT 360
333-20-0 Potassium Thiocyanate 0,1 mol/l (0,1N) SV 360
334-48-5 Decanoic Acid, 98% PS 144
336-59-4 Heptafluorobutyric Anhydride CG 210
336-59-4 Heptafluorobutyric Anhydride, 99% PS 210
338-69-2 D-Alanine, 98% PS 35
345-35-7 2-Fluorobenzyl Chloride, 98% PS 193
348-54-9 2-Fluoroaniline, 99% PS 192
350-46-9 1-Fluoro-4-Nitrobenzene, 99% PS 194
351-28-0 3'-Fluoroacetanilide, 98% PS 191
351-54-2 3-Fluoro-4-Methoxybenzaldehyde, 98% PS 194
351-83-7 4'-Fluoroacetanilide, 98% PS 191
352-11-4 4-Fluorobenzyl Chloride, 99% PS 194
354-38-1 2,2,2-Trifluoroacetamide, 98% PS 469
361-09-1 Cholic Acid Sodium Salt, 98% PS 127
364-83-0 2',4'-Difluoroacetophenone, 98% PS 159
366-18-7 2,2'-Bipyridine (Reag. USP) PA-ISO 77
366-18-7 2,2'-Bipyridine, 99% PS 78
367-21-5 3-Chloro-4-Fluoroaniline, 98% PS 125
367-24-8 4-Bromo-2-Fluoroaniline, 98% PS 87
367-25-9 2,4-Difluoroaniline, 99% PS 159
369-33-5 3',4'-Difluoroacetophenone, 98% PS 159
369-34-6 1,2-Difluoro-4-Nitrobenzene, 98,5% PS 159
370-81-0 Oxalic Acid Bis (Cyclohexylidene hydrazide) PA 308
371-40-4 4-Fluoroaniline, 99% PS 192
371-42-6 4-Fluorothiophenol, 98% PS 195
372-09-8 Cyanoacetic Acid, 98% PS 139
372-19-0 3-Fluoroaniline, 99% PS 192
372-20-3 3-Fluorophenol, 99% PS 194
383-63-1 Ethyl Trifluoroacetate, 98% PS 189
389-08-2 Nalidixic Acid PB 293
393-52-2 2-Fluorobenzoyl Chloride, 98% PS 193
394-47-8 2-Fluorobenzonitrile, 98% PS 192
399-31-5 2'-Fluoroacetanilide, 98% PS 191
401-95-6 3,5-Bis (Trifluoromethyl) Benzaldehyde, 98% PS 79
403-42-9 4'-Fluoroacetophenone, 98% PS 192
403-54-3 3-Fluorobenzonitrile, 98% PS 193
407-25-0 Trifluoroacetic Anhydride CG 469
407-25-0 Trifluoroacetic Anhydride, 99% PS 469
420-37-1 Trimethyloxonium tetra-Fluoroborate, 97% PS 470
431-03-8 2,3-Butanedione, 98% PS 95
441-38-3 α-Benzoinoxime PA 74
445-27-2 2'-Fluoroacetophenone, 97% PS 191
445-29-4 2-Fluorobenzoic Acid, 98% PS 192
446-08-2 2-Amino-5-Fluorobenzoic Acid, 97% PS 42
446-35-5 1,3-Difluoro-4-Nitrobenzene, 98% PS 159
446-48-0 2-Fluorobenzyl Bromide, 98% PS 193
446-52-6 2-Fluorobenzaldehyde, 97% PS 192
452-63-1 2-Bromo-5-Fluorotoluene, 98% PS 88
454-89-7 3-(Trifluoromethyl) Benzaldehyde, 98% PS 470
455-36-7 3'-Fluoroacetophenone, 98% PS 191
455-91-4 3'-Fluoro-4'-Methoxyacetophenone, 99% PS 194
456-41-7 3-Fluorobenzyl Bromide, 98% PS 193
456-42-8 3-Fluorobenzyl Chloride, 97% PS 194
456-48-4 3-Fluorobenzaldehyde, 99% PS 192
456-49-5 3-Fluoroanisole, 99% PS 192
458-37-7 Curcumin (C.I. 75300) (Reag. Ph. Eur.) PA 139
459-32-5 4-Fluorocinnamic Acid, 98% PS 194
459-46-1 4-Fluorobenzyl Bromide, 97% PS 193
459-57-4 4-Fluorobenzaldehyde, 99% PS 192
461-58-5 1-Cyanoguanidine, 98% PS 139
461-72-3 Hydantoin, 99% PS 219
464-45-9 (-)-Borneol, 98% PS 82
470-82-6 Eucalyptol (USP) PRS-CODEX 189
470-82-6 Eucalyptol, 98% PS 189
470-82-6 Eucalyptol QP 189
471-34-1 Calcium Carbonate precipitated, low content of alkalis PA-ACS-ISO 106
471-34-1 Calcium Carbonate precipitated, low content of alkalis PA 106
471-34-1 Calcium Carbonate precipitated, low in iron (0,001%) (E-170i, F.C.C.) ADITIO 106
471-34-1 Calcium Carbonate precipitated PA 107
471-34-1 Calcium Carbonate precipitated (RFE, USP, BP, Ph. Eur.) PRS-CODEX 107
471-34-1 Calcium Carbonate precipitated (E-170i, F.C.C.) ADITIO 107
471-34-1 Calcium Carbonate precipitated QP 107
477-73-6 Safranine O (C.I. 50240) DC 373
477-73-6 Safranine O solution 0,2% DC 373
477-73-6 Safranine O solution 1% DC 373
484-11-7 Neocuproin PA 294
485-47-2 Ninhydrin PA-ACS 297
487-60-5 3-Indoxyl-β-D-Glucopyranoside anhydrous PB 236
493-52-7 Methyl Red (C.I. 13020) PA-ACS 288
494-19-9 Iminodibenzyl, 99% PS 235
497-19-8 Sodium Carbonate anhydrous EQP-ACS-ISO 384
497-19-8 Sodium Carbonate anhydrous (Reag. Ph. Eur.) PA-ACS-ISO 384
497-19-8 Sodium Carbonate anhydrous (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX 385
497-19-8 Sodium Carbonate anhydrous (E-500i, F.C.C.) ADITIO 385
497-19-8 Sodium Carbonate 0,5 mol/l (1N) SV 386
499-06-9 3,5-Dimethylbenzoic Acid, 98% PS 164
499-75-2 5-Isopropyl-2-Methylphenol, 97% PS 248
499-83-2 Pyridine 2,6-Dicarboxylic Acid, 98% PS 368
501-30-4 Kojic Acid, 98% PS 249
504-02-9 1,3-Cyclohexanedione, 98% stabilized with 3% sodium chloride PS 141
504-29-0 2-Aminopyridine, 98% PS 43
504-63-2 1,3-Propanediol, 98% PS 361
506-64-9 Silver Cyanide PRS 377
506-96-7 Acetyl Bromide, 98% PS 30
507-19-7 2-Bromo-2-Methylpropane, 97% stabilized with potassium carbonate PS 89
512-56-1 Trimethyl Phosphate, 99% PS 470

513-48-4 2-Iodobutane, 98% stabilized with copper PS ... 238
513-77-9 Barium Carbonate (Reag. Ph. Eur.) PA-ACS ... 67
513-77-9 Barium Carbonate PA ... 67
513-77-9 Barium Carbonate PRS ... 67
515-98-0 Ammonium Lactate solution 70% w/w PS ... 55
516-06-3 DL-Valine, 98% PS ... 476
516-12-1 N-Iodosuccinimide, 98% PS ... 239
517-28-2 Hematoxylin (C.I. 75290) (Reag. USP) PA ... 210
517-28-2 Hematoxylin (C.I. 75290) DC ... 210
518-47-8 Fluorescein Sodium (C.I. 45350) PA ... 191
518-67-2 3,8-Diamino-5-Methyl-6-Phenylphenanthridinium Bromide (Reag. Ph. Eur.) PA ... 147
524-38-9 N-Hydroxyphthalimide, 98% PS ... 233
525-05-3 Nitroso R Salt PA ... 304
526-94-3 Sodium Hydrogen Tartrate anhydrous PRS ... 399
526-94-3 Sodium Hydrogen Tartrate 1-hydrate (Reag. USP) PA ... 399
526-94-3 Sodium Hydrogen Tartrate 1-hydrate PRS ... 399
527-07-1 Sodium D-Gluconate (USP) PRS-CODEX ... 393
528-50-7 D(+)-Cellobiose PB ... 118
531-55-5 Azur B (C.I. 52010) DC ... 66
531-57-7 Azur C (C.I. 52002) DC ... 66
531-85-1 Benzidinium di-Chloride PA ... 73
532-32-1 Sodium Benzoate PA ... 382
532-32-1 Sodium Benzoate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 382
532-32-1 Sodium Benzoate (E-211, F.C.C.) ADITIO ... 382
533-67-5 2-Deoxy-D-Ribose PB ... 145
534-16-7 Silver Carbonate PRS ... 376
534-22-5 2-Methylfuran, 99% PS ... 284
536-74-3 Phenylacetylene, 97% PS ... 324
538-62-5 1,5-Diphenylcarbazone (contains diphenylcarbazide) (Reag. Ph. Eur.) PA-ACS ... 172
538-75-0 N,N'-Dicyclohexylcarbodiimide, 98% PS ... 155
540-37-4 4-Iodoaniline, 98% PS ... 238
540-69-2 Ammonium Formate PRS ... 51
540-72-7 Sodium Thiocyanate PA-ACS ... 416
540-72-7 Sodium Thiocyanate PRS ... 416
540-72-7 Sodium Thiocyanate 0,1 mol/l (0,1N) SV ... 416
540-84-1 Isooctane (UV-IR-HPLC) PAI-ACS ... 245
540-84-1 Isooctane (PAR) PAI ... 245
540-84-1 Isooctane dry (max. 0,005% water) DS-ACS ... 245
540-84-1 Isooctane (Reag. Ph. Eur.) PA-ACS ... 245
540-84-1 Isooctane PRS ... 246
540-84-1 Isooctane, 99% PS ... 246
540-84-1 Isooctane (ASTM) RE ... 246
540-88-5 tert-Butyl Acetate, 98% PS ... 99
541-73-1 1,3-Dichlorobenzene, 98% PS ... 150
541-88-8 Chloroacetic Anhydride, 97% PS ... 121
542-56-3 Isobutyl Nitrite, 95% stabilized with ~0,5% of sodium carbonate anhydrous PS ... 244
542-69-8 1-Iodobutane, 98% stabilized with copper PS ... 238
543-80-6 Barium Acetate PA-ACS ... 67
543-80-6 Barium Acetate PRS ... 67
544-16-1 n-Butyl Nitrite, 97% stabilized with ~0,5% of sodium carbonate anhydrous PS ... 102
544-17-2 Calcium Formate PRS ... 109
544-63-8 Myristic Acid, 98% PS ... 292
544-92-3 Copper(I) Cyanide PRS ... 135
544-92-3 Copper(I) Cyanide, 98% PS ... 135
546-68-9 Titanium(IV) Isopropylate, 97% PS ... 457
547-58-0 Methyl Orange (C.I. 13025) PA-ACS ... 285
547-58-0 Methyl Orange solution 0,04% RV ... 285
547-58-0 Methyl Orange solution 0,1% RV ... 285
548-24-3 Eosin Bluish (C.I. 45400) DC ... 174
548-62-9 Crystal Violet (C.I. 42555) PA-ACS ... 138
548-62-9 Crystal Violet (C.I. 42555) DC ... 138
548-62-9 Gentian Violet (C.I. 42535+42555) DC ... 202
552-89-6 2-Nitrobenzaldehyde, 99% PS ... 302
553-24-2 Neutral Red (C.I. 50040) PA ... 294
553-24-2 Neutral Red (C.I. 50040) DC ... 295
554-13-2 Lithium Carbonate (Reag. Ph. Eur.) PA-ACS ... 257
554-13-2 Lithium Carbonate PRS ... 257
554-84-7 3-Nitrophenol, 98% PS ... 303
555-31-7 Aluminium Isopropylate, 98% PS ... 39
555-68-0 3-Nitrocinnamic Acid, 99% PS ... 303
556-50-3 Glycylglycine PB ... 208
557-04-0 Magnesium Stearate (RFE, BP, Ph. Eur.) PRS-CODEX ... 264
557-04-0 Magnesium Stearate (E-470b, F.C.C.) ADITIO ... 264
557-04-0 Magnesium Stearate QP ... 264
557-05-1 Zinc Stearate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 487
557-05-1 Zinc Stearate QP ... 488
557-21-1 Zinc Cyanide PRS ... 486
563-41-7 Semicarbazide Hydrochloride PA ... 375
563-41-7 Semicarbazide Hydrochloride, 99% PS ... 375
563-63-3 Silver Acetate PRS ... 376
573-58-0 Congo Red (C.I. 22120) PA ... 133
573-58-0 Congo Red (C.I. 22120) DC ... 133
574-09-4 Benzoin Ethyl Ether, 99% PS ... 74
576-23-8 3-Bromo-1,2-Dimethylbenzene, 99% PS ... 87
580-13-2 2-Bromonaphthalene, 97% PS ... 89
581-64-6 Thionin (C.I. 52000) DC ... 454
583-50-6 D(-)-Erythrose 70% PB ... 175
584-08-7 Potassium Carbonate (Reag. Ph. Eur.) PA-ACS-ISO ... 337
584-08-7 Potassium Carbonate PA ... 337
584-08-7 Potassium Carbonate PRS ... 337
584-08-7 Potassium Carbonate (USP, BP, Ph. Eur.) CODEX ... 337
584-08-7 Potassium Carbonate (E-501i, F.C.C.) ADITIO ... 337
584-08-7 Potassium Carbonate QP ... 337
584-42-9 Alizarin Yellow GG (C.I. 14025) PA ... 37
586-75-4 4-Bromobenzoyl Chloride, 98% PS ... 85
586-89-0 4-Acetylbenzoic Acid, 98% PS ... 30
587-04-2 3-Chlorobenzaldehyde, 99% PS ... 122
587-98-4 Metanil Yellow (C.I. 13065) PA ... 274
589-15-1 4-Bromobenzyl Bromide, 98% PS ... 85
589-87-7 1-Bromo-4-Iodobenzene, 98% stabilized with copper PS ... 88
589-92-4 4-Methylcyclohexanone, 98% PS ... 282
590-28-3 Potassium Cyanate, 97% PS ... 340
590-29-4 Potassium Formate PRS ... 343
591-20-8 3-Bromophenol, 98% PS ... 89
592-85-8 Mercury(II) Thiocyanate (Reag. USP, Ph. Eur.) PA ... 274
593-56-6 O-Methylhydroxylammonium Chloride PA ... 284
594-61-6 2-Hydroxyisobutyric Acid, 99% PS ... 232
596-27-0 o-Cresolphthalein PA ... 138
598-62-9 Manganese(II) Carbonate x-hydrate PRS ... 267
599-00-8 Trifluoroacetic Acid-D1 deuteration degree min. 99,5% (NMR) PAI ... 469
600-05-5 2,3-Dibromopropionic Acid, 98% PS ... 148
603-35-0 Triphenylphosphine, 99% PS ... 471
603-45-2 Rosolic Acid (C.I. 43800) PA ... 372
609-65-4 2-Chlorobenzoyl Chloride, 98% PS ... 123
609-99-4 3,5-Dinitrosalicylic Acid PB ... 169
609-99-4 3,5-Dinitrosalicylic Acid, 98% PS ... 169
610-72-0 2,5-Dimethylbenzoic Acid, 98% PS ... 164
611-34-7 5-Aminoquinoline, 98% PS ... 43
611-72-3 DL-Mandelic Acid, 99% PS ... 266
612-25-9 2-Nitrobenzyl Alcohol, 99% PS ... 302
612-41-9 2-Nitrocinnamic Acid, 98% PS ... 303
615-36-1 2-Bromoaniline, 98% PS ... 84
615-43-0 2-Iodoaniline, 98% PS ... 238
616-38-6 Dimethyl Carbonate, 99% PS ... 164
616-79-5 2-Amino-5-Nitrobenzoic Acid, 97% PS ... 43
616-91-1 N-Acetyl-L-Cysteine, 98% PS ... 30
617-45-8 DL-Aspartic Acid PRS ... 66
617-45-8 DL-Aspartic Acid (F.C.C.) ADITIO ... 66
617-48-1 DL-Malic Acid PB ... 266
617-48-1 DL-Malic Acid (USP-NF) PRS-CODEX ... 266
617-48-1 DL-Malic Acid (E-296, F.C.C.) ADITIO ... 266
617-48-1 DL-Malic Acid, 99% PS ... 266
618-46-2 3-Chlorobenzoyl Chloride, 98% PS ... 123
619-89-6 4-Nitrocinnamic Acid, 97% PS ... 303
620-45-1 2,6-Dichlorophenol Indophenol Sodium Salt 2-hydrate (Reag. Ph. Eur.) PA-ACS ... 155
623-00-7 4-Bromobenzonitrile, 99% PS ... 84
623-05-2 4-Hydroxibenzyl Alcohol, 99% PS ... 231
623-37-0 3-Hexanol, 98% PS ... 217
624-49-7 Dimethyl Fumarate, 98% PS ... 166
627-63-4 Fumaryl Chloride, 97% PS ... 201
629-04-9 1-Bromoheptane, 98% PS ... 88
631-61-8 Ammonium Acetate (Reag. Ph. Eur.) PA-ACS ... 47
631-61-8 Ammonium Acetate PRS ... 47
631-61-8 Ammonium Acetate 1M buffered to pH=7, extractant solution RE ... 48
632-22-4 1,1,3,3-Tetramethylurea, 99% PS ... 453
632-69-9 Rose Bengal (C.I. 45440) DC ... 372
632-99-5 Fuchsin Basic (C.I. 42510) DC ... 200
633-03-4 Brilliant Green (C.I. 42040) DC ... 82
633-03-4 Brilliant Green aqueous solution 5% DC ... 82
633-96-5 Orange II (C.I. 15510) PA ... 306
633-96-5 Orange II (C.I. 15510) DC ... 306
635-21-2 2-Amino-5-Chlorobenzoic Acid, 98% PS ... 42
636-61-3 D(+)-Malic Acid, 99% PS ... 265
636-73-7 3-Pyridinesulphonic Acid, 98% PS ... 368
637-03-6 Phenylarsine Oxide, 95% PS ... 324
637-60-5 p-Tolylhydrazinium Chloride, 98% PS ... 461
638-07-3 Ethyl 4-Chloroacetoacetate, 98% PS ... 183
640-19-7 2-Fluoroacetamide, 98% PS ... 191
640-68-6 D-Valine, 99% PS ... 476
646-06-0 1,3-Dioxolane, 99% stabilized with ~50 ppm BHT and ~100 ppm triethylamine PS ... 171
657-27-2 L-Lysine mono-Hydrochloride (USP, BP, Ph. Eur.) PRS-CODEX ... 259
657-27-2 L-Lysine mono-Hydrochloride (F.C.C.) ADITIO ... 260
657-27-2 L-Lysine mono-Hydrochloride, 99% PS ... 260
659-28-9 4-(Trifluoromethoxy) Benzaldehyde, 98% PS ... 470
666-52-4 Acetone-D6 deuteration degree min. 99,95% (NMR) PAI ... 26
666-52-4 Acetone-D6 deuteration degree min. 99,8% (NMR) PAI ... 26
666-52-4 Acetone-D6 deuteration degree min. 99,5% (NMR) PAI ... 26
670-80-4 1-(4-Morpholino) Cyclohexene, 98% PS ... 292
685-27-8 N-Methyl-Bis (Trifluoroacetamide) CG ... 281
685-27-8 N-Methyl-Bis (Trifluoroacetamide), 97% PS ... 281
687-47-8 Ethyl (S)-(-)-Lactate PRS ... 188
687-47-8 Ethyl (S)-(-)-Lactate (F.C.C.) ADITIO ... 188
687-47-8 Ethyl (S)-(-)-Lactate, 98% PS ... 188
693-13-0 N,N'-Diisopropylcarbodiimide, 98% PS ... 161
693-58-3 1-Bromononane, 98% PS ... 89
699-12-7 2-(Phenylthio) Ethanol, 98% PS ... 326
700-58-3 2-Adamantanone, 98% PS ... 32
765-43-5 Cyclopropylmethylketone, 98% PS ... 143
768-95-6 1-Adamantanol, 99% PS ... 32
811-98-3 Methanol-D4 deuteration degree min. 99,95% (NMR) PAI ... 278
811-98-3 Methanol-D4 deuteration degree min. 99,8% (NMR) PAI ... 278
811-98-3 Methanol-D4 deuteration degree min. 99,5% (NMR) PAI ... 278
814-95-9 Strontium Oxalate 1-hydrate PRS ... 439
815-06-5 N-Methyltrifluoroacetamide, 98% PS ... 289
822-16-2 Sodium Stearate PRS ... 413
822-16-2 Sodium Stearate (E-470a) ADITIO ... 413
823-78-9 3-Bromobenzyl Bromide, 99% PS ... 85
823-85-8 4-Fluorophenylhydrazinium Chloride, 97% PS ... 194
845-10-3 Methyl Red Sodium Salt (C.I. 13020) PA-ACS ... 288
860-22-0 Indigo Carmine (C.I. 73015) PA ... 235
860-22-0 Indigo Carmine (C.I. 73015) DC ... 236
865-49-6 Trichloromethane-D1 deuteration degree min. 99,95% (NMR) PAI ... 466
865-49-6 Trichloromethane-D1 deuteration degree min. 99,95% stabilized with Ag (NMR) PAI ... 466
865-49-6 Trichloromethane-D1 deuteration degree min. 99,8% stabilized with Ag (NMR) PAI ... 466
867-56-1 Sodium Lactate PRS ... 405
868-14-4 Potassium Hydrogen Tartrate PA ... 348
868-14-4 Potassium Hydrogen Tartrate PRS ... 348
868-14-4 Potassium Hydrogen Tartrate (E-336i, F.C.C.) ADITIO ... 348
872-50-4 1-Methyl-2-Pyrrolidone (VLSI) EG ... 287
872-50-4 1-Methyl-2-Pyrrolidone (UV-IR-HPLC-GPC) PAI ... 287
872-50-4 1-Methyl-2-Pyrrolidone PA-ACS ... 288
872-50-4 1-Methyl-2-Pyrrolidone (BP, Ph. Eur.) PRS-CODEX ... 288
872-50-4 1-Methyl-2-Pyrrolidone BS ... 288
872-50-4 1-Methyl-2-Pyrrolidone, 99% PS ... 288
873-76-7 4-Chlorobenzyl Alcohol, 98% PS ... 123
877-24-7 Potassium Hydrogen Phthalate EQP-ACS-ISO ... 347
877-24-7 Potassium Hydrogen Phthalate PA-ISO ... 348
877-24-7 Potassium Hydrogen Phthalate PRS ... 348
915-67-3 Amaranth (C.I. 16185) (Reag. USP) PA ... 41
930-28-9 Chlorocyclopentane, 98% PS ... 124
932-77-4 3-Bromobenzyl Chloride, 99% PS ... 85
996-50-9 N-(Trimethylsilyl) Diethylamine CG ... 471
999-97-3 Hexamethyldisilazane (VLSI) EG ... 213
999-97-3 Hexamethyldisilazane CG ... 213
999-97-3 Hexamethyldisilazane, 98% PS ... 213
1003-29-8 Pyrrole-2-Carboxaldehyde, 98% PS ... 369
1064-48-8 Amido Black 10B (C.I. 20470) (Reag. Ph. Eur.) PA ... 41
1064-48-8 Amido Black 10B (C.I. 20470) DC ... 41
1066-33-7 Ammonium Hydrogen Carbonate (Reag. Ph. Eur.) PA ... 51
1066-33-7 Ammonium Hydrogen Carbonate (RFE, BP, Ph. Eur.) PRS-CODEX ... 51
1066-33-7 Ammonium Hydrogen Carbonate (E-503ii, F.C.C.) ADITIO ... 51
1066-54-2 Trimethylsilylacetylene, 98% PS ... 471
1071-83-6 N-(Phosphonomethyl) Glycine, 95% PS ... 327
1073-06-9 1-Bromo-3-Fluorobenzene, 98% PS ... 88
1073-67-2 4-Chlorostyrene, 98% PS ... 126
1073-70-7 4-Chlorophenylhydrazinium Chloride, 98% PS ... 126
1074-82-4 Phthalimide Potassium Salt, 98% PS ... 330
1076-43-3 Benzene-D6 deuteration degree min. 99,95% (NMR) PAI ... 72
1076-43-3 Benzene-D6 deuteration degree min. 99,8% (NMR) PAI ... 72
1076-43-3 Benzene-D6 deuteration degree min. 99,5% (NMR) PAI ... 72
1119-34-2 L-Arginine mono-Hydrochloride PB ... 64
1119-34-2 L-Arginine mono-Hydrochloride (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 64
1119-97-7 Cetrimide (RFE, BP, Ph. Eur.) PRS-CODEX ... 119
1121-37-5 Dicyclopropylketone, 98% PS ... 155
1122-58-3 4-(Dimethylamino) Pyridine, 99% PS ... 163
1122-91-4 4-Bromobenzaldehyde, 99% PS ... 84
1132-61-2 3-Morpholinopropanesulphonic Acid PB ... 292
1135-40-6 3-Cyclohexylaminopropanesulphonic Acid PB ... 142
1142-20-7 N-Z-L-Alanine, 98% PS ... 484
1148-11-4 N-Z-L-Proline, 98% PS ... 489
1149-16-2 Glyoxal-Bis (2-Hydroxyanil) (Reag. Ph. Eur.) PA ... 208
1149-26-4 N-Z-L-Valine, 99% PS ... 489
1152-61-0 N-Z-L-Aspartic Acid, 98% PS ... 484
1155-62-0 N-Z-L-Glutamic Acid, 98% PS ... 485
1161-13-3 N-Z-L-Phenylalanine, 98% PS ... 489
1164-16-5 N-Z-L-Tyrosine hydrate, 98% PS ... 489
1185-53-1 Tris (Hydroxymethyl) Aminomethane Hydrochloride PB ... 472
1185-53-1 Tris (Hydroxymethyl) Aminomethane Hydrochloride PA ... 472
1185-57-5 Ammonium Iron(III) Citrate brown (USP, DAC) PRS-CODEX ... 54
1185-57-5 Ammonium Iron(III) Citrate brown (E-381, F.C.C.) ADITIO ... 54
1185-57-5 Ammonium Iron(III) Citrate green PRS ... 54
1185-57-5 Ammonium Iron(III) Citrate green (E-381, F.C.C.) ADITIO ... 54
1193-72-2 4-Bromo-1,3-Dichlorobenzene, 98% PS ... 87
1194-02-1 4-Fluorobenzonitrile, 99% PS ... 193
1194-65-6 2,6-Dichlorobenzonitrile, 97% PS ... 150
1198-37-4 2,4-Dimethylquinoline, 97% PS ... 167
1202-39-7 3,4-Dichlorocinnamic Acid, 97% PS ... 150
1234-35-1 N-α-Z-L-Arginine, 98% PS ... 484
1260-17-9 Carminic Acid (C.I. 75470) DC ... 117
1260-17-9 Cochineal (C.I. 75470) PA ... 132
1303-96-4 di-Sodium tetra-Borate 10-hydrate PA-ACS-ISO ... 383
1303-96-4 di-Sodium tetra-Borate 10-hydrate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 383
1303-96-4 di-Sodium tetra-Borate 10-hydrate solution 4,6% VINIKIT ... 383
1304-28-5 Barium Oxide, 97% PS ... 69
1304-76-3 Bismuth(III) Oxide QP ... 79
1305-62-0 Lime Water saturated solution RE ... 255
1305-62-0 Calcium Hydroxide, powder (RFE, USP, BP, Ph. Eur., JP) PRS-CODEX ... 110
1305-62-0 Calcium Hydroxide, powder (E-526, F.C.C.) ADITIO ... 110
1305-62-0 Calcium Hydroxide native, powder QP ... 110
1305-62-0 Calcium Hydroxide 2 mol/l (suspension) VINIKIT ... 110
1305-78-8 Calcium Oxide natural, pieces QP ... 111
1306-19-0 Cadmium Oxide PRS ... 104
1306-38-3 Cerium(IV) Oxide PRS ... 118
1308-06-1 Cobalt(II,III) Oxide PRS ... 132
1309-37-1 Iron(III) Oxide QP ... 240
1309-42-8 Magnesium Hydroxide (RFE, BP, Ph. Eur.) PRS-CODEX ... 262
1309-48-4 Magnesium Oxide light (RFE, BP, Ph. Eur.) PRS-CODEX ... 263
1309-48-4 Magnesium Oxide (F.C.C.) ADITIO ... 263
1309-48-4 Magnesium Oxide QP ... 263
1309-60-0 Lead(IV) Oxide PRS ... 254
1309-64-4 Antimony(III) Oxide PA ... 61
1309-64-4 Antimony(III) Oxide QP ... 61
1310-58-3 Potassium Hydroxide 85% pellets PA-ACS-ISO ... 349
1310-58-3 Potassium Hydroxide 85% pellets PA ... 349
1310-58-3 Potassium Hydroxide 85% pellets (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 349
1310-58-3 Potassium Hydroxide 85% pellets (E-525, F.C.C.) ADITIO ... 349
1310-58-3 Potassium Hydroxide 90% flakes QP ... 349
1310-58-3 Potassium Hydroxide solution 40% w/w PA ... 350
1310-58-3 Potassium Hydroxide solution 40% w/v RE ... 350
1310-58-3 Potassium Hydroxide 0,1 mol/l (0,1N) SV ... 350
1310-58-3 Potassium Hydroxide 0,1 mol (5,611g KOH) to prepare 1l of 0,1N solution SVc ... 350
1310-58-3 Potassium Hydroxide 0,23 mol/l (0,23N) SV ... 350
1310-58-3 Potassium Hydroxide 0,5 mol/l (0,5N) SV ... 350
1310-58-3 Potassium Hydroxide 0,5 mol (28,054g KOH) to prepare 1l of 0,5N solution SVc ... 351
1310-58-3 Potassium Hydroxide 1 mol/l (1N) SV ... 351
1310-58-3 Potassium Hydroxide 1 mol (56,109g KOH) to prepare 1l of 1N solution SVc ... 351
1310-58-3 Potassium Hydroxide 2 mol/l (2N) SV ... 351
1310-58-3 Potassium Hydroxide 1 mol/l (1N) VINIKIT ... 351
1310-66-3 Lithium Hydroxide 1-hydrate (Reag. USP, Ph. Eur.) PA-ACS ... 258
1310-66-3 Lithium Hydroxide 1-hydrate (USP) PRS-CODEX ... 258
1310-73-2 Sodium Hydroxide pellets PA-ACS-ISO ... 399

1310-73-2 Sodium Hydroxide pellets (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 399
1310-73-2 Sodium Hydroxide pellets (E-524, F.C.C.) ADITIO ... 399
1310-73-2 Sodium Hydroxide pellets QP ... 400
1310-73-2 Sodium Hydroxide flakes (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 400
1310-73-2 Sodium Hydroxide flakes QP ... 400
1310-73-2 Sodium Hydroxide pearls (USP, BP, Ph. Eur.) PRS-CODEX ... 400
1310-73-2 Sodium Hydroxide solution 50% w/w PRS ... 400
1310-73-2 Sodium Hydroxide solution 50% w/v PRS ... 401
1310-73-2 Sodium Hydroxide solution 50% w/v QP ... 401
1310-73-2 Sodium Hydroxide solution 40% w/w RE ... 401
1310-73-2 Sodium Hydroxide solution 40% w/v PA ... 401
1310-73-2 Sodium Hydroxide solution 32% w/v PA ... 401
1310-73-2 Sodium Hydroxide solution 30% w/v RE ... 401
1310-73-2 Sodium Hydroxide solution 20% w/v RE ... 402
1310-73-2 Sodium Hydroxide solution 10% w/v RE ... 402
1310-73-2 Sodium Hydroxide 0,1 mol/l (0,1N) RE ... 402
1310-73-2 Sodium Hydroxide 0,02 mol/l (0,02N) SV ... 402
1310-73-2 Sodium Hydroxide 0,025 mol/l (0,025N) SV ... 402
1310-73-2 Sodium Hydroxide 0,04 mol/l (0,04N) SV ... 402
1310-73-2 Sodium Hydroxide 0,05 mol/l (0,05N) SV ... 402
1310-73-2 Sodium Hydroxide 0,1 mol/l (0,1N) SV ... 402
1310-73-2 Sodium Hydroxide 0,1 mol/l (0,1N) SV ... 402
1310-73-2 Sodium Hydroxide 0,1 mol/l (0,1N) ethanolic SV ... 402
1310-73-2 Sodium Hydroxide 0,1 mol (4,000g NaOH) to prepare 1l of 0,1N solution SVc ... 402
1310-73-2 Sodium Hydroxide 0,111 mol/l (0,111N) according to Dornic SV ... 402
1310-73-2 Sodium Hydroxide 0,2 mol/l (0,2N) SV ... 402
1310-73-2 Sodium Hydroxide 0,25 mol/l (0,25N) SV ... 403
1310-73-2 Sodium Hydroxide 0,313 mol/l (0,313N) SV ... 403
1310-73-2 Sodium Hydroxide 0,3546 mol/l (N/2,82) SV ... 403
1310-73-2 Sodium Hydroxide 0,5 mol/l (0,5N) SV ... 403
1310-73-2 Sodium Hydroxide 1 mol/l (1N) SV ... 403
1310-73-2 Sodium Hydroxide 1 mol/l (1N) SV ... 403
1310-73-2 Sodium Hydroxide 1 mol (40,00g NaOH) to prepare 1l of 1N solution SVc ... 403
1310-73-2 Sodium Hydroxide 2 mol/l (2N) SV ... 403
1310-73-2 Sodium Hydroxide 4 mol/l (4N) SV ... 403
1310-73-2 Sodium Hydroxide 5 mol/l (5N) SV ... 403
1310-73-2 Sodium Hydroxide 0,01 mol/l VINIKIT ... 404
1310-73-2 Sodium Hydroxide 0,02 mol/l (0,02N) VINIKIT ... 404
1310-73-2 Sodium Hydroxide N/49 VINIKIT ... 404
1310-73-2 Sodium Hydroxide 0,1 mol/l (0,1N) VINIKIT ... 404
1310-73-2 Sodium Hydroxide 0,1332 mol/l (0,1332N) VINIKIT ... 404
1310-73-2 Sodium Hydroxide N/4,9 VINIKIT ... 404
1310-73-2 Sodium Hydroxide 0,4 mol/l (0,4N) VINIKIT ... 404
1310-73-2 Sodium Hydroxide 1,666 mol/l (1,666N) VINIKIT ... 404
1311-10-0 Strontium Hydroxide 8-hydrate PRS ... 438
1312-81-8 Lanthanum(III) Oxide (Reag. Ph. Eur.) PA ... 251
1312-81-8 Lanthanum(III) Oxide PRS ... 251
1313-13-9 Manganese(IV) Oxide QP ... 268
1313-13-9 Manganese(IV) Oxide precipitated PRS ... 268
1313-27-5 Molybdenum(VI) Oxide PRS ... 291
1313-60-6 Sodium Peroxide granulated PA-ACS ... 409
1313-60-6 Sodium Peroxide granulated PA ... 409
1313-60-6 Sodium Peroxide, 95% granulated PS ... 410
1313-84-4 Sodium Sulphide x-hydrate QP ... 414
1313-99-1 Nickel Oxide black PRS ... 296
1314-13-2 Zinc Oxide EQP-ACS ... 487
1314-13-2 Zinc Oxide PA-ACS ... 487
1314-13-2 Zinc Oxide PRS ... 487
1314-13-2 Zinc Oxide (RFE, USP, BP, Ph. Eur.) CODEX ... 487
1314-13-2 Zinc Oxide (F.C.C.) ADITIO ... 487
1314-15-4 Platinum(IV) Oxide x-hydrate PS ... 331
1314-41-6 Lead tetra-Oxide PA ... 254
1314-56-3 di-Phosphorus penta-Oxide (Reag. Ph. Eur.) PA-ACS-ISO ... 329
1314-56-3 di-Phosphorus penta-Oxide PRS ... 329
1314-56-3 di-Phosphorus penta-Oxide, 98% PS ... 329
1314-62-1 Vanadium(V) Oxide PRS ... 477
1314-98-3 Zinc Sulphide QP ... 489
1317-36-8 Lead(II) Oxide (DAC) PRS-CODEX ... 254
1317-37-9 Iron(II) Sulphide cylinders PRS ... 241
1317-38-0 Copper(II) Oxide PA ... 135
1317-38-0 Copper(II) Oxide PRS ... 136
1317-39-1 Copper(I) Oxide red, 95% PS ... 136
1318-02-1 Molecular Sieve 3A (2 mm diameter particle) RE ... 290
1318-02-1 Molecular Sieve 4A RE ... 291
1318-02-1 Molecular Sieve 5A (2 mm diameter particle) RE ... 291
1318-02-1 Molecular Sieve 10A (2 mm diameter particle) RE ... 291
1318-74-7 Aluminium Silicate QP ... 40
1327-53-3 Arsenic(III) Oxide EQP-ACS ... 64
1327-53-3 Arsenic(III) Oxide (Reag. Ph. Eur.) PA ... 64
1327-53-3 Arsenic(III) Oxide PRS ... 64
1330-20-7 Xylene, mixture of isomers dry (max. 0,005% water) DS-ISO ... 481
1330-20-7 Xylene, mixture of isomers (Reag. Ph. Eur.) PA-ACS-ISO ... 481
1330-20-7 Xylene, mixture of isomers PRS ... 482
1330-20-7 Xylene, 98,5% mixture of isomers PS ... 482
1330-20-7 Xylene, mixture of isomers QP ... 482
1330-20-7 Xylene, mixture of isomers DC ... 482
1330-20-7 Xylene, mixture of isomers, low in ethylbenzene (max. 4%) PA-ACS-ISO ... 482
1330-43-4 di-Sodium tetra-Borate anhydrous PA ... 382
1330-43-4 di-Sodium tetra-Borate anhydrous PRS ... 383
1333-82-0 Chromium(VI) Oxide (Reag. Ph. Eur.) PA ... 128
1333-82-0 Chromium(VI) Oxide QP ... 128
1335-32-6 Lead(II) Hydroxideacetate for sugar analysis according to Horne PA-ACS ... 253
1335-32-6 Lead(II) Hydroxideacetate PA ... 253
1335-32-6 Lead(II) Hydroxideacetate solution PRS ... 253
1335-32-6 Lead(II) Hydroxideacetate solution according to AOAC for sugar analysis PA ... 253
1336-21-6 Ammonia 30% (as NH_3) PA-ACS ... 44
1336-21-6 Ammonia 30% (as NH_3) (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 44
1336-21-6 Ammonia 30% (as NH_3) (E-527, F.C.C.) ADITIO ... 44
1336-21-6 Ammonia 25% (as NH_3) (Reag. USP, Ph. Eur.) PA ... 45
1336-21-6 Ammonia 25% (as NH_3) (BP, Ph. Eur.) PRS-CODEX ... 45
1336-21-6 Ammonia 25% (as NH_3) ADITIO ... 45
1336-21-6 Ammonia 25% (as NH_3) QP ... 45
1336-21-6 Ammonia 20% (as NH3) (TMA) HIPERPUR-PLUS ... 46
1336-21-6 Ammonia 20% (as NH3) (TMA) HIPERPUR ... 46
1336-21-6 Ammonia 20% (as NH_3) PA ... 47
1336-21-6 Ammonia 20% (as NH_3) PRS ... 47
1336-21-6 Ammonia 1 mol/l (1N) SV ... 47
1338-39-2 Sorbitan Monolaurate (USP, BP, Ph. Eur.) PRS-CODEX ... 418
1338-39-2 Sorbitan Monolaurate PS ... 419
1338-41-6 Sorbitan Monostearate (USP, BP, Ph. Eur.) PRS-CODEX ... 419
1338-41-6 Sorbitan Monostearate PS ... 419
1338-43-8 Sorbitan Monooleate (USP, BP, Ph. Eur.) PRS-CODEX ... 419
1338-43-8 Sorbitan Monooleate PS ... 419
1341-49-7 Ammonium Hydrogen di-Fluoride PRS ... 52
1344-09-8 Sodium Silicate neutral solution QP ... 413
1344-28-1 Aluminium Oxide Basic (Reag. Ph. Eur.) PA ... 39
1344-43-0 Manganese(II) Oxide PRS ... 268
1390-65-4 Carmine (Lacquer of carminic acid with calcium and aluminium) (C.I. 75470) DC ... 117
1390-65-4 Carmine hydrosoluble (Lacquer of carminic acid with calcium and aluminium) (C.I. 75470) PA ... 117
1393-92-6 Litmus soluble PA ... 259
1393-92-6 Litmus soluble RE ... 259
1393-92-6 Litmus stain RV ... 259
1400-62-0 Orcein DC ... 306
1401-55-4 Tannic Acid PA-ACS ... 447
1401-55-4 Tannic Acid (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 447
1401-55-4 Tannic Acid (F.C.C.) ADITIO ... 448
1405-20-5 Polymyxin B Sulphate PB ... 332
1435-48-9 1,3-Dichloro-4-Fluorobenzene, 99% PS ... 152
1461-15-0 Calcein PA ... 105
1465-25-4 N-(1-Naphthyl) Ethylenediamine Dihydrochloride PA-ACS ... 294
1468-95-7 9-Anthracenemethanol, 98% PS ... 60
1470-61-7 Silver Diethyldithiocarbamate (Reag. USP, Ph. Eur.) PA-ACS ... 377
1493-13-6 Trifluoromethansulphonic Acid, 99% PS ... 470
1493-27-2 1-Fluoro-2-Nitrobenzene, 99% PS ... 194
1592-23-0 Calcium Stearate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 112
1592-23-0 Calcium Stearate (E-470a, F.C.C.) ADITIO ... 112
1592-23-0 Calcium Stearate QP ... 112
1600-27-7 Mercury(II) Acetate (Reag. Ph. Eur.) PA-ACS ... 271
1600-27-7 Mercury(II) Acetate PRS ... 271
1615-02-7 4-Chlorocinnamic Acid, 99% PS ... 124
1633-05-2 Strontium Carbonate PRS ... 438
1634-04-4 tert-Butyl Methyl Ether (UV-IR-HPLC-HPLC preparative) PAI ... 101
1634-04-4 tert-Butyl Methyl Ether (PAR) PAI ... 101
1634-04-4 tert-Butyl Methyl Ether (Reag. USP, Ph. Eur.) PA-ACS ... 101
1634-04-4 tert-Butyl Methyl Ether PRS ... 101
1634-04-4 tert-Butyl Methyl Ether, 99,5% PS ... 101
1643-19-2 Tetrabutylammonium Bromide, 98% PS ... 449
1662-01-7 Bathophenanthroline PA ... 70
1665-00-5 Dichloromethane-D2 deuteration degree min. 99,95% (NMR) PAI ... 154
1665-00-5 Dichloromethane-D2 deuteration degree min. 99,8% (NMR) PAI ... 154
1665-00-5 Dichloromethane-D2 deuteration degree min. 99,5% (NMR) PAI ... 154
1667-01-2 2',4',6'-Trimethylacetophenone, 98% PS ... 470
1668-00-4 Arsenazo III (Reag. USP) PA ... 64
1693-74-9 Tetrahydrofuran-D8 deuteration degree min. 99,5% (NMR) PAI ... 452
1711-07-5 3-Fluorobenzoyl Chloride, 98% PS ... 193
1711-09-7 3-Bromobenzoyl Chloride, 98% PS ... 85
1730-91-2 D-2-Methylbutyric Acid, 98% PS ... 282
1733-12-6 Cresol Red PA ... 138
1733-12-6 Cresol Red solution 0,04% RV ... 138
1747-60-0 2-Amino-6-Methoxybenzothiazole, 98% PS ... 42
1762-95-4 Ammonium Thiocyanate (Reag. Ph. Eur.) PA-ACS-ISO ... 58
1762-95-4 Ammonium Thiocyanate PRS ... 58
1762-95-4 Ammonium Thiocyanate 0,1 mol/l (0,1N) SV ... 59
1762-95-4 Ammonium Thiocyanate 0,1 mol (7,612g NH_4SCN) to prepare 1l of 0,1N solution SVc ... 59
1762-95-4 Ammonium Thiocyanate 1 mol/l (1N) SV ... 59
1787-61-7 Eriochrome Black T (C.I. 14645) PA-ACS ... 175
1824-81-3 2-Amino-6-Methylpyridine, 98% PS ... 43
1829-00-1 Titan Yellow (C.I. 19540) PA ... 457
1863-63-4 Ammonium Benzoate PA-ACS ... 48
1863-63-4 Ammonium Benzoate PRS ... 48
1866-38-2 3-Chlorocinnamic Acid, 99% PS ... 124
1934-21-0 Tartrazine (C.I. 19140) DC ... 449
1934-21-0 Tartrazine solution 0,5 % w/v RE ... 449
1936-15-8 Orange G (C.I. 16230) PA ... 306
1945-77-3 Methylthymol Blue Sodium Salt PA-ACS ... 289
1949-89-9 2-Deoxy-D-Galactose PB ... 145
2024-83-1 3,4-Dimethoxybenzonitrile, 98% PS ... 162
2037-26-5 Toluene-D8 deuteration degree min. 99,8% (NMR) PAI ... 459
2037-26-5 Toluene-D8 deuteration degree min. 99,5% (NMR) PAI ... 460
2050-23-9 Diethyl Suberate, 98% PS ... 159
2052-49-5 Tetrabutylammonium Hydroxide aqueous solution 20% w/w PS ... 450
2052-49-5 Tetrabutylammonium Hydroxide 0,1 mol/l (0,1N) in 2-propanol/methanol (11:1) SV ... 450
2052-49-5 Tetrabutylammonium Hydroxide 0,1 mol/l (0,1N) in toluene/methanol (9:1) SV ... 450
2058-46-0 Oxytetracycline Hydrochloride PB ... 308
2128-93-0 4-Benzoylbiphenyl, 98% PS ... 74
2142-63-4 3'-Bromoacetophenone, 98% PS ... 84
2206-26-0 Acetonitrile-D3 deuteration degree min. 99,95% (NMR) PAI ... 29
2206-26-0 Acetonitrile-D3 deuteration degree min. 99,8% (NMR) PAI ... 29
2206-26-0 Acetonitrile-D3 deuteration degree min. 99,5% (NMR) PAI ... 29
2206-27-1 Dimethyl Sulphoxide-D6 deuteration degree min. 99,95% (NMR) PAI ... 168
2206-27-1 Dimethyl Sulphoxide-D6 deuteration degree min. 99,9% (NMR) PAI ... 168
2206-27-1 Dimethyl Sulphoxide-D6 deuteration degree min. 99,8% (NMR) PAI ... 168
2216-51-5 L(-)-Menthol (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 270
2216-51-5 L(-)-Menthol, 99% PS ... 270
2217-15-4 Diisopropyl L(+)-Tartrate, 98% PS ... 161
2243-76-7 Alizarin Yellow R (C.I. 14030) PA ... 37
2303-01-7 m-Cresol Purple PA ... 138
2321-07-5 Fluorescein (C.I. 45350) PA ... 191
2345-34-8 4-Acetoxybenzoic Acid, 99% PS ... 29
2353-45-9 Fast Green FCF (C.I. 42053) DC ... 189
2381-85-3 Nile Blue A Chloride (C.I. 51180) DC ... 297
2386-54-1 1-Butane Sulphonic Acid Sodium Salt (HPLC) PAI ... 96
2386-54-1 1-Butane Sulphonic Acid Sodium Salt, 98% PS ... 96
2390-59-2 Ethyl Violet (C.I. 42600) PA ... 189
2398-37-0 3-Bromoanisole, 98% PS ... 84
2411-89-4 Phthalein Purple PA-ACS ... 329
2419-94-5 N-Boc-L-Glutamic Acid, 98% PS ... 80
2437-29-8 Malachite Oxalate Green (C.I. 42000) DC ... 265
2438-80-4 L(-)-Fucose PB ... 200
2465-27-2 Auramine O (C.I. 41000) DC ... 66
2488-15-5 N-Boc-L-Methionine, 98% PS ... 80
2516-33-8 Cyclopropylmethanol, 98% PS ... 143
2516-47-4 Cyclopropylmethylamine, 96% PS ... 143
2528-61-2 Heptanoyl Chloride, 98,5% PS ... 212
2538-85-4 Calcon (C.I. 15705) PA ... 112
2553-71-1 Bromochlorophenol Blue PA ... 86
2555-49-9 Ethyl Phenoxyacetate, 98% PS ... 188
2576-47-8 2-Bromoethylammonium Bromide, 99% PS ... 87
2580-56-5 Victoria Blue B (C.I. 44045) DC ... 478
2592-18-9 N-Boc-L-Threonine, 98% PS ... 81
2622-05-1 Allylmagnesium Chloride 2M in THF PS ... 38
2642-63-9 3',4'-Dichloroacetophenone, 98% PS ... 149
2644-70-4 Hydrazinium mono-Chloride PRS ... 219
2644-70-4 Hydrazinium mono-Chloride, 99% PS ... 219
2832-45-3 1-Hexane Sulphonic Acid Sodium Salt (HPLC) PAI ... 217
2868-37-3 Methyl Cyclopropanecarboxilate, 98% PS ... 283
2924-15-4 2-Fluorophenylhydrazinium Chloride, 97% PS ... 194
2924-16-5 3-Fluorophenylhidrazinium Chloride, 97% PS ... 194
2958-36-3 2-Amino-2',5-Dichlorobenzophenone, 99% PS ... 42
3012-65-5 di-Ammonium Hydrogen Citrate (Reag. Ph. Eur.) PA-ACS ... 52
3012-65-5 di-Ammonium Hydrogen Citrate PRS ... 52
3051-09-0 Murexide (C.I. 56085) (Reag. Ph. Eur.) PA-ACS ... 292
3054-07-7 D,L-2-Aminosuberic Acid ... 492
3087-16-9 Lissamine Green B (C.I. 44090) DC ... 256
3109-63-5 Tetrabutylammonium Hexafluorophosphate, 98% PS ... 450
3132-99-8 3-Bromobenzaldehyde, 97% PS ... 84
3164-29-2 di-Ammonium Tartrate PA ... 58
3164-29-2 di-Ammonium Tartrate PRS ... 58
3184-13-2 L-Ornithine Hydrochloride, 99% PS ... 306
3244-88-0 Fuchsin Acid (C.I. 42685) DC ... 200
3262-72-4 N-Boc-L-Serine hydrate, 98% PS ... 80
3277-26-7 1,1,3,3-Tetramethyldisiloxane, 97% PS ... 453
3279-54-7 di-Sodium Phenyl Phosphate 2-hydrate PA ... 410
3344-18-1 tri-Magnesium di-Citrate 9-hydrate PRS ... 262
3433-80-5 2-Bromobenzyl Bromide, 98% PS ... 85
3458-28-4 D(+)-Mannose PB ... 269
3473-63-0 Formamidinium Acetate, 99% PS ... 198
3564-18-9 Eriochromecyanine R (C.I. 43820) PA ... 175
3615-37-0 D(+)-Fucose PB ... 200
3618-43-7 Xylenol Orange Tetrasodium Salt PA-ACS ... 484
3648-21-3 Di-n-Heptyl Phthalate, 98% PS ... 159
3688-92-4 Thorin 8-hydrate PA ... 455
3737-95-9 Calconcarboxylic Acid (Reag. Ph. Eur.) PA ... 113
3752-25-8 2-Chlorocinnamic Acid, 99% PS ... 124
3811-04-9 Potassium Chlorate (Reag. Ph. Eur.) PA-ACS ... 338
3811-04-9 Potassium Chlorate (Ph. Helv.) PRS-CODEX ... 338
3844-45-9 Brilliant Blue FCF (C.I. 42090) DC ... 82
3900-45-6 2-Acetyl-6-Methoxynaphthalene, 98% PS ... 30
3952-78-1 Alizarin-3-Methylamine-N,N-Diacetic Acid (Reag. Ph. Eur.) PA ... 37
3978-80-1 N-Boc-L-Tyrosine, 98% PS ... 81
4023-34-1 Cyclopropanecarbonyl Chloride, 95% PS ... 143
4075-81-4 Calcium Propionate (E-282, F.C.C.) ADITIO ... 112
4152-90-3 3-Chlorobenzylamine, 98% PS ... 123
4196-99-0 Biebrich Scarlet (C.I. 26905) DC ... 77
4197-25-5 Sudan Black B (C.I. 26150) DC ... 440
4254-88-0 (S)-2-Aminosuberic Acid ... 492
4333-56-6 Cyclopropyl Bromide, 98% PS ... 143
4397-53-9 4-Benzyloxybenzaldehyde, 98% PS ... 76
4430-20-0 Chlorophenol Red PA ... 126
4472-41-7 N,N-Dimethylformamide-D7 deuteration degree min. 99,5% (NMR) PAI ... 165
4518-10-9 Methyl 3-Aminobenzoate, 98% PS ... 280
4530-20-5 N-Boc-Glycine, 98% PS ... 80
4584-49-0 2-(Dimethylamino) Isopropyl Chloride Hydrochloride, 98% PS ... 163
4637-24-5 N,N-Dimethylformamide-Dimethylacetal CG ... 166
4637-24-5 N,N-Dimethylformamide-Dimethylacetal, 95% PS ... 166
4741-41-7 (S, S)- 2-(2,2-Diphenyl-[1,3]-Dioxolan-4-yl)-Piperidine ... 493
4792-18-1 (R, R)- 2-(2,2-Diphenyl-[1,3]-Dioxolan-4-yl)-Piperidine ... 493
5108-96-3 1-Pyrrolidinedithiocarboxylic Acid Ammonium Salt PA ... 369
5141-20-8 Light Green solution 0,1% DC ... 255
5144-89-8 1,10-Phenanthroline 1-hydrate PA-ACS ... 321
5263-02-5 Zinc Hydroxide Carbonate QP ... 486
5324-84-5 1-Octane Sulphonic Acid Sodium Salt (HPLC) PAI ... 305
5326-34-1 4-Bromo-3-Nitrotoluene, 98% PS ... 89
5328-37-0 L(+)-Arabinose PB ... 63
5329-14-6 Sulphamic Acid (Reag. USP, Ph. Eur.) PA-ACS ... 440
5329-14-6 Sulphamic Acid, 99% PS ... 440
5341-61-7 Hydrazinium di-Chloride (Reag. USP) PA ... 219
5341-61-7 Hydrazinium di-Chloride, 99% PS ... 220
5382-16-1 4-Hydroxypiperidine, 98% PS ... 234
5421-66-9 Bismarck Brown R (C.I. 21010) DC ... 78
5470-11-1 Hydroxylammonium Chloride (max. 0,000001% Hg) PA-ACS-ISO ... 232
5470-11-1 Hydroxylammonium Chloride (Reag. Ph. Eur.) PA-ACS-ISO ... 232
5470-11-1 Hydroxylammonium Chloride PRS ... 232
5470-11-1 Hydroxylammonium Chloride, 99% PS ... 233
5500-21-0 Cyclopropyl Cyanide, 98% PS ... 143
5538-51-2 Acetylsalicyloyl Chloride, 98% PS ... 31
5625-37-6 Piperazine-1,4-Bis (2-Ethanesulphonic) Acid PB ... 331
5665-94-1 5-Chlorcarvacrol, 97% PS ... 121

5704-04-1 N-[Tris (Hydroxymethyl) Methyl] Glycine PB....473
5743-04-4 Cadmium Acetate 2-hydrate (Reag. USP) PA....103
5743-04-4 Cadmium Acetate 2-hydrate PRS....103
5743-47-5 Calcium Lactate 5-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX....110
5743-47-5 Calcium Lactate 5-hydrate (E-327, F.C.C.) ADITIO....110
5785-44-4 tri-Calcium di-Citrate 4-hydrate PA....108
5785-44-4 tri-Calcium di-Citrate 4-hydrate (E-333iii, F.C.C.) ADITIO....109
5794-13-8 L-Asparagine 1-hydrate, 99% PS....65
5794-28-5 Calcium Oxalate 1-hydrate PA....111
5794-28-5 Calcium Oxalate 1-hydrate PRS....111
5808-22-0 Chromotropic Acid Disodium Salt 2-hydrate (Reag. Ph. Eur.) PA-ACS....128
5856-62-2 S(+)-2-Amino-1-Butanol, 98% PS....41
5892-10-4 Bismuth(III) Hydroxide Carbonate (RFE, USP, BP, Ph. Eur.) PRS-CODEX....78
5934-29-2 L-Histidine mono-Hydrochloride 1-hydrate PB....218
5934-29-2 L-Histidine mono-Hydrochloride 1-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX....218
5934-29-2 L-Histidine mono-Hydrochloride 1-hydrate, 99% PS....218
5949-29-1 Citric Acid 1-hydrate PA-ACS-ISO....130
5949-29-1 Citric Acid 1-hydrate (RFE, USP, BP, Ph. Eur., JP) PRS-CODEX....130
5949-29-1 Citric Acid 1-hydrate (E-330, F.C.C.) ADITIO....130
5950-69-6 Hydrindantine 2-hydrate PA....220
5965-83-3 5-Sulphosalicylic Acid 2-hydrate (Reag. Ph. Eur.) PA-ACS....441
5968-11-6 Sodium Carbonate 1-hydrate PA....385
5968-11-6 Sodium Carbonate 1-hydrate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX....385
5968-11-6 Sodium Carbonate 1-hydrate (E-500i, F.C.C.) ADITIO....385
5970-45-6 Zinc Acetate 2-hydrate (Reag. USP, Ph. Eur.) PA-ACS....485
5970-45-6 Zinc Acetate 2-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX....485
5989-27-5 Citrosol (Substitute of Xylene) DC....130
5989-27-5 D(+)-Limonene (F.C.C.) ADITIO....255
5989-27-5 D(+)-Limonene, 95% PS....255
5995-86-8 Gallic Acid 1-hydrate (Reag. USP, Ph. Eur.) PA-ACS....202
5995-86-8 Gallic Acid 1-hydrate, 99% PS....202
5996-10-1 D(+)-Glucose 1-hydrate (RFE, USP, BP, Ph. Eur., DAB) PRS-CODEX....204
5996-10-1 D(+)-Glucose 1-hydrate (F.C.C.) ADITIO....204
6001-64-5 1,1,1-Trichloro-2-Methyl-2-Propanol 1/2-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX....467
6009-70-7 di-Ammonium Oxalate 1-hydrate PB....56
6009-70-7 di-Ammonium Oxalate 1-hydrate (Reag. Ph. Eur.) PA-ACS....56
6009-70-7 di-Ammonium Oxalate 1-hydrate PRS....56
6018-89-9 Nickel(II) Acetate 4-hydrate PA....295
6018-89-9 Nickel(II) Acetate 4-hydrate PRS....295
6046-93-1 Copper(II) Acetate 1-hydrate (Reag. Ph. Eur.) PA-ACS....133
6046-93-1 Copper(II) Acetate 1-hydrate PRS....133
6047-25-2 Iron(II) Oxalate 2-hydrate PA....240
6047-25-2 Iron(II) Oxalate 2-hydrate PRS....240
6080-56-4 Lead(II) Acetate 3-hydrate (Reag. Ph. Eur.) PA-ACS-ISO....252
6080-56-4 Lead(II) Acetate 3-hydrate PRS....252
6100-05-6 tri-Potassium Citrate 1-hydrate PA....340
6100-05-6 tri-Potassium Citrate 1-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX....340
6100-05-6 tri-Potassium Citrate 1-hydrate (E-332ii, F.C.C.) ADITIO....340
6100-19-2 Potassium Tartrate 1/2-hydrate (Reag. Ph. Eur.) PA....359
6100-19-2 Potassium Tartrate 1/2-hydrate PRS....359
6100-20-5 Potassium tetra-Oxalate 2-hydrate PRS....354
6104-58-1 Coomassie Brilliant Blue G 250 (C.I. 42655) DC....133
6104-59-2 Coomassie Brilliant Blue R 250 (C.I. 42660) DC....133
6106-04-3 Sodium L-Glutamate 1-hydrate (USP) PRS-CODEX..393
6106-04-3 Sodium L-Glutamate 1-hydrate (E-621, F.C.C.) ADITIO....393
6106-21-4 Sodium Succinate 6-hydrate PA....413
6106-24-7 Sodium Tartrate 2-hydrate EQP-ACS....415
6106-24-7 Sodium Tartrate 2-hydrate (Reag. Ph. Eur.) PA....416
6106-24-7 Sodium Tartrate 2-hydrate PRS....416
6106-24-7 Sodium Tartrate 2-hydrate (E-335ii, F.C.C.) ADITIO....416
6131-90-4 Sodium Acetate 3-hydrate PA-ACS-ISO....380
6131-90-4 Sodium Acetate 3-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX....380
6131-90-4 Sodium Acetate 3-hydrate (E-262i, F.C.C.) ADITIO....380
6131-90-4 Sodium Acetate 3-hydrate QP....380
6132-02-1 Sodium Carbonate 10-hydrate PA-ISO....385
6132-02-1 Sodium Carbonate 10-hydrate PRS....386
6132-02-1 Sodium Carbonate 10-hydrate (E-500i, F.C.C.) ADITIO....386
6132-04-3 tri-Sodium Citrate 2-hydrate PA-ACS....388
6132-04-3 tri-Sodium Citrate 2-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX....389
6132-04-3 tri-Sodium Citrate 2-hydrate (E-331iii, F.C.C.) ADITIO....389
6138-23-4 D(+)-Trehalose 2-hydrate PB....461
6146-52-7 5-Nitroindole, 98% PS....303
6147-53-1 Cobalt(II) Acetate 4-hydrate (Reag. USP) PA-ACS....130
6147-53-1 Cobalt(II) Acetate 4-hydrate PRS....131
6152-67-6 4-(Phenylamino) Benzenesulphonic Acid Sodium Salt PA-ACS....324
6153-39-5 3,5-Dihydroxytoluene 1-hydrate, 99% PS....160
6153-56-6 Oxalic Acid 2-hydrate (Reag. Ph. Eur.) PA-ACS-ISO....307
6153-56-6 Oxalic Acid 2-hydrate PRS....307
6153-56-6 Oxalic Acid 2-hydrate, 99% PS....307
6153-56-6 Oxalic Acid 0,025 mol/l (0,05N) SV....307
6153-56-6 Oxalic Acid 0,05 mol/l (0,1N) SV....307
6153-56-6 Oxalic Acid 0,05 mol (6,303g $C_2H_2O_4$) to prepare 1l of 0,1N solution SVc....307
6153-56-6 Oxalic Acid 0,5 mol/l (1N) SV....307
6156-78-1 Manganese(II) Acetate 4-hydrate PA....267
6156-78-1 Manganese(II) Acetate 4-hydrate PRS....267
6160-80-1 4-Methylumbelliferyl-β-D-Glucuronide 3-hydrate PB....289
6192-52-5 Toluene-4-Sulphonic Acid 1-hydrate, 98% PS....460
6211-24-1 4-(Phenylamino) Benzenesulphonic Acid Barium Salt PA....324
6226-79-5 Ponceau S (C.I. 27195) DC....334
6287-38-3 3,4-Dichlorobenzaldehyde, 98% PS....149
6363-53-7 Maltose 1-hydrate PRS....266
6381-59-5 Potassium Sodium Tartrate 4-hydrate P A-ACS-ISO....357
6381-59-5 Potassium Sodium Tartrate 4-hydrate (USP) PRS-CODEX....358
6381-59-5 Potassium Sodium Tartrate 4-hydrate (E-337, F.C.C.) ADITIO....358
6381-92-6 Ethylenediaminetetraacetic Acid Disodium Salt 2-hydrate (Reag. Ph. Eur.) PA-ACS....184
6381-92-6 Ethylenediaminetetraacetic Acid Disodium Salt 2-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX....184
6381-92-6 Ethylenediaminetetraacetic Acid Disodium Salt 2-hydrate (F.C.C.) ADITIO....184
6381-92-6 Ethylenediaminetetraacetic Acid Disodium Salt 0,01 mol/l (0,01M) SV....185
6381-92-6 Ethylenediaminetetraacetic Acid Disodium Salt 0,01785 mol/l (0,01785M) SV....185
6381-92-6 Ethylenediaminetetraacetic Acid Disodium Salt 0,05 mol/l (0,05M) SV....185
6381-92-6 Ethylenediaminetetraacetic Acid Disodium Salt 0,1 mol/l (0,1M) SV....185
6381-92-6 Ethylenediaminetetraacetic Acid Disodium Salt 0,1 mol (37,224g $C_{10}H_{14}N_2Na_2O_8.2H_2O$) to prep.1l of 0,1M sol. SVc....185
6487-48-5 di-Potassium Oxalate 1-hydrate PA-ACS....355
6487-48-5 di-Potassium Oxalate 1-hydrate PA....355
6487-48-5 di-Potassium Oxalate 1-hydrate PRS....355
6505-50-6 Manganese(II) Lactate 3-hydrate PRS....268
6586-04-5 Toluidine Blue O (C.I. 52040) DC....461
6586-04-5 Toluidine Blue O solution 1% DC....461
6858-44-2 tri-Sodium Citrate 5,5-hydrate PA....389
6858-44-2 tri-Sodium Citrate 5,5-hydrate PRS....389
6858-44-2 tri-Sodium Citrate 5,5-hydrate (E-331iii) ADITIO....389
6921-34-2 Benzylmagnesium Chloride 2M in THF PS....76
6940-78-9 1-Bromo-4-Chlorobutane, 98% PS....85
6976-37-0 2,2-Bis (Hydroxyethyl)-Imino tris (Hydroxymethyl) Methane PB....78
7051-34-5 Bromomethylcyclopropane, 91% PS....88
7080-50-4 Chloramine T 3-hydrate (Reag. USP) PA-ACS....121
7080-50-4 Chloramine T 3-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX....121
7080-50-4 Chloramine T 3-hydrate, 98% PS....121
7087-68-5 N-Ethyl Di-Isopropylamine BS....183
7087-68-5 N-Ethyl Di-Isopropylamine, 98% PS....183
7114-03-6 Methyl Green (C.I. 42585) DC....284
7151-68-0 3-Methoxy-4-Methylbenzoic Acid, 96% PS....279
7154-66-7 2-Bromobenzoyl Chloride, 98% PS....85
7240-90-6 5-Bromo-4-Chloro-3-Indolyl-β-D-Galactopyranoside PB....85
7291-22-7 Pyridine-D5 deuteration degree min. 99,95% (NMR) PAI....368
7291-22-7 Pyridine-D5 deuteration degree min. 99,8% (NMR) PAI....368
7291-22-7 Pyridine-D5 deuteration degree min. 99,5% (NMR) PAI....368
7320-34-5 tetra-Potassium Pyrophosphate anhydrous PRS....357
7320-34-5 tetra-Potassium Pyrophosphate anhydrous (E-450v, F.C.C.) ADITIO....357
7345-79-1 2-Bromocinnamic Acid, 98% PS....86
7345-82-6 2,3-Dimethoxycinnamic Acid, 97% PS....162
7365-44-8 N-[Tris (Hydroxymethyl) Methyl] 2-Aminoethanesulphonic Acid PB....473
7365-45-9 2-[4(2-Hydroxyethyl)-1-Piperazinyl] Ethanesulphonic Acid PB....232
7365-82-4 N-(2-Acetamido) 2-Aminoethanesulphonic Acid PB....20
7429-90-5 Aluminium metal, powder PRS....38
7432-21-5 N-α-Z-L-Tryptophan, 98% PS....489
7439-89-6 Iron metal reduced by hydrogen PRS....239
7439-89-6 Iron metal, fine granulated QP....239
7439-89-6 Iron metal, thick granulated QP....239
7439-92-1 Lead, 98% metal, granules PS....252
7439-92-1 Lead metal, powder PRS....252
7439-93-2 Lithium metal, pieces in Argon atmosphere PRS....256
7439-93-2 Lithium, 99% metal, sticks 1 cm diam. in vaseline oil PS....256
7439-93-2 Lithium, 99% metal, granulated ~2,5 mm diameter in Argon atmosphere PS....256
7439-95-4 Magnesium metal, ribbon QP....260
7439-95-4 Magnesium metal, filings PRS....260
7439-95-4 Magnesium, 99% metal, filings PS....260
7439-95-4 Magnesium metal, powder PRS....260
7439-96-5 Manganese metal, small sheets PRS....267
7439-97-6 Mercury metal tridistilled (Reag. Ph. Eur.) PA-ACS....271
7439-97-6 Mercury metal PRS....271
7440-02-0 Nickel metal, balls (Reag. USP) PA....295
7440-05-3 Palladium 5% on Calcium Carbonate, poisoned with lead PS....308
7440-05-3 Palladium-Charcoal Activated (5% Pd) PS....308
7440-05-3 Palladium-Charcoal Activated (10% Pd) PS....308
7440-23-5 Sodium metal, sticks (Reag. Ph. Eur.) PA-ACS....379
7440-23-5 Sodium metal, sticks PRS....379
7440-23-5 Sodium, 99% metal, sticks in vaseline oil PS....379
7440-31-5 Tin metal, powder PRS....455
7440-36-0 Antimony metal, pieces QP....61
7440-43-9 Cadmium metal, sheets PRS....102
7440-43-9 Cadmium metal, thick powder (Reag. Ph. Eur.) PA....103
7440-44-0 Charcoal Activated powder PA....120
7440-44-0 Charcoal Activated powder (E-153, F.C.C.) ADITIO....120
7440-44-0 Charcoal Activated powder QP....120
7440-44-0 Charcoal Activated granulated n° 1 QP....120
7440-44-0 Charcoal Activated granulated n° 2 QP....120
7440-44-0 Charcoal Activated granulated n° 3 QP....120
7440-50-8 Copper metal, powder PRS....133
7440-50-8 Copper, 99% metal, turnings PS....133
7440-66-6 Zinc metal, powder PRS....485
7440-69-9 Bismuth metal, needles QP....78
7440-70-2 Calcium, 98% metal, granules PS....105
7446-08-4 Selenium(IV) Oxide, 97% PS....374
7446-14-2 Lead(II) Sulphate PA....254
7446-14-2 Lead(II) Sulphate PRS....254
7446-19-7 Zinc Sulphate 1-hydrate PA....488
7446-19-7 Zinc Sulphate 1-hydrate (USP) PRS-CODEX....488
7446-19-7 Zinc Sulphate 1-hydrate (F.C.C.) ADITIO....488
7446-20-0 Zinc Sulphate 7-hydrate PA-ACS....488
7446-20-0 Zinc Sulphate 7-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX....488
7446-20-0 Zinc Sulphate 7-hydrate (F.C.C.) ADITIO....488
7446-20-0 Zinc Sulphate 0,05 mol/l (0,05M) SV....489
7446-20-0 Zinc Sulphate 0,1 mol/l (0,1M) SV....489
7446-70-0 Aluminium Chloride anhydrous, 98% PS....39
7447-40-7 Potassium Chloride EQP-ACS-ISO....338
7447-40-7 Potassium Chloride PA-ACS-ISO....338
7447-40-7 Potassium Chloride PRS....338
7447-40-7 Potassium Chloride (RFE, USP, BP, Ph. Eur.) CODEX....339
7447-40-7 Potassium Chloride (E-508, F.C.C.) ADITIO....339
7447-40-7 Potassium Chloride QP....339
7447-40-7 Potassium Chloride saturated solution RV....339
7447-40-7 Potassium Chloride 3 mol/l RV....339
7447-40-7 Potassium Chloride 1 mol/l (1N) SV....339
7447-40-7 Potassium Chloride 0,1 mol/l (0,1N) SV....339
7447-41-8 Lithium Chloride (Reag. USP, Ph. Eur.) PA-ACS....257
7447-41-8 Lithium Chloride PRS....258
7447-41-8 Lithium Chloride 1 mol/l in ethanol RV....258
7487-88-9 Magnesium Sulphate anhydrous QP....264
7487-88-9 Magnesium Sulphate 75% extradry, powder PRS....264
7487-88-9 Magnesium Sulphate 65% dry, powder (BP) PRS-CODEX....265
7487-88-9 Magnesium Sulphate 0,1 mol/l (0,1M) SV....265
7487-94-7 Mercury(II) Chloride PA-ACS....272
7487-94-7 Mercury(II) Chloride PRS....272
7488-55-3 Tin(II) Sulphate PRS....456
7536-55-2 N-α-BOC-L-Asparagine, 98% PS....80
7550-35-8 Lithium Bromide PA....257
7550-35-8 Lithium Bromide PRS....257
7553-56-2 Iodine resublimed pearls PA-ACS....236
7553-56-2 Iodine resublimed pearls (RFE, USP, BP, Ph. Eur.) PRS-CODEX....237
7553-56-2 Iodine crude QP....237
7553-56-2 Iodine 0,01 mol/l (0,02N) SV....237
7553-56-2 Iodine 0,02365 mol/l (0,0473N) ASTM D 1510 SV....237
7553-56-2 Iodine 0,025 mol/l (0,05N) SV....237
7553-56-2 Iodine 0,05 mol/l (0,1N) SV....237
7553-56-2 Iodine 0,05 mol (12,690g I_2) to prepare 1l of 0,1N solution SVc....237
7553-56-2 Iodine 0,5 mol/l (1N) SV....237
7553-56-2 Iodine 0,01 mol/l (0,02N) VINIKIT....238
7558-79-4 di-Sodium Hydrogen Phosphate anhydrous (Reag. Ph. Eur.) PA-ACS....395
7558-79-4 di-Sodium Hydrogen Phosphate anhydrous (USP, BP, Ph. Eur.) PRS-CODEX....396
7558-79-4 di-Sodium Hydrogen Phosphate anhydrous (E-339ii, F.C.C.) ADITIO....396
7558-79-4 di-Sodium Hydrogen Phosphate anhydrous QP....396
7558-80-7 Sodium di-Hydrogen Phosphate anhydrous PA....397
7601-90-3 Perchloric Acid 70% (TMA) HIPERPUR-PLUS....315
7601-90-3 Perchloric Acid 70% (TMA) HIPERPUR....315
7601-90-3 Perchloric Acid 70% (max. 0,0000005% Hg) PA-ACS-ISO....316
7601-90-3 Perchloric Acid 70% PA-ACS-ISO....316
7601-90-3 Perchloric Acid 70% PRS....316
7601-90-3 Perchloric Acid 60% PA-ACS-ISO....316
7601-90-3 Perchloric Acid 60% PRS....316
7601-90-3 Perchloric Acid 20% PRS....317
7601-90-3 Perchloric Acid 1 mol/l (1N) SV....317
7631-90-5 Sodium Hydrogen Sulphite solution 40% w/v QP....399
7631-99-4 Sodium Nitrate (Reag. Ph. Eur.) PA-ACS-ISO....407
7631-99-4 Sodium Nitrate PRS....407
7631-99-4 Sodium Nitrate (E-251, F.C.C.) ADITIO....407
7632-00-0 Sodium Nitrite (Reag. Ph. Eur.) PA-ACS....407
7632-00-0 Sodium Nitrite (USP) PRS-CODEX....407
7632-00-0 Sodium Nitrite (E-250, F.C.C.) ADITIO....408
7646-69-7 Sodium Hydride 60% mineral oil dispersion PS....394
7646-79-9 Cobalt(II) Chloride anhydrous, 99% PS....131
7646-79-9 Cobalt(II) Chloride anhydrous QP....131
7646-85-7 Zinc Chloride PA-ACS....486
7646-85-7 Zinc Chloride PRS....486
7646-93-7 Potassium Hydrogen Sulphate PA....348
7646-93-7 Potassium Hydrogen Sulphate PRS....348
7647-01-0 Hydrochloric Acid 37% (TMA) ANALPUR....222
7647-01-0 Hydrochloric Acid 37% (VLSI) EG....222
7647-01-0 Hydrochloric Acid 37% (MOS) EG....222
7647-01-0 Hydrochloric Acid 37% (max.0,0000005% Hg) PA-ACS-ISO....222
7647-01-0 Hydrochloric Acid 37% PA-ACS-ISO....223
7647-01-0 Hydrochloric Acid 37% (RFE, BP, Ph. Eur.) PRS-CODEX....223
7647-01-0 Hydrochloric Acid 37% (E-507, F.C.C.) ADITIO....223
7647-01-0 Hydrochloric Acid 37% QP....223
7647-01-0 Hydrochloric Acid 35% (TMA) HIPERPUR-PLUS....224
7647-01-0 Hydrochloric Acid 35% (TMA) HIPERPUR....224
7647-01-0 Hydrochloric Acid 32% PA-ISO....225
7647-01-0 Hydrochloric Acid 32% PRS....225
7647-01-0 Hydrochloric Acid 25% PA-ISO....225
7647-01-0 Hydrochloric Acid 10 g/l RE....225
7647-01-0 Hydrochloric Acid 10 g/l VINIKIT....225
7647-01-0 Hydrochloric Acid-Water solution 50:50 VINIKIT....225
7647-01-0 Hydrochloric Acid 0,01 mol/l (0,01N) SV....226
7647-01-0 Hydrochloric Acid 0,05 mol/l (0,05N) SV....226
7647-01-0 Hydrochloric Acid 0,1 mol/l (0,1N) RE....226
7647-01-0 Hydrochloric Acid 0,1 mol/l (0,1N) SV....226
7647-01-0 Hydrochloric Acid 0,1 mol (3,646g HCl) to prepare 1l of 0,1N solution SVc....226
7647-01-0 Hydrochloric Acid 0,25 mol/l (0,25N) SV....226
7647-01-0 Hydrochloric Acid 0,310 mol/l (1,128% w/v) SV....226
7647-01-0 Hydrochloric Acid 0,3571 mol/l (N/2,8) SV....226
7647-01-0 Hydrochloric Acid 0,5 mol/l (0,5N) SV....226
7647-01-0 Hydrochloric Acid 0,5 mol (18,230g HCl) to prepare 1l of 0,5N solution SVc....226
7647-01-0 Hydrochloric Acid 1 mol/l (1N) SV....226
7647-01-0 Hydrochloric Acid 1 mol (36,461g HCl) to prepare 1l of 1N solution SVc....226
7647-01-0 Hydrochloric Acid 2 mol/l (2N) SV....226
7647-01-0 Hydrochloric Acid 3 mol/l (3N) SV....227
7647-01-0 Hydrochloric Acid 3,571 mol/l (3,571N) SV....227
7647-01-0 Hydrochloric Acid 5 mol/l (5N) SV....227
7647-10-1 Palladium(II) Chloride anhydrous PS....309

7647-14-5 DERQUIM SALT (Sodium Chloride lumps) 146
7647-14-5 Sodium Chloride EQP-ACS-ISO 386
7647-14-5 Sodium Chloride (max. 0,0000005% Hg) PA-ACS-ISO 386
7647-14-5 Sodium Chloride PA-ACS-ISO 387
7647-14-5 Sodium Chloride PA 387
7647-14-5 Sodium Chloride (RFE, USP, BP, Ph. Eur., JP) PRS-CODEX 387
7647-14-5 Sodium Chloride (F.C.C.) ADITIO 387
7647-14-5 Sodium Chloride QP 387
7647-14-5 Sodium Chloride ASTM B117-07 RE 387
7647-14-5 Sodium Chloride coarse salt QP 387
7647-14-5 Sodium Chloride 0,1 mol/l (0,1N) SV 388
7647-14-5 Sodium Chloride 1 mol/l (1N) SV 388
7647-14-5 Sodium Chloride solution ASTM B117-07 RE 388
7647-15-6 Sodium Bromide (Reag. USP) PA-ACS 384
7647-15-6 Sodium Bromide PA 384
7647-15-6 Sodium Bromide (RFE, BP, Ph. Eur.) PRS-CODEX 384
7647-17-8 Cesium Chloride (Reag. Ph. Eur.) PA 119
7664-38-2 ortho-Phosphoric Acid 85% PA-ACS-ISO 327
7664-38-2 ortho-Phosphoric Acid 85% (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX 327
7664-38-2 ortho-Phosphoric Acid 85% (F.C.C.) ADITIO 328
7664-38-2 ortho-Phosphoric Acid 85% QP 328
7664-38-2 ortho-Phosphoric Acid 50% PA 328
7664-38-2 Phosphorus standard solution P=10,00±0,02 g/l ICP 429
7664-39-3 Hydrofluoric Acid 50% (VLSI) EG 227
7664-39-3 Hydrofluoric Acid 50% (MOS) EG 227
7664-39-3 Hydrofluoric Acid 48% (TMA) HIPERPUR-PLUS 227
7664-39-3 Hydrofluoric Acid 48% (TMA) HIPERPUR 228
7664-39-3 Hydrofluoric Acid 48% PA-ACS-ISO 228
7664-39-3 Hydrofluoric Acid 40% PA-ISO 228
7664-39-3 Hydrofluoric Acid 40% QP 229
7664-93-9 Sulphuric Acid 93-98% (TMA) HIPERPUR-PLUS 442
7664-93-9 Sulphuric Acid 93-98% (TMA) HIPERPUR 442
7664-93-9 Sulphuric Acid 96% (VLSI) EG 443
7664-93-9 Sulphuric Acid 96% (MOS) EG 443
7664-93-9 Sulphuric Acid 95-98% (max. 0,0000005% Hg) PA-ACS-ISO 443
7664-93-9 Sulphuric Acid 96% PA-ISO 443
7664-93-9 Sulphuric Acid 98% (UNE-EN 899) PA 444
7664-93-9 Sulphuric Acid 95-98% (USP-NF, BP, Ph. Eur.) PRS-CODEX 444
7664-93-9 Sulphuric Acid 95-98% (F.C.C.) ADITIO 444
7664-93-9 Sulphuric Acid 96% QP 444
7664-93-9 Sulphuric Acid 98% RE 444
7664-93-9 Sulphuric Acid 90-91% acc. to Gerber PA 444
7664-93-9 Sulphuric Acid 25% PA 445
7664-93-9 Sulphuric Acid d(20)=1,522±0,005 according to Van Gulik RE 445
7664-93-9 Sulphuric Acid solution 1/3 w/v VINIKIT 445
7664-93-9 Sulphuric Acid solution 16% v/v VINIKIT 445
7664-93-9 Sulphuric Acid 1/3 mol/l (2/3N) DC 445
7664-93-9 Sulphuric Acid 0,01 mol/l (0,02N) SV 445
7664-93-9 Sulphuric Acid 0,025 mol/l (0,05N) SV 445
7664-93-9 Sulphuric Acid 0,05 mol/l (0,1N) SV 445
7664-93-9 Sulphuric Acid 0,05 mol (4,904g H_2SO_4) to prepare 1l of 0,1N solution SVc 445
7664-93-9 Sulphuric Acid 0,1 mol/l (0,2N) SV 446
7664-93-9 Sulphuric Acid 0,1275 mol/l (0,255N) SV 446
7664-93-9 Sulphuric Acid 0,13 mol/l (0,26N) RE 446
7664-93-9 Sulphuric Acid 0,25 mol/l (0,5N) SV 446
7664-93-9 Sulphuric Acid 0,5 mol/l (1N) SV 446
7664-93-9 Sulphuric Acid 0,5 mol (49,039g H_2SO_4) to prepare 1l of 1N solution SVc 446
7664-93-9 Sulphuric Acid 1 mol/l (2N) SV 446
7664-93-9 Sulphuric Acid 2,5 mol/l (5N) SV 446
7664-93-9 Sulphuric Acid 4 mol/l (8N) SV 446
7664-93-9 Sulphuric Acid 5 mol/l (10N) SV 446
7664-93-9 Sulphur standard solution S=1,000±0,002 g/l ICP 431
7664-93-9 Sulphur standard solution S=10,00±0,02 g/l ICP 431
7681-11-0 Potassium Iodide PA-ACS-ISO 352
7681-11-0 Potassium Iodide PA-ISO 352
7681-11-0 Potassium Iodide (RFE, USP, BP, Ph. Eur., DAB) PRS-CODEX 353
7681-11-0 Potassium Iodide (F.C.C.) ADITIO 353
7681-11-0 Potassium Iodide solution 30% w/v VINIKIT 353
7681-11-0 Potassium Iodide solution 10% w/v RE 353
7681-11-0 Potassium Iodide 0,1 mol/l (0,1N) SV 353
7681-11-0 Potassium Iodide 1 mol/l (1N) SV 353
7681-38-1 Sodium Hydrogen Sulphate anhydrous PRS 398
7681-49-4 Fluoride standard solution F=1,000±0,005 g/l AA 421
7681-49-4 Sodium Fluoride PA-ACS-ISO 392
7681-49-4 Sodium Fluoride (USP) PRS-CODEX 392
7681-52-9 Sodium Hypochlorite solution (7±2% w/w as active chlorine) PA 404
7681-52-9 Sodium Hypochlorite solution 5% w/v QP 404
7681-52-9 Sodium Hypochlorite solution 10% w/v QP 404
7681-55-2 Sodium Iodate PA 405
7681-55-2 Sodium Iodate PRS 405
7681-57-4 Sodium Disulphite PA-ACS 391
7681-57-4 Sodium Disulphite (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX 391
7681-57-4 Sodium Disulphite (E-223, F.C.C.) ADITIO 391
7681-65-4 Copper(I) Iodide PRS 135
7681-65-4 Copper(I) Iodide, 99% PS 135
7681-82-5 Sodium Iodide PA-ACS 405
7681-82-5 Sodium Iodide PRS 405
7682-20-4 S-2-Aminobutyramide Hydrochloride 492
7693-46-1 4-Nitrophenyl Chloroformate, 95% PS 304
7697-37-2 Nitric Acid fuming (Reag. Ph. Eur.) PA 297
7697-37-2 Nitric Acid fuming PS 297
7697-37-2 Nitric Acid 69% (TMA) HIPERPUR-PLUS 298
7697-37-2 Nitric Acid 69% (TMA) HIPERPUR 298
7697-37-2 Nitric Acid 69% (VLSI) EG 299
7697-37-2 Nitric Acid 69% (MOS) EG 299
7697-37-2 Nitric Acid 69% PA-ACS-ISO 299
7697-37-2 Nitric Acid 69% (USP-NF, BP, Ph. Eur.) PRS-CODEX 299
7697-37-2 Nitric Acid 65% (TMA) ANALPUR 300
7697-37-2 Nitric Acid 65% (max. 0,0000005% Hg) PA-ISO 300
7697-37-2 Nitric Acid 65% PA-ISO 300
7697-37-2 Nitric Acid 65% PRS 300
7697-37-2 Nitric Acid 65% QP 300
7697-37-2 Nitric Acid 53% PA 301
7697-37-2 Nitric Acid 0,1 mol/l (0,1N) SV 301
7697-37-2 Nitric Acid 0,5 mol/l (0,5N) SV 301
7697-37-2 Nitric Acid 1 mol/l (1N) SV 301
7697-37-2 Nitric Acid 2 mol/l (2N) SV 301
7697-37-2 Nitric Acid 4 mol/l (4N) RV 301
7699-45-8 Zinc Bromide, 98% PS 485
7704-34-9 Sulphur precipitated (RFE, BP, Ph. Eur., DAB) PRS-CODEX 441
7704-34-9 Sulphur sublimated (USP) PRS-CODEX 441
7705-08-0 Iron(III) Chloride anhydrous, 97% PS 240
7705-08-0 Iron(III) Chloride 30% aqueous solution QP 240
7719-09-7 Thionyl Chloride, 99% PS 454
7722-64-7 Potassium Permanganate (max. 0,000005% Hg) PA-ACS 356
7722-64-7 Potassium Permanganate PA-ACS 356
7722-64-7 Potassium Permanganate (RFE, USP, BP, Ph. Eur.) PRS-CODEX 356
7722-64-7 Potassium Permanganate 0,01 mol/l (0,05N) SV 356
7722-64-7 Potassium Permanganate 0,02 mol/l (0,1N) SV 356
7722-64-7 Potassium Permanganate 0,02 mol (3,161g $KMnO_4$) to prepare 1l of 0,1N solution SVc 356
7722-64-7 Potassium Permanganate 0,1 mol/l (0,5N) SV 356
7722-64-7 Potassium Permanganate 0,2 mol/l (1N) SV 356
7722-76-1 Ammonium di-Hydrogen Phosphate PB 53
7722-76-1 Ammonium di-Hydrogen Phosphate (Reag. Ph. Eur.) PA-ACS 53
7722-76-1 Ammonium di-Hydrogen Phosphate PRS 53
7722-76-1 Ammonium di-Hydrogen Phosphate (F.C.C.) ADITIO 53
7722-76-1 Phosphate Matrix Modifier RE 270
7722-84-1 Hydrogen Peroxide 33% w/v (110 vol.) PA-ACS-ISO 229
7722-84-1 Hydrogen Peroxide 33% w/v (110 vol.) stabilized (RFE, USP, BP, Ph. Eur.) PRS-CODEX 229
7722-84-1 Hydrogen Peroxide 33% w/v (110 vol.) stabilized QP 229
7722-84-1 Hydrogen Peroxide 30% w/w (VLSI) EG 229
7722-84-1 Hydrogen Peroxide 30% w/w (MOS) EG 229
7722-84-1 Hydrogen Peroxide 30% w/v (100 vol.) PA 230
7722-84-1 Hydrogen Peroxide 30% w/v (100 vol.) stabilized PRS 230
7722-84-1 Hydrogen Peroxide 30% w/v (100 vol.) stabilized (F.C.C.) ADITIO 230
7722-84-1 Hydrogen Peroxide 10% w/v (~33 vol.) stabilized VINIKIT 230
7722-84-1 Hydrogen Peroxide 6% w/v (20 vol.) stabilized (BP) PRS-CODEX 230
7722-84-1 Hydrogen Peroxide 3% w/v (10 vol.) stabilized VINIKIT 230
7722-84-1 Hydrogen Peroxide 0,9% w/v (3 vol.) VINIKIT 230
7722-88-5 tetra-Sodium Pyrophosphate anhydrous PRS 411
7722-88-5 tetra-Sodium Pyrophosphate anhydrous (E-450iii, F.C.C.) ADITIO 411
7723-14-0 Phosphorus red PRS 328
7726-95-6 Bromine Water saturated solution RE 83
7726-95-6 Bromine (Reag. Ph. Eur.) PA-ACS-ISO 83
7726-95-6 Bromine PRS 83
7726-95-6 Bromine, 99% PS 83
7727-21-1 Potassium Peroxodisulphate (Reag. Ph. Eur.) PA 356
7727-21-1 Potassium Peroxodisulphate PRS 357
7727-43-7 Barium Sulphate PA 69
7727-43-7 Barium Sulphate PRS 69
7727-43-7 Barium Sulphate for radiology (RFE, BP, Ph. Eur.) PRS-CODEX 70
7727-54-0 Ammonium Peroxodisulphate (Reag. Ph. Eur.) PA-ACS 56
7727-54-0 Ammonium Peroxodisulphate PRS 57
7727-54-0 DERQUIM OXY (Substitute of Chromic Mixture) SOLID 146
7727-73-3 Sodium Sulphate 10-hydrate (Reag. USP) PA-ACS 414
7727-73-3 Sodium Sulphate 10-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX 414
7727-73-3 Sodium Sulphate 10-hydrate (E-514i, F.C.C.) ADITIO 414
7732-18-5 Water (TMA) HIPERPUR-PLUS 479
7732-18-5 Water (HPLC-gradient grade) PAI 479
7732-18-5 Water (UV-HPLC) PAI-ACS 479
7732-18-5 Water (LC-MS) PAI 479
7732-18-5 Water (PAR) PAI 479
7732-18-5 Water PA-ACS 480
7732-18-5 Water (BP, Ph. Eur.) PRS-CODEX 480
7732-18-5 Water Deionized QP 480
7757-79-1 Nitrogen standard solution N=10,00±0,02 g/l ICP 429
7757-79-1 Potassium Nitrate without anticaking (Reag. Ph. Eur.) PA-ISO 353
7757-79-1 Potassium Nitrate without anticaking (RFE, BP, Ph. Eur.) PRS-CODEX 353
7757-79-1 Potassium Nitrate without anticaking (E-252, F.C.C.) ADITIO 354
7757-79-1 Potassium Nitrate with anticaking (E-252, F.C.C.) ADITIO 354
7757-79-1 Potassium Nitrate 1 mol/l RV 354
7757-82-6 Sulphate standard solution SO_4=1,000±0,002 g/l AA 423
7757-82-6 Sodium Sulphate anhydrous, granulated (PAR) PAI 413
7757-82-6 Sodium Sulphate anhydrous, powder (PAR) PAI 413
7757-82-6 Sodium Sulphate anhydrous (Reag. USP) PA-ACS-ISO 414
7757-82-6 Sodium Sulphate anhydrous (RFE, USP, BP, Ph. Eur.) PRS-CODEX 414
7757-82-6 Sodium Sulphate anhydrous (E-514i, F.C.C.) ADITIO 414
7757-82-6 Sodium Sulphate anhydrous, 99% PS 414
7757-83-7 Sodium Sulphite anhydrous PA-ACS 415
7757-83-7 Sodium Sulphite anhydrous PRS 415
7757-83-7 Sodium Sulphite anhydrous (RFE, BP, Ph. Eur.) CODEX 415
7757-83-7 Sodium Sulphite anhydrous (E-221, F.C.C.) ADITIO 415
7757-93-9 Calcium Hydrogen Phosphate anhydrous PA 109
7757-93-9 Calcium Hydrogen Phosphate anhydrous (RFE, USP, BP, Ph. Eur.) PRS-CODEX 109
7757-93-9 Calcium Hydrogen Phosphate anhydrous (E-341ii, F.C.C.) ADITIO 109
7758-01-2 Potassium Bromate EQP-ACS-ISO 335
7758-01-2 Potassium Bromate (Reag. Ph. Eur.) PA-ACS-ISO 336
7758-01-2 Potassium Bromate PRS 336
7758-01-2 Potassium Bromate (F.C.C.) ADITIO 336
7758-01-2 Potassium Bromate 1/60 mol/l (0,1N) SV 336
7758-02-3 Potassium Bromide (IR) PAI 336
7758-02-3 Potassium Bromide PA-ACS 336
7758-02-3 Potassium Bromide PA 336
7758-02-3 Potassium Bromide (RFE, BP, Ph. Eur.) PRS-CODEX 337
7758-05-6 Potassium Iodate EQP-ACS-ISO 351
7758-05-6 Potassium Iodate (Reag. Ph. Eur.) PA-ACS 352
7758-05-6 Potassium Iodate PRS 352
7758-05-6 Potassium Iodate (F.C.C.) ADITIO 352
7758-05-6 Potassium Iodate 0,05 mol/l (0,3N) SV 352
7758-05-6 Potassium Iodate 1/60 mol/l (0,1N) SV 352
7758-09-0 Potassium Nitrite PA-ACS 354
7758-09-0 Potassium Nitrite PRS 354
7758-09-0 Potassium Nitrite (E-249, F.C.C.) ADITIO 354
7758-11-4 di-Potassium Hydrogen Phosphate anhydrous (Reag. Ph. Eur.) PA-ACS 346
7758-11-4 di-Potassium Hydrogen Phosphate anhydrous PA 346
7758-11-4 di-Potassium Hydrogen Phosphate anhydrous (RFE, BP, Ph. Eur.) PRS-CODEX 346
7758-11-4 di-Potassium Hydrogen Phosphate anhydrous (E-340ii, F.C.C.) ADITIO 346
7758-16-9 di-Sodium di-Hydrogen Pyrophosphate PRS 398
7758-16-9 di-Sodium di-Hydrogen Pyrophosphate (E-450i, F.C.C.) ADITIO 398
7758-19-2 Sodium Chlorite solution 25% w/w PS 388
7758-23-8 Calcium Bis (di-Hydrogen Phosphate) 1-hydrate PA 106
7758-23-8 Calcium Bis (di-Hydrogen Phosphate) 1-hydrate PRS 106
7758-23-8 Calcium Bis (di-Hydrogen Phosphate) 1-hydrate (E-341i, F.C.C.) ADITIO 106
7758-87-4 tri-Calcium Phosphate (RFE, BP, Ph. Eur.) PRS-CODEX 111
7758-87-4 tri-Calcium Phosphate (E-341iii, F.C.C.) ADITIO 111
7758-89-6 Copper(I) Chloride PA-ACS 134
7758-89-6 Copper(I) Chloride, 95% PS 134
7758-95-4 Lead(II) Chloride PA 252
7758-95-4 Lead(II) Chloride PRS 252
7758-95-4 Lead(II) Chloride, 99% PS 252
7758-97-6 Lead(II) Chromate PA 253
7758-98-7 Copper(II) Sulphate anhydrous (Reag. USP) PA 136
7758-98-7 Copper(II) Sulphate anhydrous (RFE, BP, Ph. Eur.) PRS-CODEX 136
7758-98-7 Copper(II) Sulphate solution d.1,050 DC 137
7758-98-7 Copper(II) Sulphate solution d.1,053 DC 137
7758-98-7 Copper(II) Sulphate solution d.1,055 DC 137
7758-98-7 Copper(II) Sulphate 0,1 mol/l (0,1M) SV 137
7758-99-8 Copper(II) Sulphate 5-hydrate (Reag. Ph. Eur.) PA-ACS-ISO 136
7758-99-8 Copper(II) Sulphate 5-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX 136
7759-02-6 Strontium Sulphate PRS 439
7761-88-8 Silver Nitrate EQP-ACS-ISO 377
7761-88-8 Silver Nitrate PA-ACS-ISO 377
7761-88-8 Silver Nitrate (RFE, BP, Ph. Eur.) PRS-CODEX 377
7761-88-8 Silver Nitrate solution 0,5% w/v RE 377
7761-88-8 Silver Nitrate solution 2% w/v RE 377
7761-88-8 Silver Nitrate volumetric solution 2,9067% RV 378
7761-88-8 Silver Nitrate 0,01 mol/l (0,01N) SV 378
7761-88-8 Silver Nitrate 0,02 mol/l (0,02N) SV 378
7761-88-8 Silver Nitrate 0,05 mol/l (0,05N) SV 378
7761-88-8 Silver Nitrate 0,1 mol/l (0,1N) SV 378
7761-88-8 Silver Nitrate 0,1 mol (16,987g $AgNO_3$) to prepare 1l of 0,1N solution SVc 378
7761-88-8 Silver Nitrate 1 mol/l (1N) SV 378
7772-98-7 Sodium Thiosulphate anhydrous PA 416
7772-98-7 Sodium Thiosulphate 0,01 mol/l (0,01N) SV 417
7772-98-7 Sodium Thiosulphate 0,0394 mol/l (0,0394N) ASTM D 1510 SV 417
7772-98-7 Sodium Thiosulphate 0,05 mol/l (0,05N) SV 417
7772-98-7 Sodium Thiosulphate 0,1 mol/l (0,1N) SV 417
7772-98-7 Sodium Thiosulphate 0,2 mol/l (0,2N) SV 417
7772-98-7 Sodium Thiosulphate 1 mol/l (1N) SV 417
7772-98-7 Sodium Thiosulphate 0,0551 mol/l (0,0551N) VINIKIT 417
7773-06-0 Ammonium Sulphamate (Reag. Ph. Eur.) PA-ACS 57
7774-29-0 Mercury(II) Iodide red (Reag. Ph. Eur.) PA-ACS 272
7774-29-0 Mercury(II) Iodide red PA 272
7774-34-7 Calcium Chloride 6-hydrate PA 108
7774-34-7 Calcium Chloride 6-hydrate PRS 108
7774-34-7 Calcium Chloride 6-hydrate (E-509) ADITIO 108
7775-09-9 Sodium Chlorate PA-ACS 386
7775-09-9 Sodium Chlorate PRS 386
7775-11-3 Sodium Chromate PA 388
7775-14-6 Sodium Dithionite QP 391
7775-27-1 Sodium Peroxodisulphate PRS 410
7778-50-9 Potassium Dichromate (Reag. Ph. Eur.) EQP-ISO 341
7778-50-9 Potassium Dichromate (max. 0,000005% Hg) PA-ACS-ISO 341
7778-50-9 Potassium Dichromate PA-ACS-ISO 341
7778-50-9 Potassium Dichromate PRS 341
7778-50-9 Potassium Dichromate solution 10% RE 342
7778-50-9 Potassium Dichromate 0,02 mol/l (0,02M) RE 342
7778-50-9 Potassium Dichromate 1/60 mol/l (0,1N) SV 342
7778-50-9 Potassium Dichromate $^{1}/_{60}$ mol (4,903g $K_2Cr_2O_7$) to prepare 1l of 0,1N solution SVc 342
7778-50-9 Potassium Dichromate 1/24 mol/l (0,25N) SV 342
7778-50-9 Potassium Dichromate 1/6 mol/l (1N) SV 342
7778-74-7 Potassium Perchlorate PA-ACS 355
7778-74-7 Potassium Perchlorate (DAC) PRS-CODEX 355
7778-77-0 Phosphorus standard solution P=1,000±0,002 g/l ICP 429
7778-77-0 Potassium di-Hydrogen Phosphate PA-ACS 347
7778-77-0 Potassium di-Hydrogen Phosphate PA 347
7778-77-0 Potassium di-Hydrogen Phosphate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX 347
7778-77-0 Potassium di-Hydrogen Phosphate (E-340i, F.C.C.) ADITIO 347

7778-77-0 Potassium di-Hydrogen Phosphate 1/15 mol/l (1/15M) RV ... 347
7778-80-5 Potassium Sulphate (Reag. Ph. Eur.) PA-ACS-ISO ... 358
7778-80-5 Potassium Sulphate PRS ... 359
7778-80-5 Potassium Sulphate (E-515i, F.C.C.) ADITIO ... 359
7782-49-2 Selenium metal powder PRS ... 374
7782-61-8 Iron(III) Nitrate 9-hydrate PRS ... 240
7782-63-0 Iron(II) Sulphate 7-hydrate PA-ACS ... 241
7782-63-0 Iron(II) Sulphate 7-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 241
7782-63-0 Iron(II) Sulphate 7-hydrate (F.C.C.) ADITIO ... 241
7782-75-4 Magnesium Hydrogen Phosphate 3-hydrate PRS ... 262
7782-75-4 Magnesium Hydrogen Phosphate 3-hydrate (E-343ii, F.C.C.) ADITIO ... 262
7782-85-6 di-Sodium Hydrogen Phosphate 7-hydrate PA-ACS ... 396
7782-86-7 Mercury(I) Nitrate 2-hydrate (ACS IX) PA-ACS ... 272
7782-86-7 Mercury(I) Nitrate 2-hydrate PRS ... 273
7782-89-0 Lithium Amide, 94% PS ... 256
7782-91-4 Molybdic Acid (contains ammonium molybdate) PA-ACS ... 291
7782-91-4 Molybdic Acid (contains ammonium molybdate) PRS ... 291
7782-99-2 Sulphurous Acid solution 6% PA-ACS ... 447
7783-20-2 Ammonium Sulphate (Reag. Ph. Eur.) PA-ACS-ISO ... 57
7783-20-2 Ammonium Sulphate PA ... 57
7783-20-2 Ammonium Sulphate PRS ... 57
7783-20-2 Ammonium Sulphate (E-517, F.C.C.) ADITIO ... 58
7783-20-2 Nitrogen standard solution N=1,000±0,002 g/l ICP ... 429
7783-28-0 di-Ammonium Hydrogen Phosphate (Reag. Ph. Eur) PA-ACS ... 52
7783-28-0 di-Ammonium Hydrogen Phosphate (USP) PRS-CODEX ... 52
7783-28-0 di-Ammonium Hydrogen Phosphate (F.C.C.) ADITIO ... 52
7783-35-9 Mercury(II) Sulphate PA-ACS ... 274
7783-35-9 Mercury(II) Sulphate PRS ... 274
7783-40-6 Magnesium Fluoride PA ... 262
7783-40-6 Magnesium Fluoride PRS ... 262
7783-48-4 Strontium Fluoride PRS ... 438
7783-83-7 Alum Iron Ammonium saturated solution RV ... 41
7783-83-7 Ammonium Iron(III) Sulphate 12-hydrate (Reag. Ph. Eur.) PA-ACS-ISO ... 55
7783-83-7 Ammonium Iron(III) Sulphate 12-hydrate PRS ... 55
7783-85-9 Ammonium Iron(II) Sulphate 6-hydrate (Reag. Ph. Eur.) PA-ISO ... 54
7783-85-9 Ammonium Iron(II) Sulphate 6-hydrate PRS ... 54
7783-85-9 Ammonium Iron(II) Sulphate 0,1 mol/l (0,1N) SV ... 54
7783-85-9 Ammonium Iron(II) Sulphate 0,12 mol/l (0,12N) SV ... 54
7783-90-6 Silver Chloride PRS ... 377
7783-96-2 Silver Iodide PA ... 377
7784-13-6 Aluminium Chloride 6-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 39
7784-24-9 Aluminium Potassium Sulphate 12-hydrate PA-ACS ... 40
7784-24-9 Aluminium Potassium Sulphate 12-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 40
7784-24-9 Aluminium Potassium Sulphate 12-hydrate (E-522, F.C.C.) ADITIO ... 40
7784-26-1 Aluminium Ammonium Sulphate 12-hydrate PA-ACS ... 38
7784-26-1 Aluminium Ammonium Sulphate 12-hydrate (USP) PRS-CODEX ... 38
7784-27-2 Aluminium Nitrate 9-hydrate (Reag. Ph. Eur.) PA-ACS ... 39
7784-27-2 Aluminium Nitrate 9-hydrate PRS ... 39
7784-31-8 Aluminium Sulphate 18-hydrate PA-ACS ... 40
7784-31-8 Aluminium Sulphate 18-hydrate PRS ... 40
7784-31-8 Aluminium Sulphate 18-hydrate (RFE, BP, Ph. Eur.) CODEX ... 40
7784-31-8 Aluminium Sulphate 0,9 mol/l RV ... 40
7784-46-5 Sodium meta-Arsenite PA ... 381
7784-46-5 Sodium meta-Arsenite PRS ... 381
7784-46-5 Sodium meta-Arsenite 0,05 mol/l (0,1N) SV ... 381
7787-32-8 Barium Fluoride PRS ... 68
7787-70-4 Copper(I) Bromide PRS ... 134
7788-98-9 Ammonium Chromate PA ... 50
7788-98-9 Ammonium Chromate PRS ... 50
7788-99-0 Chromium(III) Potassium Sulphate 12-hydrate (Reag. Ph. Eur.) PA-ACS ... 128
7788-99-0 Chromium(III) Potassium Sulphate 12-hydrate PRS ... 128
7789-00-6 Potassium Chromate (max. 0,02% Na) (Reag. Ph. Eur.) PA-ACS ... 339
7789-00-6 Potassium Chromate PA ... 339
7789-00-6 Potassium Chromate PRS ... 340
7789-00-6 Potassium Chromate solution 5% w/v RV ... 340
7789-00-6 Potassium Chromate solution 10% w/v RV ... 340
7789-02-8 Chromium(III) Nitrate 9-hydrate PA ... 127
7789-02-8 Chromium(III) Nitrate 9-hydrate PRS ... 127
7789-09-5 Ammonium Dichromate moistened with 0,5 - 3,0% of H_2O PA-ACS ... 50
7789-09-5 Ammonium Dichromate moistened with 0,5-3,0% of H_2O PRS ... 50
7789-12-0 Sodium Dichromate 2-hydrate (Reag. USP) PA-ACS ... 390
7789-12-0 Sodium Dichromate 2-hydrate PRS ... 390
7789-20-0 Deuterium Oxide deuteration degree min. 99,98% (NMR) PAI ... 147
7789-20-0 Deuterium Oxide deuteration degree min. 99,8% (NMR) PAI ... 147
7789-23-3 Potassium Fluoride PRS ... 343
7789-24-4 Lithium Fluoride PRS ... 258
7789-29-9 Potassium Hydrogen Difluoride, 99% PS ... 345
7789-33-5 Iodine mono-Bromide PRS ... 238
7789-33-5 Iodine mono-Bromide, 98% PS ... 238
7789-38-0 Sodium Bromate PRS ... 383
7789-45-9 Copper(II) Bromide PRS ... 134
7789-45-9 Copper(II) Bromide, 99% PS ... 134
7789-47-1 Mercury(II) Bromide (Reag. Ph. Eur.) PA-ACS ... 271
7789-47-1 Mercury(II) Bromide PRS ... 271
7789-60-8 Phosphorus tri-Bromide, 98% PS ... 328
7789-77-7 Calcium Hydrogen Phosphate 2-hydrate PA ... 109
7789-77-7 Calcium Hydrogen Phosphate 2-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 109
7789-77-7 Calcium Hydrogen Phosphate 2-hydrate (E-341ii, F.C.C.) ADITIO ... 110
7790-21-8 Potassium meta-Periodate (Reag. Ph. Eur.) PA-ACS ... 355
7790-21-8 Potassium meta-Periodate PRS ... 356
7790-28-5 Sodium meta-Periodate (Reag. Ph. Eur.) PA-ACS ... 409
7790-28-5 Sodium meta-Periodate QP ... 409
7790-69-4 Lithium Nitrate PRS ... 258
7790-80-9 Cadmium Iodide PA ... 103
7790-80-9 Cadmium Iodide PRS ... 104
7790-84-3 Cadmium Sulphate 8/3-hydrate PA-ACS ... 104
7790-84-3 Cadmium Sulphate 8/3-hydrate PRS ... 104
7790-94-5 Chlorosulphonic Acid, 98% PS ... 126
7790-98-9 Ammonium Perchlorate PA ... 56
7790-98-9 Ammonium Perchlorate PRS ... 56
7790-99-0 Iodine mono-Chloride, 98% PS ... 238
7791-07-3 Sodium Perchlorate 1-hydrate (Reag. USP) PA-ACS ... 409
7791-13-1 Cobalt(II) Chloride 6-hydrate (Reag. Ph. Eur.) PA-ACS-ISO ... 131
7791-13-1 Cobalt(II) Chloride 6-hydrate PRS ... 131
7791-18-6 Magnesium Chloride 6-hydrate PA-ACS-ISO ... 261
7791-18-6 Magnesium Chloride 6-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX ... 261
7791-18-6 Magnesium Chloride 6-hydrate (RFE, USP, BP, Ph. Eur., DAB) CODEX ... 261
7791-18-6 Magnesium Chloride 6-hydrate (E-511, F.C.C.) ADITIO ... 261
7791-18-6 Magnesium Chloride 6-hydrate QP ... 261
7791-20-0 Nickel(II) Chloride 6-hydrate PA ... 295
7791-20-0 Nickel(II) Chloride 6-hydrate PRS ... 295
7791-25-5 Sulphuryl Chloride, 98% PS ... 447
7803-55-6 Ammonium meta-Vanadate (Reag. USP, Ph. Eur.) PA-ACS ... 59
7803-55-6 Ammonium meta-Vanadate PRS ... 59
7803-57-8 Hydrazinium Hydroxide 100% PS ... 220
7803-63-6 Ammonium Hydrogen Sulphate (Reag. USP) PA ... 53
7803-63-6 Ammonium Hydrogen Sulphate PRS ... 53
8000-27-9 Cedar Wood Oil DC ... 118
8000-27-9 Immersion Oil purified DC ... 235
8001-79-4 Immersion Oil DC ... 235
8001-79-4 Castor Oil (RFE, BP, Ph. Eur., DAB) PRS-CODEX ... 118
8002-74-2 Paraffin M.P. ~42-44°C pieces QP ... 309
8002-74-2 Paraffin M.P. 51-53°C pellets (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 309
8002-74-2 Paraffin M.P. 51-53°C pellets (F.C.C.) ADITIO ... 309
8002-74-2 Paraffin M.P. 51-53°C pellets DC ... 310
8002-74-2 Paraffin M.P. 52°C plasticized pellets DC ... 310
8002-74-2 Paraffin M.P. 56-58°C pellets DC ... 310
8002-74-2 Paraffin M.P. 56-58°C plasticized + DMSO pellets DC ... 310
8002-74-2 Paraffin M.P. 56-58°C plasticized pellets DC ... 310
8002-74-2 Paraffin M.P. 60-65°C (F.C.C.) ADITIO ... 310
8002-74-2 Paraplast X-Tra®Paraffin M.P. 52°C pellets ... 310
8002-74-2 Paraplast Plus®, Paraffin M.P. 56°C + DMSO pellets ... 310
8002-74-2 Paraplast®Paraffin M.P. 56-58°C pellets ... 310
8003-05-2 Phenylmercury Nitrate (basic) (RFE, BP, Ph. Eur.) PRS-CODEX ... 326
8004-87-3 Methyl Violet (C.I. 42535) DC ... 290
8005-03-6 Nigrosine water soluble (C.I. 50420) DC ... 297
8006-28-8 Soda Lime with indicator QP ... 379
8006-64-2 Turpentine Oil stabilized with 100 ppm of DL-α-Tocopherol (BP) PRS-CODEX ... 474
8006-64-2 Turpentine Oil stabilized with 100 ppm of DL-α-Tocopherol (BP, Ph. Eur.) CODEX ... 474
8006-64-2 Turpentine Oil stabilized with 100 ppm of DL-α-Tocopherol QP ... 475
8007-43-0 Sorbitan Sesquioleate (USP, BP, Ph. Eur.) PRS-CODEX ... 419
8007-43-0 Sorbitan Sesquioleate PS ... 419
8007-47-4 Canada Balsam DC ... 113
8009-03-8 Vaseline Soft QP ... 478
8012-95-1 Vaseline Oil (IR) PAI ... 477
8012-95-1 Vaseline Oil (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 478
8012-95-1 Vaseline Oil (F.C.C.) ADITIO ... 478
8012-95-1 Light liquid Paraffin (USP, BP, Ph. Eur.) PRS-CODEX ... 255
8017-16-1 Polyphosphoric Acid PS ... 333
8050-09-7 Colophony (BP, Ph. Eur.) PRS-CODEX ... 132
8052-41-3 White Spirit PA ... 480
8052-41-3 White Spirit PS ... 480
9000-01-5 Arabic Gum powder PRS ... 62
9000-01-5 Arabic Gum powder (E-414, F.C.C.) ADITIO ... 63
9000-70-8 Gelatine 80-100 Blooms (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 202
9000-70-8 Gelatine 80-100 Blooms ADITIO ... 202
9000-70-8 Gelatine, Bacteriological (Ingredient) CULTIMED ... 202, 496
9000-70-8 Gelatine Gold DC ... 202
9001-75-6 Pepsin 1:10.000 NF RE ... 314
9001-75-6 Pepsin 1:10.000 NF Plus RE ... 314
9001-75-6 Liquid Pepsin RE ... 314
9002-18-0 Agar (USP) PRS-CODEX ... 33
9002-18-0 Agar (E-406, F.C.C.) ADITIO ... 33,496
9002-18-0 Agar, Bacteriological American Type (Ingredient) CULTIMED ... 33,496
9002-18-0 Agar, Bacteriological European Type (Ingredient) CULTIMED ... 33,496
9002-18-0 Agar, Purified (Ingredient) CULTIMED ... 33,496
9002-18-0 Agar, Technical (Ingredient) CULTIMED ... 33,506
9002-92-0 Brij® 35 QP ... 82
9002-92-0 Brij® 35 aqueous solution 30% w/v DC ... 82
9002-93-1 Triton® X 100 PRS ... 473
9002-93-1 Triton ® X 405 solution 70% PRS ... 473
9004-32-4 Carboxymethylcellulose Sodium Salt low viscosity (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 116
9004-32-4 Carboxymethylcellulose Sodium Salt low viscosity (E-466, F.C.C.) ADITIO ... 116
9004-32-4 Carboxymethylcellulose Sodium Salt medium viscosity (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 117
9004-32-4 Carboxymethylcellulose Sodium Salt medium viscosity (E-466, F.C.C.) ADITIO ... 117
9004-32-4 Carboxymethylcellulose Sodium Salt high viscosity (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 117
9004-32-4 Carboxymethylcellulose Sodium Salt high viscosity (E-466, F.C.C.) ADITIO ... 117
9004-53-9 Dextrin Yellow PS ... 147
9005-38-3 Sodium Alginate PB ... 381
9005-64-5 Polysorbate 20 (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 333
9005-64-5 Polysorbate 20 (E-432) ADITIO ... 333
9005-64-5 Tween® 20 (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 475
9005-64-5 Tween® 20 (E-432) ADITIO ... 475
9005-64-5 Tween® 20 PS ... 475
9005-65-6 Polysorbate 80 (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 334
9005-65-6 Polysorbate 80 (E-433) ADITIO ... 334
9005-65-6 Polysorbate 80 PS ... 334
9005-65-6 Tween ® 80 (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 475
9005-65-6 Tween® 80 (E-433) ADITIO ... 475
9005-65-6 Tween® 80 PS ... 475
9005-66-7 Polysorbate 40 (USP, BP, Ph. Eur.) PRS-CODEX ... 333
9005-66-7 Polysorbate 40 (E-434) ADITIO ... 333
9005-66-7 Polysorbate 40 PS ... 333
9005-67-8 Polysorbate 60 (USP, BP, Ph. Eur.) PRS-CODEX ... 333
9005-67-8 Polysorbate 60 (E-435) ADITIO ... 333
9005-67-8 Polysorbate 60 PS ... 333
9005-70-3 Polysorbate 85 PS ... 334
9005-71-4 Polysorbate 65 (E-436) ADITIO ... 334
9005-71-4 Polysorbate 65 PS ... 334
9005-84-9 Starch from Potato soluble (Reag. USP, Ph. Eur.) PA ... 437
9005-84-9 Starch solution 1% RV ... 437
9005-84-9 Starch solution 1% VINIKIT ... 437
9005-84-9 Starch solution 2% VINIKIT ... 437
9012-36-6 Agarose Type I standard PB ... 34
9012-36-6 Agarose Type II EEO (-Mr): 0,09-0,13 PB ... 34
9012-36-6 Agarose Type III EEO (-Mr): 0,16-0,19 PB ... 34
9012-36-6 Agarose Type IV EEO (-Mr): 0,23-0,26 PB ... 34
9012-36-6 Agarose Type V EEO (-Mr): ≥0,3 PB ... 34
9012-36-6 Agarose Type VI low melting point of gel PB ... 34
9012-36-6 Agarose Type VII low melting point of gel PB ... 34
9012-36-6 Agarose Type VIII very low melting point of gel PB ... 34
9012-36-6 Agarose Type IX extra low melting point of gel PB ... 35
9012-36-6 Agarose Type BM V PB ... 35
9012-36-6 Agarose Type SD 4 PB ... 35
9012-36-6 Agarose Type SD 8 PB ... 35
9012-36-6 Agarose Type SD 12 PB ... 35
9080-17-5 Ammonium Polysulphide solution 25% w/w PRS ... 57
10022-31-8 Barium Nitrate PA-ACS ... 69
10022-31-8 Barium Nitrate PRS ... 69
10022-68-1 Cadmium Nitrate 4-hydrate PA ... 104
10022-68-1 Cadmium Nitrate 4-hydrate PRS ... 104
10025-69-1 Tin(II) Chloride 2-hydrate (max. 0,000005% Hg) PA-ACS ... 456
10025-69-1 Tin(II) Chloride 2-hydrate (Reag. Ph. Eur.) PA-ACS ... 456
10025-69-1 Tin(II) Chloride 2-hydrate PRS ... 456
10025-69-1 Tin(II) Chloride 2-hydrate (BP, Ph. Eur.) CODEX ... 456
10025-69-1 Tin(II) Chloride 2-hydrate (E-512, F.C.C.) ADITIO ... 456
10025-70-4 Strontium Chloride 6-hydrate PRS ... 438
10025-77-1 Iron(III) Chloride 6-hydrate PRS ... 240
10025-84-0 Lanthanum(III) Chloride 7-hydrate PA-ACS ... 251
10025-84-0 Lanthanum(III) Chloride 7-hydrate PA ... 251
10025-87-3 Phosphoryl Chloride, 99% PS ... 329
10025-91-9 Antimony(III) Chloride, 98% PS ... 61
10026-22-9 Cobalt(II) Nitrate 6-hydrate (Reag. Ph. Eur.) PA-ACS ... 131
10026-22-9 Cobalt(II) Nitrate 6-hydrate PRS ... 131
10026-24-1 Cobalt(II) Sulphate 7-hydrate PA ... 132
10026-24-1 Cobalt(II) Sulphate 7-hydrate PRS ... 132
10028-21-4 Iron(II) Sulphate ~2-hydrate PA ... 241
10028-22-5 Iron(III) Sulphate x-hydrate ~75% PA ... 241
10028-22-5 Iron(III) Sulphate x-hydrate ~75% PRS ... 241
10028-24-7 di-Sodium Hydrogen Phosphate 2-hydrate PA ... 396
10028-24-7 di-Sodium Hydrogen Phosphate 2-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX ... 396
10028-24-7 di-Sodium Hydrogen Phosphate 2-hydrate (E-339ii, F.C.C.) ADITIO ... 396
10030-85-0 L(+)-Rhamnose 1-hydrate PB ... 371
10031-43-3 Copper(II) Nitrate 3-hydrate (Reag. Ph. Eur.) PA-ACS ... 135
10031-43-3 Copper(II) Nitrate 3-hydrate PRS ... 135
10034-82-9 Sodium Chromate 4-hydrate PRS ... 388
10034-85-2 Hydriodic Acid 57% PA-ACS ... 220
10034-85-2 Hydriodic Acid 57% PRS ... 221
10034-88-5 Sodium Hydrogen Sulphate 1-hydrate PRS ... 398
10034-93-2 Hydrazinium Sulphate PA-ACS ... 220
10034-96-5 Manganese(II) Sulphate 1-hydrate (Reag. Ph. Eur.) PA-ACS ... 268
10034-96-5 Manganese(II) Sulphate 1-hydrate (USP, BP, Ph. Eur.) PRS-CODEX ... 269
10034-96-5 Manganese(II) Sulphate 1-hydrate (F.C.C.) ADITIO ... 269
10034-99-8 Magnesium Sulphate 7-hydrate PA-ACS ... 264
10034-99-8 Magnesium Sulphate 7-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 264
10034-99-8 Magnesium Sulphate 7-hydrate (F.C.C.) ADITIO ... 264
10035-04-8 Calcium Chloride 2-hydrate flakes (E-509, F.C.C.) ADITIO ... 107
10035-04-8 Calcium Chloride 2-hydrate powder PA-ACS ... 107
10035-04-8 Calcium Chloride 2-hydrate powder PRS ... 107
10035-04-8 Calcium Chloride 2-hydrate powder (RFE, USP, BP, Ph. Eur.) CODEX ... 108
10035-04-8 Calcium Chloride 2-hydrate powder (E-509, F.C.C.) ADITIO ... 108
10035-04-8 Calcium Chloride solution 45% w/w (as $CaCl_2.2H_2O$) (E-509, F.C.C.) ADITIO ... 108
10035-06-0 Bismuth(III) Nitrate 5-hydrate PA-ACS ... 79
10035-06-0 Bismuth(III) Nitrate 5-hydrate PRS ... 79
10035-10-6 Hydrobromic Acid 48% PA-ACS-ISO ... 221
10035-10-6 Hydrobromic Acid 48% PRS ... 221
10039-26-6 Lactose 1-hydrate (Reag. USP) PA-ACS ... 250
10039-26-6 Lactose 1-hydrate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 251
10039-26-6 Lactose 1-hydrate (F.C.C.) ADITIO ... 251
10039-32-4 di-Sodium Hydrogen Phosphate 12-hydrate PA-ISO ... 397
10039-32-4 di-Sodium Hydrogen Phosphate 12-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 397

10039-32-4 di-Sodium Hydrogen Phosphate 12-hydrate (E-339ii) ADITIO ... 397
10039-54-0 Hydroxylammonium Sulphate PA ... 233
10039-54-0 Hydroxylammonium Sulphate, 99% PS ... 233
10039-56-2 Sodium Phosphinate 1-hydrate (DAC) PRS-CODEX ... 411
10042-76-9 Strontium Nitrate PA-ACS ... 438
10042-76-9 Strontium Nitrate PRS ... 439
10043-35-3 Boric Acid PA-ACS-ISO ... 81
10043-35-3 Boric Acid (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 81
10043-35-3 Boric Acid solution 3% RV ... 81
10043-35-3 Boric Acid solution 4% RV ... 81
10043-35-3 Boric Acid in tablets PA ... 81
10043-35-3 Boron standard solution B=1,000±0,002 g/l ICP ... 425
10043-52-4 Calcium Chloride anhydrous QP ... 107
10043-67-1 Aluminium Potassium Sulphate dry, powder QP ... 40
10045-86-0 Iron(III) Phosphate x-hydrate (F.C.C.) ADITIO ... 241
10045-94-0 Mercury(II) Nitrate 0,005 mol/l (0,01N) DC ... 273
10045-94-0 Mercury(II) Nitrate 0,005 mol/l (0,01N) SV ... 273
10045-94-0 Mercury(II) Nitrate 0,01 mol/l (0,02N) SV ... 273
10045-94-0 Mercury(II) Nitrate 0,05 mol/l (0,1N) SV ... 273
10048-95-0 di-Sodium Hydrogen Arsenate 7-hydrate (Reag. Ph. Eur.) PA-ACS ... 394
10048-95-0 di-Sodium Hydrogen Arsenate 7-hydrate PRS ... 394
10049-21-5 Sodium di-Hydrogen Phosphate 1-hydrate (Reag. Ph. Eur.) PA-ACS ... 397
10049-21-5 Sodium di-Hydrogen Phosphate 1-hydrate (USP, BP) PRS-CODEX ... 397
10049-21-5 Sodium di-Hydrogen Phosphate 1-hydrate (E-339i, F.C.C.) ADITIO ... 398
10060-12-5 Chromium(III) Chloride 6-hydrate PRS ... 127
10060-13-6 Ammonium Copper(II) Chloride 2-hydrate PRS ... 50
10075-50-0 5-Bromoindole, 99% PS ... 88
10099-74-8 Lead(II) Nitrate (Reag. Ph. Eur.) PA-ACS ... 254
10099-74-8 Lead(II) Nitrate PRS ... 254
10101-41-4 Calcium Sulphate 2-hydrate PA-ACS ... 112
10101-41-4 Calcium Sulphate 2-hydrate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 112
10101-41-4 Calcium Sulphate 2-hydrate (E-516, F.C.C.) ADITIO ... 112
10101-89-0 tri-Sodium Phosphate 12-hydrate (Reag. Ph. Eur.) PA-ACS ... 410
10101-89-0 tri-Sodium Phosphate 12-hydrate PRS ... 410
10101-89-0 tri-Sodium Phosphate 12-hydrate (E-339iii, F.C.C.) ADITIO ... 411
10101-97-0 Nickel(II) Sulphate 6-hydrate PA-ACS ... 296
10101-97-0 Nickel(II) Sulphate 6-hydrate PRS ... 296
10102-17-7 Sodium Thiosulphate 5-hydrate PA-ACS ... 417
10102-17-7 Sodium Thiosulphate 5-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 417
10102-17-7 Sodium Thiosulphate 5-hydrate (F.C.C.) ADITIO ... 417
10102-17-7 Sodium Thiosulphate 0,1 mol (24,818g $Na_2S_2O_3.5H_2O$) to prepare 1l of 0,1N solution SVc ... 417
10102-18-8 Sodium Selenite anhydrous PRS ... 412
10102-18-8 Sodium Selenite anhydrous (BP) CODEX ... 413
10102-25-7 Lithium Sulphate 1-hydrate (Reag. Ph. Eur.) PA-ACS ... 259
10102-25-7 Lithium Sulphate 1-hydrate PRS ... 259
10102-40-6 Sodium Molybdate 2-hydrate (Reag. Ph. Eur.) PA-ACS ... 406
10102-40-6 Sodium Molybdate 2-hydrate (BP, Ph. Eur.) PRS-CODEX ... 407
10108-64-2 Cadmium Chloride 2,5-hydrate PA-ACS ... 103
10108-64-2 Cadmium Chloride 2,5-hydrate PRS ... 103
10114-58-6 Bismarck Brown Y (C.I. 21000) DC ... 78
10125-13-0 Copper(II) Chloride 2-hydrate (Reag. USP, Ph. Eur.) PA-ACS ... 134
10125-13-0 Copper(II) Chloride 2-hydrate (USP) PRS-CODEX ... 134
10127-02-3 Acridine Orange (C.I. 46005) DC ... 31
10138-04-2 Ammonium Iron(III) Sulphate 0,1 mol/l (0,1N) SV ... 55
10191-41-0 DL-α-Tocopherol (E-307, F.C.C.) ADITIO ... 458
10196-04-0 Ammonium Sulphite 1-hydrate QP ... 58
10196-18-6 Zinc Nitrate 6-hydrate PA ... 486
10196-18-6 Zinc Nitrate 6-hydrate PRS ... 486
10213-10-2 Sodium Tungstate 2-hydrate (Reag. Ph. Eur.) PA-ACS ... 418
10213-10-2 Sodium Tungstate 2-hydrate PRS ... 418
10217-52-4 Hydrazinium Hydroxide 80% PA ... 220
10217-52-4 Hydrazinium Hydroxide 80% PS ... 220
10233-87-1 tri-Magnesium di-Phosphate 5-hydrate PRS ... 263
10233-87-1 tri-Magnesium di-Phosphate 5-hydrate (F.C.C.) ADITIO ... 263
10277-43-7 Lanthanum(III) Nitrate 6-hydrate PA ... 251
10294-26-5 Silver Sulphate PA-ACS ... 378
10294-26-5 Silver Sulphate PRS ... 378
10294-40-3 Barium Chromate (C.I. 77103) PA ... 68
10294-40-3 Barium Chromate (C.I. 77103) PRS ... 68
10294-42-5 Cerium(IV) Sulphate 4-hydrate (Reag. USP, Ph. Eur.) PA ... 119
10294-42-5 Cerium(IV) Sulphate 4-hydrate PRS ... 119
10294-42-5 Cerium(IV) Sulphate 0,05 mol/l (0,05N) SV ... 119
10294-42-5 Cerium(IV) Sulphate 0,1 mol/l (0,1N) SV ... 119
10294-66-3 Potassium Thiosulphate x-hydrate PRS ... 360
10310-21-1 2-Amino-6-Chloropurine, 99% PS ... 42
10323-20-3 D(-)-Arabinose PB ... 63
10326-27-9 Barium Chloride 2-hydrate (Reag. Ph. Eur.) PA-ACS-ISO ... 68
10326-27-9 Barium Chloride 2-hydrate PRS ... 68
10361-29-2 Ammonium Carbonate (Reag. Ph. Eur.) PA-ACS ... 48
10361-29-2 Ammonium Carbonate (USP-NF) PRS-CODEX ... 49
10361-29-2 Ammonium Carbonate (E-503i, F.C.C.) ADITIO ... 49
10361-37-2 Barium Chloride solution 10% w/v RE ... 68
10361-37-2 Barium Chloride 0,1 mol/l (0,1M) SV ... 68
10361-46-3 Bismuth(III) Hydroxide Nitrate (USP, DAB) PRS-CODEX ... 79
10378-47-9 Ammonium Cerium(IV) Sulphate 2-hydrate (Reag. USP, Ph. Eur.) PA-ACS ... 49
10378-47-9 Ammonium Cerium(IV) Sulphate 2-hydrate PRS ... 49
10416-59-8 N,O-Bis (Trimethylsilyl) Acetamide CG ... 79
10450-60-9 Periodic Acid (Reag. USP, Ph. Eur.) PA-ACS ... 317
10450-60-9 Periodic Acid PA ... 317
10450-60-9 Periodic Acid PRS ... 317
10450-60-9 Periodic Acid, 99% PS ... 317
10486-00-7 Sodium Perborate 4-hydrate (BP, Ph. Eur.) PRS-CODEX ... 409
10538-51-9 2,5-Dimethoxycinnamic Acid, 99% PS ... 162
10555-76-7 Sodium meta-Borate 4-hydrate PRS ... 382
12001-68-2 Potassium Boron Tartrate PRS ... 335
12003-78-0 Nickel-Aluminium alloy according to Raney PS ... 295
12007-60-2 di-Lithium tetra-Borate PA ... 257
12013-21-7 Magnesium Molybdate 5-hydrate PRS ... 262
12027-06-4 Ammonium Iodide PA-ACS ... 53
12027-67-7 Ammonium Molybdate 4-hydrate (Reag. Ph. Eur.) PA-ACS-ISO ... 55
12027-67-7 Ammonium Molybdate 4-hydrate (USP) PRS-CODEX ... 55
12055-62-8 Holmium(III) Oxide (Reag. Ph. Eur.) PA ... 219
12067-99-1 Phosphotungstic Acid hydrate PA ... 329
12068-85-8 Iron Sulphide natural powder PRS ... 242
12069-69-1 Copper(II) Hydroxide Carbonate PA ... 135
12069-69-1 Copper(II) Hydroxide Carbonate PRS ... 135
12124-97-9 Ammonium Bromide PA-ACS ... 48
12124-97-9 Ammonium Bromide (BP, Ph. Eur.) PRS-CODEX ... 48
12125-01-8 Ammonium Fluoride PA-ACS ... 51
12125-01-8 Ammonium Fluoride PRS ... 51
12125-02-9 Ammonium Chloride PA-ACS-ISO ... 49
12125-02-9 Ammonium Chloride (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 50
12125-02-9 Ammonium Chloride (F.C.C.) ADITIO ... 50
12135-76-1 Ammonium Sulphide solution 20% w/w PRS ... 58
12135-76-1 Ammonium Sulphide solution 10% w/v PRS ... 58
12209-98-2 Sodium Stannate 3-hydrate PRS ... 413
12230-71-6 Baryta Water saturated solution RE ... 70
12230-71-6 Barium Hydroxide 8-hydrate (Reag. Ph. Eur.) PA-ACS-ISO ... 68
12230-71-6 Barium Hydroxide 8-hydrate PRS ... 69
12232-99-4 Sodium Bismuthate (Reag. Ph. Eur.) PA ... 382
12602-23-2 Cobalt(II) Hydroxide Carbonate ~50% Co PRS ... 131
13011-54-6 Ammonium Sodium Hydrogen Phosphate 4-hydrate (Reag. USP) PA ... 57
13139-14-5 N-α-Boc-L-Tryptophan, 98% PS ... 81
13139-15-6 N-Boc-L-Leucine 1-hydrate, 98% PS ... 80
13139-16-7 N-Boc-L-Isoleucine 1/2-hydrate, 98% PS ... 80
13139-17-8 N-(Benzyloxycarbonyloxy) Succinimide, 98% PS ... 77
13154-24-0 Chlorotriisopropylsilane, 97% PS ... 126
13235-36-4 Ethylenediaminetetraacetic Acid Tetrasodium Salt 4-hydrate PRS ... 185
13446-18-9 Magnesium Nitrate 6-hydrate (Reag. Ph. Eur.) PA-ACS ... 263
13446-18-9 Magnesium Nitrate 6-hydrate PRS ... 263
13446-34-9 Manganese(II) Chloride 4-hydrate PA-ACS ... 267
13446-34-9 Manganese(II) Chloride 4-hydrate PRS ... 267
13446-34-9 Manganese(II) Chloride 4-hydrate (USP) CODEX ... 267
13446-34-9 Manganese(II) Chloride 4-hydrate (F.C.C.) ADITIO ... 268
13446-53-2 Magnesium Bromide 6-hydrate PA ... 261
13453-69-5 Lithium meta-Borate anhydrous PA ... 257
13453-78-6 Lithium Perchlorate 3-hydrate PA ... 259
13454-96-1 Platinum(IV) Chloride anhydrous, 98% PS ... 331
13455-24-8 Potassium Hydrogen Diiodate EQP-ACS ... 345
13455-24-8 Potassium Hydrogen Diiodate PRS ... 345
13463-67-7 Titanium(IV) Oxide (RFE, USP, BP, DAB, Ph. Eur.) PRS-CODEX ... 457
13463-67-7 Titanium(IV) Oxide (E-171, F.C.C.) ADITIO ... 457
13463-67-7 Titanium(IV) Oxide QP ... 458
13464-82-9 Indium(III) Sulphate anhydrous PRS ... 236
13464-92-1 Cadmium Bromide 4-hydrate PRS ... 103
13465-95-7 Barium Perchlorate anhydrous PRS ... 69
13465-95-7 Barium Perchlorate 0,005 mol/l (0,005M) aqueous-alcoholic solution SV ... 69
13472-35-0 Sodium di-Hydrogen Phosphate 2-hydrate PA ... 398
13472-35-0 Sodium di-Hydrogen Phosphate 2-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 398
13472-35-0 Sodium di-Hydrogen Phosphate 2-hydrate (E-339i, F.C.C.) ADITIO ... 398
13472-36-1 tetra-Sodium Pyrophosphate 10-hydrate PA ... 412
13472-36-1 tetra-Sodium Pyrophosphate 10-hydrate PRS ... 412
13472-36-1 tetra-Sodium Pyrophosphate 10-hydrate (E-450iii, F.C.C.) ADITIO ... 412
13477-34-4 Calcium Nitrate 4-hydrate PB ... 110
13477-34-4 Calcium Nitrate 4-hydrate PA-ACS ... 111
13477-34-4 Calcium Nitrate 4-hydrate PRS ... 111
13478-00-7 Nickel(II) Nitrate 6-hydrate PA ... 296
13478-00-7 Nickel(II) Nitrate 6-hydrate PRS ... 296
13478-10-9 Iron(II) Chloride 4-hydrate PRS ... 239
13517-06-1 Sodium Iodide 2-hydrate PA ... 405
13517-06-1 Sodium Iodide 2-hydrate PRS ... 405
13573-16-5 Reinecke Salt (Reag. USP, Ph. Eur.) PA-ACS ... 370
13598-36-2 Phosphorous Acid PRS ... 328
13598-65-7 Rhenium standard solution Re=1,000±0,002 g/l ICP ... 430
13598-65-7 Rhenium standard solution Re=10,00±0,02 g/l ICP ... 430
13600-98-1 Sodium Hexanitrocobaltate(III) PA-ACS ... 393
13726-67-5 N-Boc-L-Aspartic Acid, 98% PS ... 80
13734-34-4 N-Boc-L-Phenylalanine, 98% PS ... 80
13734-41-3 N-Boc-L-Valine, 98% PS ... 81
13746-66-2 Potassium Hexacyanoferrate(III) (Reag. Ph. Eur.) PA-ACS ... 344
13746-66-2 Potassium Hexacyanoferrate(III) PRS ... 344
13746-66-2 Potassium Hexacyanoferrate(III) 0,1 mol/l (0,1N) SV ... 344
13755-38-9 Sodium Pentacyanonitrosoferrate(III) 2-hydrate (Reag. Ph. Eur.) PA-ACS ... 408
13755-38-9 Sodium Pentacyanonitrosoferrate(III) 2-hydrate PA ... 408
13775-80-9 Hydrazinium mono-Bromide, 99% PS ... 219
13811-71-7 Diethyl D(-)-Tartrate, 99% PS ... 159
13940-38-0 Sodium para-Periodate PA ... 409
14199-15-6 Methyl 4-Hydroxyphenylacetate, 98% PS ... 284
14221-47-7 Ammonium Iron(III) Oxalate 3-hydrate PRS ... 54
14459-95-1 Potassium Hexacyanoferrate(II) 3-hydrate (Reag. Ph. Eur.) PA-ACS-ISO ... 344
14459-95-1 Potassium Hexacyanoferrate(II) 3-hydrate PRS ... 344
14459-95-1 Potassium Hexacyanoferrate(II) 3-hydrate (E-536) ADITIO ... 344
14459-95-1 Potassium Hexacyanoferrate(II) solution 10% w/v RE ... 344
14459-95-1 Potassium Hexacyanoferrate(II) solution 10% w/v VINIKIT ... 344
14634-91-4 Ferroin solution 0,025 mol/l (0,025M) RV ... 190
14807-96-6 Talc washed (RFE, BP, Ph. Eur.) PRS-CODEX ... 447
14807-96-6 Talc washed (E-553b, F.C.C.) ADITIO ... 447
14808-60-7 Sea Sand washed, thin grain QP ... 374
14808-60-7 Sea Sand washed, thick grain QP ... 374
14866-33-2 Tetraoctylammonium Bromide, 98% PS ... 453
15191-80-7 Copper(II) Pyrophosphate x-hydrate QP ... 136
15244-38-9 Chromium(III) Sulphate x-hydrate PRS ... 128
15656-28-7 Bis (Pyridine) Iodonium Tetrafluoroborate PS ... 79
15708-48-2 Ethylenediaminetetraacetic Acid Dipotassium Magnesium Salt 2-hydrate PRS ... 184
15761-38-3 N-Boc-L-Alanine, 98% PS ... 80
15761-39-4 N-Boc-L-Proline, 98% PS ... 80
16029-98-4 Iodotrimethylsilane, 98% PS ... 239
16045-88-8 Boron Trifluoride 14% in methanol PS ... 82
16052-06-5 3-[4(2-Hydroxyethyl)-1-Piperazinyl] Propanesulphonic Acid PB ... 232
16091-26-2 3'-Aminobenzanilide, 99% PS ... 41
16423-68-0 Erythrosin B (C.I. 45430) DC ... 175
16574-43-9 Bromopyrogallol Red PA ... 90
16593-81-0 4-(2-Pyridylazo) Resorcinol mono-Sodium Salt 1-hydrate (Reag. Ph. Eur.) PA-ACS ... 368
16674-78-5 Magnesium Acetate 4-hydrate (Reag. Ph. Eur.) PA-ACS ... 260
16674-78-5 Magnesium Acetate 4-hydrate PRS ... 260
16674-78-5 Magnesium Acetate 4-hydrate (BP, Ph. Eur.) CODEX ... 261
16731-55-8 Potassium Disulphite PA ... 343
16731-55-8 Potassium Disulphite (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 343
16731-55-8 Potassium Disulphite (E-224, F.C.C.) ADITIO ... 343
16774-21-3 Ammonium Cerium(IV) Nitrate (Reag. Ph. Eur.) PA-ACS ... 49
16788-57-1 di-Potassium Hydrogen Phosphate 3-hydrate PA ... 346
16788-57-1 di-Potassium Hydrogen Phosphate 3-hydrate PRS ... 346
16788-57-1 di-Potassium Hydrogen Phosphate 3-hydrate (E-340ii) ADITIO ... 346
16853-85-3 Lithium Aluminium Hydride, 95% in Argon atmosphere PS ... 256
16853-85-3 Lithium Aluminium Hydride, 95% tablets in Argon atmosphere PS ... 256
16872-11-0 Tetrafluoroboric Acid 35% PA ... 451
16893-85-9 Sodium Hexafluorosilicate QP ... 393
16921-30-5 Potassium Hexachloroplatinate(IV) (Reag. USP) PA ... 344
16940-66-2 Sodium Borohydride (Reag. USP) PA ... 383
16940-66-2 Sodium Borohydride, 96% PS ... 383
16961-25-4 Tetrachloroauric Acid(III) 3-hydrate PA-ACS ... 450
17084-13-8 Potassium Hexafluorophosphate QP ... 344
17194-82-0 4-Hydroxyphenylacetamide, 99% PS ... 233
17287-03-5 Trimethylsulphonium Hydroxide 0,2 mol/l in methanol CG ... 471
17372-87-1 Eosin Yellowish (C.I. 45380) PA-ACS ... 175
17372-87-1 Eosin Yellowish (C.I. 45380) DC ... 175
17375-41-6 Iron(II) Sulphate ~1-hydrate QP ... 241
17455-13-9 Crown Ether/18-Crown-6, 98% PS ... 138
1759-53-10 Cyclopropanecarboxylic Acid, 98% PS ... 143
17629-30-0 D(+)-Raffinose 5-hydrate PB ... 370
17687-37-5 Urea Nitrate moistened with ~20% of H_2O PRS ... 476
17791-52-5 N-α-Boc-L-Histidine, 98% PS ... 80
17849-38-6 2-Chlorobenzyl Alcohol, 99% PS ... 123
18016-24-5 Calcium D-Gluconate 1-hydrate (E-578, F.C.C.) ADITIO ... 109
18156-74-6 N-(Trimethylsilyl) Imidazole CG ... 471
18156-74-6 N-(Trimethylsilyl) Imidazole, 98% PS ... 471
18162-48-6 tert-Butyldimethylchlorosilane, 98% PS ... 100
18282-10-5 Tin(IV) Oxide PRS ... 456
18282-59-2 4-Bromo-1,2-Dichlorobenzene, 98% PS ... 87
18472-87-2 Phloxine B (C.I. 45410) DC ... 327
18497-13-7 Hexachloroplatinic(IV) Acid 6-hydrate (Reag. Ph. Eur.) PA-ACS ... 212
18497-13-7 Hexachloroplatinic(IV) Acid 6-hydrate solution 10% (3,8% Pt) PA ... 213
18996-35-5 Sodium di-Hydrogen Citrate PA ... 395
18996-35-5 Sodium di-Hydrogen Citrate PRS ... 395
19381-50-1 Naphthol Green B (C.I. 10020) PA-ACS ... 294
19641-63-5 (R)-2-Aminosuberic Acid ... 492
20439-47-8 (1R,2R)-Diaminocyclohexane, ≤0,1% cis, ee ≥ 99,8% ... 492
20439-47-8 (1R,2R)-Diaminocyclohexane, ≤0,5% cis, ee ≥ 99% ... 493
20439-47-8 (1R,2R)-Diaminocyclohexane, ≤2% cis, ee ≥ 96% ... 493
20624-25-3 Sodium Diethyldithiocarbamate 3-hydrate (Reag. Ph. Eur.) PA-ACS ... 390
20667-12-3 Silver(I) Oxide PRS ... 378
20694-39-7 Manganese(II) Nitrate 4-hydrate PA ... 268
20694-39-7 Manganese(II) Nitrate 4-hydrate PRS ... 268
20816-12-0 Osmium(VIII) Oxide PA-ACS ... 307
20816-12-0 Osmium(VIII) Oxide solution 4% DC ... 307
21368-68-3 DL-Camphor natural (BP, Ph. Eur.) PRS-CODEX ... 113
21368-68-3 DL-Camphor synthetic (USP) PRS-CODEX ... 113
21368-68-3 DL-Camphor, 95% synthetic PS ... 113
21436-03-3 (1S,2S)-Diaminocyclohexane, ≤0,1% cis, ee ≥ 99,8% ... 493
21436-03-3 (1S,2S)-Diaminocyclohexane, ≤0,5% cis, ee ≥ 99% ... 493
21436-03-3 (1S,2S)-Diaminocyclohexane, ≤2% cis, ee ≥ 96% ... 493
21645-51-2 Aluminium Hydroxide PRS ... 39
21908-53-2 Mercury(II) Oxide yellow (Reag. Ph. Eur.) PA-ACS ... 273
21908-53-2 Mercury(II) Oxide yellow PRS ... 273
21908-53-2 Mercury(II) Oxide red PRS ... 273
22767-49-3 1-Pentane Sulphonic Acid Sodium Salt (HPLC) PAI ... 313
22767-50-6 1-Heptane Sulphonic Acid Sodium Salt (HPLC) PAI ... 212
22838-58-0 N-Boc-D-Valine, 98% PS ... 81
23616-79-7 Benzyltributylammonium Chloride, 99% PS ... 77

23647-14-5 SPADNS PA ... 420
23647-14-5 SPADNS PS ... 421
24057-28-1 Pyridinium 4-Toluenesulphonate, 99% PS ... 368
24324-17-2 9-Fluorenylmethanol, 99% PS ... 191
24424-99-5 Di-tert-Butyl Dicarbonate, 98% PS ... 148
24589-78-4 N-Methyl-N-(Trimethylsilyl) Trifluoroacetamide CG ... 289
24589-78-4 N-Methyl-N-(Trimethylsilyl) Trifluoroacetamide, 95% PS ... 289
24596-19-8 4-Bromo-2,6-Dimethylaniline, 98% PS ... 87
24634-61-5 Potassium Sorbate PA ... 358
24634-61-5 Potassium Sorbate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 358
24634-61-5 Potassium Sorbate (E-202, F.C.C.) ADITIO ... 358
24964-64-5 3-Cyanobenzaldehyde, 98% PS ... 139
25102-12-9 Ethylenediaminetetraacetic Acid Dipotassium Salt 2-hydrate PRS ... 184
25322-68-3 Polyethylene Glycol 200 PS ... 331
25322-68-3 Polyethylene Glycol 300 PS ... 331
25322-68-3 Polyethylene Glycol 400 (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 332
25322-68-3 Polyethylene Glycol 400 PS ... 332
25322-68-3 Polyethylene Glycol 600 PS ... 332
25322-68-3 Polyethylene Glycol 1500 PS ... 332
25322-68-3 Polyethylene Glycol 4000 flakes (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 332
25322-68-3 Polyethylene Glycol 4000 flakes PS ... 332
25322-68-3 Polyethylene Glycol 6000 flakes PS ... 332
25322-68-3 Polyethylene Glycol 6000 powder PS ... 332
25561-30-2 N,O-Bis (Trimethylsilyl) Trifluoroacetamide CG ... 79
25620-78-4 Pararosaniline base (C.I. 42500) DC ... 311
26266-57-9 Sorbitan Monopalmitate (USP, BP, Ph. Eur.) PRS-CODEX ... 419
26266-57-9 Sorbitan Monopalmitate PS ... 419
26266-58-0 Sorbitan Trioleate (USP, BP, Ph. Eur.) PRS-CODEX ... 420
26266-58-0 Sorbitan Trioleate PS ... 420
26412-87-3 Sulphur Trioxide-Pyridine (Complex) PS ... 441
26628-22-8 Sodium Azide (Reag. USP, Ph. Eur.) PA ... 381
26628-22-8 Sodium Azide, 99% PS ... 381
26658-19-5 Sorbitan Tristearate PS ... 420
27176-10-9 tri-Potassium Phosphate 1,5-hydrate PRS ... 357
27176-10-9 tri-Potassium Phosphate 1,5-hydrate (E-340iii, F.C.C.) ADITIO ... 357
28048-33-1 3-(2-Pyridyl)-5,6-Diphenyl-1,2,4-Triazine-4', 4"-Disulphonic Acid Disodium Salt PA ... 368
28300-74-5 Potassium Antimony(III) Tartrate 3-hydrate PA-ACS ... 335
28300-74-5 Potassium Antimony(III) Tartrate 3-hydrate PRS ... 335
28631-66-5 Aniline Blue WS (C.I. 42755) DC ... 60
29022-11-5 N-Fmoc-Glycine, 98% PS ... 195
29915-38-6 N-[Tris (Hydroxymethyl) Methyl] 3-Aminopropanesulphonic Acid PB ... 473
30525-89-4 Paraformaldehyde (DAC) PRS-CODEX ... 310
30525-89-4 Paraformaldehyde, 95% PS ... 310
30525-89-4 Paraformaldehyde tablets ~1g QP ... 310
32085-88-4 3,5-Difluorobenzaldehyde, 98% PS ... 159
32175-00-1 trans-4-Methylcyclohexyl Isocyanate, 98% PS ... 283
32266-60-7 Azomethine H (Reag. Ph. Eur.) PA ... 66
32315-10-9 Triphosgene, 98% PS ... 471
32503-27-8 Tetrabutylammonium Hydrogen Sulphate (HPLC) PAI ... 450
32503-27-8 Tetrabutylammonium Hydrogen Sulphate, 98% PS ... 450
32862-97-8 3-Bromocinnamic Acid, 98% PS ... 86
33100-27-5 Crown Ether/15-Crown-5, 98% PS ... 138
33483-65-7 trans-4-Methylcyclohexylammonium Chloride, 98% PS ... 282
33685-54-0 1,1,2,2-Tetrachloroethane-D2 deuteration degree min. 99,5% (NMR) PAI ... 450
33725-74-5 Tetrabutylammonium Borohydride, 97% PS ... 449
33864-99-2 Alcian Blue 8 GX (C.I. 74240) DC ... 36
34036-07-2 3,4-Difluorobenzaldehyde, 98% PS ... 159
34281-92-0 (1S, 2R)-2-Phenyl-1-Cyclohexanol ... 493
34487-61-1 Phenol Red Sodium Salt PA-ACS ... 323
34962-29-3 Iron(II) Ethylenediammonium Sulphate 4-hydrate PA ... 240
35661-39-3 N-Fmoc-L-Alanine, 98% PS ... 195
35661-40-6 N-Fmoc-L-Phenylalanine, 98% PS ... 195
35661-60-0 N-Fmoc-L-Leucine, 98% PS ... 195
35737-15-6 N-α-Fmoc-L-Tryptophan, 98% PS ... 195
36653-82-4 Cetyl Alcohol (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 119
36653-82-4 Cetyl Alcohol, 97% PS ... 119
37247-10-2 Azur II (C.I. 52010+52015) DC ... 66
37267-86-0 meta-Phosphoric Acid stabilized with $NaPO_3$ (Reag. Ph. Eur.) PA-ACS ... 328
39236-46-9 Imidazolidinyl Urea, 26-28% (in N) PS ... 235
39365-87-2 Magnesium Trisilicate x-hydrate (USP) PRS-CODEX ... 265
39409-82-0 Magnesium Hydroxide Carbonate 5-hydrate (E-504ii) ADITIO ... 262
39409-82-0 Magnesium Hydroxide Carbonate 5-hydrate QP ... 262
39430-27-8 Nickel(II) Hydroxide Carbonate x-hydrate PRS ... 296
39665-12-8 L-Lysine 1-hydrate, 98% PS ... 259
41253-21-8 1,2,4-Triazole Sodium Salt, 95% PS ... 461
41931-18-4 4-Bromophenylhydrazinium Chloride, 96% PS ... 90
49763-65-7 4-Pentylbenzoyl Chloride, 98% PS ... 314
50663-21-3 4-Bromocinnamic Acid, 99% PS ... 86
50813-16-6 Sodium Polyphosphate PRS ... 411
50813-16-6 Sodium Polyphosphate (E-452i, F.C.C.) ADITIO ... 411
51429-74-4 Phosphomolybdic Acid x-hydrate PA-ACS ... 327
51811-82-6 Azur-Eosin-Methylene Blue dye according to Giemsa DC ... 66
54827-17-7 3,3',5,5'-Tetramethylbenzidine (Reag. Ph. Eur.) PA ... 453
55963-78-5 Polyanetholesulphonic Acid Sodium Salt PB ... 331
56961-77-4 3-Bromo-1,2-Dichlorobenzene, 98% PS ... 87
57414-02-5 Menadione Sodium Disulphite 3-hydrate, 95% PS ... 270
57526-28-0 2-Methylbutyryl Chloride, 99% PS ... 282
57848-46-1 4-Bromo-2-Fluorobenzaldehyde, 96% PS ... 87
58313-23-8 Ethyl 3-Iodobenzoate, 99% stabilized with copper PS ... 188
58464-45-2 Morpholinium Iodide, 99% PS ... 291
58632-95-4 Boc-ON, 98% PS ... 80
61072-56-8 4-Chloro-2-Fluorobenzaldehyde, 99% PS ... 125
61790-53-2 Celite Hyflo Super Cel ® RE ... 118
62625-22-3 Zincon PA ... 486
62625-30-3 Bromocresol Purple Sodium Salt PA ... 86
62637-91-6 3',3",5',5"-Tetrabromophenolphthalein Ethyl Ester Potassium Salt PA ... 449
62758-13-8 Resazurin PA ... 370
62758-13-8 Resazurin DC ... 371
62961-64-2 Diisopropyl D(-)-Tartrate, 98% PS ... 161
63449-41-2 Alkylbenzyldimethylammonium Chloride (USP) CODEX ... 37
63449-41-2 Alkylbenzyldimethylammonium Chloride, 98% PS ... 37
63449-41-2 Alkylbenzyldimethylammonium Chloride QP ... 37
64010-42-0 Magnesium Perchlorate hydrate (desiccant) PA-ACS ... 263
64742-49-0 Petroleum Ether 25-40°C PRS ... 318
64742-49-0 Petroleum Ether 30-40°C PRS ... 318
64742-49-0 Petroleum Ether 30-50°C PRS ... 318
64742-49-0 Petroleum Ether 30-60°C PRS ... 318
64742-49-0 Petroleum Ether 40-60°C (UV) PAI ... 318
64742-49-0 Petroleum Ether 40-60°C (PAR) PAI ... 318
64742-49-0 Petroleum Ether 40-60°C dry (max. 0,005% water) DS-ACS-ISO ... 318
64742-49-0 Petroleum Ether 40-60°C PA-ACS-ISO ... 319
64742-49-0 Petroleum Ether 40-60°C PA ... 319
64742-49-0 Petroleum Ether 40-60°C PRS ... 319
64742-49-0 Petroleum Ether 40-60°C PS ... 319
64742-49-0 Petroleum Ether 50-70°C PA ... 319
64742-49-0 Petroleum Ether 50-70°C PRS ... 320
64742-49-0 Petroleum Ether 60-80°C PA ... 320
64742-49-0 Petroleum Ether 60-80°C PRS ... 320
64742-49-0 Petroleum Ether 65-95°C PA ... 320
64742-49-0 Petroleum Ether 65-95°C PRS ... 320
64742-49-0 Petroleum Ether 100-120°C PA ... 321
64742-49-0 Petroleum Ether 190-250°C-Kerosene for analysis PA ... 321
64742-49-0 Petroleum Ether 190-250°C QP ... 321
64742-49-0 Isohexane (UV-IR-HPLC) PAI ... 244
64742-49-0 Isohexane PA ... 244
64742-49-0 Isohexane, 95% PS ... 244
65501-24-8 Ethylenediaminetetraacetic Acid Tripotassium Salt 2-hydrate PRS ... 185
65635-85-0 Z-D-N-MeLeu-OH ... 494
65997-17-3 Glass Wool washed QP ... 203
66713-87-9 (S)-Boc-2-Aminosuberic Acid ... 492
68399-77-9 2-Hydroxy-3-Morpholinopropanesulphonic Acid PB ... 233
68399-78-0 2-Hydroxy-3-[4(2-Hydroxyethyl)-1-Piperazinyl] Propanesulphonic Acid 1-hydrate PB ... 232
68399-81-5 2-Hydroxy-N-[Tris (Hydroxymethyl) Methyl] 3-Aminopropanesulphonic Acid PB ... 234
68858-20-8 N-Fmoc-L-Valine, 98% PS ... 196
69011-20-7 Cation Exchange Resin Strongly Acidic PA ... 118
69011-20-7 Ion Exchange Resin Strongly Acidic RE ... 239
71989-16-7 N-α-Fmoc-L-Asparagine, 98% PS ... 195
71989-20-3 N-α-Fmoc-L-Glutamine, 98% PS ... 195
71989-23-6 N-Fmoc-L-Isoleucine, 98% PS ... 195
71989-28-1 N-Fmoc-L-Methionine, 98% PS ... 195
71989-31-6 N-Fmoc-L-Proline, 98% PS ... 195
73463-39-5 3-(Cyclohexylamino) 2-Hydroxy-1-Propanesulphonic Acid PB ... 142
73724-45-5 N-Fmoc-L-Serine, 98% PS ... 195
73731-37-0 N-Fmoc-L-Threonine 1-hydrate, 98% PS ... 195
75006-64-3 Dimethylglyoxime di-Sodium Salt 8-hydrate PA ... 166
77771-02-9 3-Bromo-4-Fluorobenzaldehyde, 98% PS ... 87
79868-79-4 (R)- 2-Amino-1,1,2-Triphenylethanol ... 492
81029-05-2 Brilliant Cresyl Blue (C.I. 51010) DC ... 82
82911-69-1 N-(9-Fluorenylmethoxycarbonyloxy) Succinimide, 98% PS ... 191
84194-36-5 2-Chloro-4-Fluorobenzaldehyde, 97% PS ... 125
85531-30-2 Pyrogallol Red PA ... 369
90622-57-4 Isoparaffin G PA ... 246
90622-57-4 Isoparaffin H (Substitute of Xylene) DC ... 246
91000-69-0 N-α-Fmoc-L-Arginine, 98% PS ... 195
91053-39-3 Siliceous Earth purified and calcined (USP-NF) PRS-CODEX ... 376
91053-39-3 Siliceous Earth purified and calcined (F.C.C.) ADITIO ... 376
91053-39-3 Siliceous Earth purified and calcined QP ... 376
92112-69-1 Hexane, alkanes mixture (HPLC) PAI ... 216
92112-69-1 Hexane, alkanes mixture (PAR) PAI ... 216
92112-69-1 Hexane, alkanes mixture PA ... 216
92112-69-1 Hexane, alkanes mixture PRS ... 216
92112-69-1 Hexane, 95% alkanes mixture PS ... 217
92954-90-0 N-Fmoc-L-Tyrosine, 98% PS ... 195
93777-26-5 5-Bromo-2-Fluorobenzaldehyde, 98% PS ... 88
95061-46-4 (R)-1,1,2-Triphenyl-1,2-Ethanediol ... 494
98919-68-7 (1R, 2S)-2-Phenyl-1-Cyclohexanol ... 493
108998-83-0 (S)-1,1,2-Triphenyl-1,2-Ethanediol ... 494
112926-00-8 Silica Gel 3-6 mm with indicator (with cobalt chloride) PA-ACS ... 375
112926-00-8 Silica Gel 3-6 mm with indicator (with cobalt chloride) QP ... 375
112926-00-8 Silica Gel 2,5-6 mm with indicator (without cobalt chloride) PA-ACS ... 375
112926-00-8 Silica Gel 0,5-1,2 mm with indicator (with cobalt chloride) PA-ACS ... 375
112926-00-8 Silica Gel 0,5-1,2 mm with indicator (with cobalt chloride) QP ... 376
112926-00-8 Silica Gel 60, 63-200 microns RE ... 376
119062-05-4 N-Fmoc-L-Aspartic Acid, 98% PS ... 195
123333-53-9 1-Hydroxybenzotriazole hydrate, 98% PS ... 231
123333-66-4 Potassium Tellurite x-hydrate, 95,0% PS ... 359
125572-95-4 1,2-Diaminocyclohexane-N,N,N',N',-T etraacetic Acid 1-hydrate (Reag. Ph. Eur.) PA-ACS ... 147
129704-13-8 (S)- 2-Amino-1,1,2-Triphenylethanol ... 492
138495-42-8 1,1,1,2,3,4,4,5,5,5-Decafluoropentane, 99,5% PS ... 144
143768-86-9 (3aR*, 4R*, 7S*, 7aS*)-3a, 4, 7, 7a-Tetrahydro-2-(Trimethylsilyl)-4,7-Methano-1H-Inden-1-one ... 494
144110-43-0 5-Bromo-6-Chloro-3-Indolyl-β-D-Glucuronide Cyclohexylammonium Salt PB ... 86
145224-94-8 2-Morpholinoethanesulphonic Acid 1-hydrate PB ... 292
157556-88-2 (S)-Triphenyloxirane ... 494
183849-26-5 (R)-Triphenyloxirane ... 494
213995-12-1 (R)-2-Piperidino-1,1,2-Triphenylethanol ... 493
218457-76-2 (S)-Fmoc-2-Aminosuberic Acid ... 492
276869-41-1 Fmoc-L-2-Aminosuberic Acid, 8-tert-Butyl Ester ... 492
287929-70-8 (R) tert-Butoxycarbonylamino-(2,4,6-Trimethylphenyl)-Acetic Acid ... 492
287929-86-6 (S) tert-Butoxycarbonylamino-(2,4,6-Trimethylphenyl)-Acetic Acid ... 492
297746-05-5 (3aS, 4S, 7R, 7aR)-3a, 4, 7, 7a-Tetrahydro-2-(Trimethylsilyl)-4,7-Methano-1H-Inden-1-one ... 494
297746-10-2 (3aR, 4R, 7S, 7aS)-3a, 4, 7, 7a-Tetrahydro-2-(Trimethylsilyl)-4,7-Methano-1H-Inden-1-one ... 494
417726-36-4 (2S)-3,6-Dihydro-2H-Pyridine-1,2-Dicarboxylic Acid 1-tert-Butyl Ester ... 493

Qualities - product code

12 PA

121004 Acetamide PA ... 20
121005 Acetanilide (Reag. USP) PA ... 20
121010 Sulphuric Acid 90-91% acc. to Gerber PA ... 444
121025 5,5-Diethylbarbituric Acid PA ... 156
121027 Tetrafluoroboric Acid 35% PA ... 451
121029 Formic Acid 85% PA ... 199
121033 Phosphotungstic Acid hydrate PA ... 329
121034 L(+)-Lactic Acid PA ... 250
121038 Nitric Acid fuming (Reag. Ph. Eur.) PA ... 297
121051 Rosolic Acid (C.I. 43800) PA ... 372
121076 Hydrogen Peroxide 30% w/v (100 vol.) PA ... 230
121079 3-Methyl-1-Butanol according to Gerber PA ... 281
121080 3,3',5,5'-Tetramethylbenzidine (Reag. Ph. Eur.) PA ... 453
121085 Ethanol 96% v/v PA ... 178
121086 Ethanol absolute PA ... 177
121092 Mercury(II) Thiocyanate (Reag. USP, Ph. Eur.) PA ... 274
121093 1-Nitroso-2-Naphthol (C.I. 10005) PA ... 304
121094 Alizarin (C.I. 58000) PA ... 36
121096 Starch from Potato soluble (Reag. USP, Ph. Eur.) PA ... 437
121100 Aluminium Oxide Basic (Reag. Ph. Eur.) PA ... 39
121105 Alizarin Yellow GG (C.I. 14025) PA ... 37
121106 Alizarin Yellow R (C.I. 14030) PA ... 37
121107 Metanil Yellow (C.I. 13065) PA ... 274
121116 Ammonium Hydrogen Carbonate (Reag. Ph. Eur.) PA ... 51
121117 Ammonium Hydrogen Sulphate (Reag. USP) PA ... 53
121124 Ammonium Chromate PA ... 50
121128 Ammonia 20% (as NH_3) PA ... 47
121129 Ammonia 25% (as NH_3) (Reag. USP, Ph. Eur.) PA ... 45
121137 Ammonium Perchlorate PA ... 56
121140 Ammonium Sulphate PA ... 57
121146 di-Ammonium Tartrate PA ... 58
121151 Arsenic(III) Oxide (Reag. Ph. Eur.) PA ... 64
121153 Chromium(VI) Oxide (Reag. Ph. Eur.) PA ... 128
121157 Anilinium Chloride PA ... 60
121158 Antimony(III) Oxide PA ... 61
121170 Methylene Blue (C.I. 52015) PA ... 283
121181 Barium Carbonate PA ... 67
121187 Barium Chromate (C.I. 77103) PA ... 68
121191 Barium Sulphate PA ... 69
121203 Cadmium Acetate 2-hydrate (Reag. USP) PA ... 103
121207 Cadmium Nitrate 4-hydrate PA ... 104
121209 Cadmium Iodide PA ... 103
121211 Calcium Acetate x-hydrate PA ... 105
121212 Calcium Carbonate precipitated PA ... 107
121213 tri-Calcium di-Citrate 4-hydrate PA ... 108
121214 Calcium Chloride 6-hydrate PA ... 108
121225 Calcium Bis (di-Hydrogen Phosphate) 1-hydrate PA ... 106
121226 Calcium Hydrogen Phosphate 2-hydrate PA ... 109
121227 Calcium Hydrogen Phosphate anhydrous PA ... 109
121233 Calcium Oxalate 1-hydrate PA ... 111
121237 Charcoal Activated powder PA ... 120
121246 Indigo Carmine (C.I. 73015) PA ... 235
121248 Cerium(IV) Sulphate 4-hydrate (Reag. USP, Ph. Eur.) PA ... 119
121251 Cinchonine (Reag. USP, Ph. Eur.) PA ... 128
121252 Trichloromethane stabilized with ethanol PA ... 465
121259 Cobalt(II) Sulphate 7-hydrate PA ... 132
121262 Copper(II) Hydroxide Carbonate PA ... 135
121269 Copper(II) Oxide PA ... 135
121272 Cochineal (C.I. 75470) PA ... 132
121275 Chromium(III) Nitrate 9-hydrate PA ... 127
121289 Diethylene Glycol (Reag. USP, Ph. Eur.) PA ... 156
121291 Dimedone PA ... 161
121292 4-(Dimethylamino) Azobenzene (C.I. 11020) PA ... 163
121293 4-(Dimethylamino) Benzaldehyde PA ... 163
121294 N,N-Dimethylaniline PA ... 164
121315 Petroleum Ether 40-60°C PA ... 319
121316 Ethylene Glycol (Reag. USP, Ph. Eur.) PA ... 185
121317 Ethylene Glycol mono-Ethyl Ether (Reag. USP, Ph. Eur.) PA ... 186
121344 Hematoxylin (C.I. 75290) (Reag. USP) PA ... 210
121345 Heptane, alkanes mixture PA ... 212
121347 Hexane, alkanes mixture PA ... 216
121349 Hydrazinium Hydroxide 80% PA ... 220
121357 Iron(II) Oxalate 2-hydrate PA ... 240
121360 Iron(III) Sulphate x-hydrate ~75% PA ... 241
121371 Isatin (Reag. Ph. Eur.) PA ... 242
121372 Isoamyl Acetate PA ... 242
121373 Isobutyl Acetate (Reag. USP) PA ... 243
121374 Isopropyl Acetate PA ... 247
121407 Manganese(II) Acetate 4-hydrate PA ... 267
121428 Mercury(II) Iodide red PA ... 272
121441 Nickel(II) Acetate 4-hydrate PA ... 295
121443 Nickel(II) Chloride 6-hydrate PA ... 295
121444 Nickel(II) Nitrate 6-hydrate PA ... 296
121467 Lead(II) Hydroxideacetate PA ... 253
121470 Lead(II) Chloride PA ... 252
121471 Lead(II) Chromate PA ... 253
121476 Lead tetra-Oxide PA ... 254
121478 Lead(II) Sulphate PA ... 254
121479 Potassium Acetate PA ... 334
121480 Potassium Hydrogen Carbonate PA ... 345
121485 Potassium Hydrogen Sulphate PA ... 348
121486 Potassium Hydrogen Tartrate PA ... 348
121489 Potassium Bromide PA ... 336
121490 Potassium Carbonate PA ... 337
121492 tri-Potassium Citrate 1-hydrate PA ... 340
121497 Potassium Chromate PA ... 339
121509 Potassium di-Hydrogen Phosphate PA ... 347
121512 di-Potassium Hydrogen Phosphate anhydrous PA ... 346
121515 Potassium Hydroxide 85% pellets PA ... 349
121522 Potassium Disulphite PA ... 343
121525 Potassium Peroxodisulphate (Reag. Ph. Eur.) PA ... 356
121526 di-Potassium Oxalate 1-hydrate PA ... 355
121531 Potassium Sorbate PA ... 358
121534 Potassium Thiocyanate PA ... 359
121537 Potassium Tartrate 1/2-hydrate (Reag. Ph. Eur.) PA ... 359
121539 Potassium O-Ethyldithiocarbonate PA ... 343
121542 Potassium Iodide PA-ISO ... 352
121546 Bromocresol Purple PA ... 86
121548 m-Cresol Purple PA ... 138
121556 Acetic Acid 80% PA ... 23
121591 Resazurin PA ... 370
121593 Sodium Hydroxide solution 40% w/v PA ... 401
121594 Dimethylglyoxime di-Sodium Salt 8-hydrate PA ... 166
121603 Resorcinol PA ... 371
121604 Rhodamine B (C.I. 45170) PA ... 371
121605 Alizarin Red S (C.I. 58005) PA ... 37
121609 Chlorophenol Red PA ... 126
121611 Congo Red (C.I. 22120) PA ... 133
121613 Cresol Red PA ... 138
121619 Neutral Red (C.I. 50040) PA ... 294
121636 Sodium meta-Arsenite PA ... 381
121637 Sodium Benzoate PA ... 382
121639 Sodium Bismuthate (Reag. Ph. Eur.) PA ... 382
121646 Sodium Bromide PA ... 384
121653 Sodium di-Hydrogen Citrate PA ... 395
121654 di-Sodium Hydrogen Citrate 1 1/2-hydrate (Reag. Ph. Eur.) PA ... 395
121656 tri-Sodium Citrate 5,5-hydrate PA ... 389
121659 Sodium Chloride PA ... 387
121660 ortho-Phosphoric Acid 50% PA ... 328
121662 Neocuproin PA ... 294
121664 Sodium Chromate PA ... 388
121667 Sodium 5,5-Diethylbarbiturate (Reag. USP, Ph. Eur.) PA ... 390
121672 Sodium para-Periodate PA ... 409
121674 di-Sodium Phenyl Phosphate 2-hydrate PA ... 410
121677 Sodium di-Hydrogen Phosphate 2-hydrate PA ... 398
121705 Sodium Pentacyanonitrosoferrate(III) 2-hydrate PA ... 408
121708 Sodium Peroxide granulated PA ... 409
121710 tetra-Sodium Pyrophosphate 10-hydrate PA ... 412
121719 Sodium Tartrate 2-hydrate (Reag. Ph. Eur.) PA ... 416
121720 Sodium Tartrate anhydrous PA ... 415
121727 Ammonium Sodium Hydrogen Phosphate 4-hydrate (Reag. USP) PA ... 57
121728 Potassium Carbonate-Sodium Carbonate anhydrous PA ... 338
121737 Nitric Acid 53% PA ... 301
121738 Thymol (Reag. USP, Ph. Eur.) PA ... 455
121741 1,3-Diphenylthiourea PA ... 172
121744 o-Tolidine (Reag. USP, Ph. Eur.) PA ... 458
121747 Litmus soluble PA ... 259
121750 Triethanolamine PA ... 468
121784 Zinc Nitrate 6-hydrate PA ... 486
121788 Zinc Sulphate 1-hydrate PA ... 488
121793 Iron(II) Sulphate ~2-hydrate PA ... 241
121814 Orange II (C.I. 15510) PA ... 306
121828 Diphenylamine PA ... 171
121832 Fluorescein (C.I. 45350) PA ... 191
121859 Sodium Salicylate PA ... 412
121862 Petroleum Ether 50-70°C PA ... 319
121869 Ethylenediamine PA ... 183
121871 Sodium Hydrogen Tartrate 1-hydrate (Reag. USP) PA ... 399
121879 Sodium Thiosulphate anhydrous PA ... 416
121880 2,4-Pentanedione (Reag. USP, Ph. Eur.) PA ... 313
121892 1,2-Dichlorobenzene (Reag. USP, Ph. Eur.) PA ... 150
121925 Hydroxylammonium Sulphate PA ... 233
121937 Di-n-Butyl Phthalate (Reag. USP, Ph. Eur.) PA ... 149
121947 Silver Iodide PA ... 377
121955 o-Toluidine PA ... 460
122006 n-Pentane (Reag. USP, Ph. Eur.) PA ... 311
122018 Sodium di-Hydrogen Phosphate anhydrous PA ... 397
122021 2-Ethyl-1-Hexanol PA ... 187
122031 4-Nitrophenol PA ... 303
122032 Sodium Carbonate 1-hydrate PA ... 385
122036 Amido Black 10B (C.I. 20470) (Reag. Ph. Eur.) PA ... 41
122049 L-Tryptophan PA ... 473
122052 Sodium Succinate 6-hydrate PA ... 413
122053 Calcein PA ... 105
122054 N-Cetyl-N,N,N-Trimethylammonium Bromide PA ... 120
122058 1,3-Dinitrobenzene (Reag. USP, Ph. Eur.) PA ... 168
122062 n-Heptane PA ... 211
122065 Indole PA ... 236
122089 Bathophenanthroline PA ... 70
122090 Diacetylmonoxime PA ... 147
122099 Sodium Iodide 2-hydrate PA ... 405
122234 o-Toluidine stabilized PA ... 460
122295 Benzidine PA ... 73
122320 Periodic Acid PA ... 317
122325 2,4-Dinitrophenylhydrazine moistened with ~33% of H_2O (Reag. Ph. Eur.) PA ... 169
122328 Phenylhydrazinium Chloride PA ... 325
122329 Glycerol 87% PA ... 206
122333 di-Potassium Hydrogen Phosphate 3-hydrate PA ... 346
122338 Sodium Iodate PA ... 405
122353 4-(Phenylamino) Benzenesulphonic Acid Barium Salt PA ... 324
122354 α-Benzoinoxime PA ... 74
122360 Magnesium Fluoride PA ... 262
122361 Magneson I PA ... 265
122365 Pyrocatechol (Reag. USP, Ph. Eur.) PA ... 369
122366 Thiosemicarbazide PA ... 454
122370 Arsenazo III (Reag. USP) PA ... 64
122376 Phenylhydrazine (Reag. USP) PA ... 325
122377 Piperidine (Reag. Ph. Eur.) PA ... 331
122389 Fluorescein Sodium (C.I. 45350) PA ... 191
122397 Calcium Carbonate precipitated, low content of alkalis PA ... 106
122433 Magnesium Bromide 6-hydrate PA ... 261
122442 1-Chloro-2,4-Dinitrobenzene PA ... 124
122443 2,4-Dinitrophenol moistened with ~33% of H_2O PA ... 169
122445 2-Chlorophenol PA ... 126
122448 Sulphuric Acid 25% PA ... 445
122470 Titan Yellow (C.I. 19540) PA ... 457
122507 di-Sodium Hydrogen Phosphate 2-hydrate PA ... 396
122509 Cesium Chloride (Reag. Ph. Eur.) PA ... 119
122593 Bromochlorophenol Blue PA ... 86
122595 Hydrazinium di-Chloride (Reag. USP) PA ... 219
122619 Alizarin-3-Methylamine-N,N-Diacetic Acid (Reag. Ph. Eur.) PA ... 37
122638 Bromopyrogallol Red PA ... 90
122639 Pyrogallol Red PA ... 369
122643 Pyrocatechol Violet PA ... 369
122644 o-Cresolphthalein PA ... 138
122645 2-Aminobenzoic Acid (Anthranilic Acid) (Reag. Ph. Eur.) PA ... 41
122666 Sodium Hydroxide solution 32% w/v PA ... 401
122667 Zincon PA ... 486
122669 Lanthanum(III) Nitrate 6-hydrate PA ... 251
122701 Petroleum Ether 60-80°C PA ... 320
122702 Petroleum Ether 65-95°C PA ... 320
122703 Acetic Acid 96% PA ... 23
122705 Lanthanum(III) Oxide (Reag. Ph. Eur.) PA ... 251
122706 O-Methylhydroxylammonium Chloride PA ... 284
122712 Sodium Azide (Reag. USP, Ph. Eur.) PA ... 381
122726 Copper(II) Sulphate anhydrous (Reag. USP) PA ... 136
122753 Nitroso R Salt PA ... 304
122764 Semicarbazide Hydrochloride PA ... 375
122767 o-Xylene (Reag. USP, Ph. Eur.) PA ... 482
122768 m-Xylene (Reag. Ph. Eur.) PA ... 483
122769 p-Xylene (Reag. USP) PA ... 483
122788 Lithium Perchlorate 3-hydrate PA ... 259
122823 Sulphanilamide (Reag. Ph. Eur.) PA ... 440
122840 Benzidinium di-Chloride PA ... 73
122842 4-Bromoaniline (Reag. USP) PA ... 84
122844 3,8-Diamino-5-Methyl-6-Phenylphenanthridinium Bromide (Reag. Ph. Eur.) PA ... 147
122847 Glyoxal-Bis (2-Hydroxyanil) (Reag. Ph. Eur.) PA ... 208
122848 Lanthanum(III) Chloride 7-hydrate PA ... 251
122849 Quinaldine Red PA ... 370
122855 1-Naphthol (Reag. USP, Ph. Eur.) PA ... 293
122902 Lithium Bromide PA ... 257
122903 di-Lithium tetra-Borate PA ... 257
122967 Sodium Hypochlorite solution (7±2% w/w as active chlorine) PA ... 404
123052 di-Sodium tetra-Borate anhydrous PA ... 382
123083 Benzethonium Chloride (Reag. Ph. Eur.) PA ... 72
123101 Trichloromethane stabilized with ~50 ppm of amylene PA ... 464
123137 Oxalic Acid Bis (Cyclohexylidene hydrazide) PA ... 308
123145 N,N-Dimethylacetamide (Reag. Ph. Eur.) PA ... 162
123163 Sulphuric Acid 98% (UNE-EN 899) PA ... 444
123205 Lithium meta-Borate anhydrous PA ... 257
123224 Manganese(II) Nitrate 4-hydrate PA ... 268
123226 Hydrindantine 2-hydrate PA ... 220
123246 Potassium Dichromate in tablets of 0,1g PA ... 342
123314 Sodium Borohydride (Reag. USP) PA ... 383
123376 Disulphine Blue (C.I. 42045) PA ... 172
123405 1-Pyrrolidinedithiocarboxylic Acid Ammonium Salt PA ... 369
123410 White Spirit PA ... 480
123501 Isopentane PA ... 247
123542 Triethylamine (Reag. USP) PA ... 468
123575 Calconcarboxylic Acid (Reag. Ph. Eur.) PA ... 113
123577 1,5-Diphenylcarbazide PA ... 172
123581 Azomethine H (Reag. Ph. Eur.) PA ... 66
123582 Iron(II) Ethylenediammonium Sulphate 4-hydrate PA ... 240
123586 Potassium Hydroxide solution 40% w/w PA ... 350
123596 Orange G (C.I. 16230) PA ... 306
123605 3',3",5',5"-Tetrabromophenolphthalein Ethyl Ester Potassium Salt PA ... 449
123647 Thorin 8-hydrate PA ... 455
123654 Tris (Hydroxymethyl) Aminomethane Hydrochloride PA ... 472
123718 Ethyl Violet (C.I. 42600) PA ... 189
123851 2-Butanol (Reag. Ph. Eur.) PA ... 97
124253 Eriochromecyanine R (C.I. 43820) PA ... 175
124280 Nickel metal, balls (Reag. USP) PA ... 295
124343 1-Chlorobutane (Reag. USP) PA ... 124
124453 3-(2-Pyridyl)-5,6-Diphenyl-1,2,4-Triazine-4', 4"-Disulphonic Acid Disodium Salt PA ... 368
124462 n-Pentane 95% PA ... 312
124468 Ethylene Glycol di-Methyl Ether PA ... 187
124537 Calcon (C.I. 15705) PA ... 112
124745 Diethylentriaminepentaacetic Acid PA ... 157
124746 Curcumin (C.I. 75300) (Reag. Ph. Eur.) PA ... 139
124809 Petroleum Ether 100-120°C PA ... 321
124842 Carmine hydrosoluble (Lacquer of carminic acid with calcium and aluminium) (C.I. 75470) PA ... 117
124850 Bromine Index AMCS solution PA ... 83
124856 Mixture TBN PA ... 290
124860 Mixture TAN PA ... 290
124886 Amaranth (C.I. 16185) (Reag. USP) PA ... 41
125027 Bromocresol Purple Sodium Salt PA ... 86
125261 Isohexane PA ... 244
125273 Isoparaffin G PA ... 246
125286 Petroleum Ether 190-250°C-Kerosene for analysis PA ... 321
125396 Phenol-1,1,2,2-Tetrachloroethane 60:40 w/w PA ... 323
125397 Bromine Index AMPS solution PA ... 83
125415 Yellow Primary Solution (BP, Ph. Eur.) PA ... 484
125416 Red Primary Solution (BP, Ph. Eur.) PA ... 370
125417 Blue Primary Solution (BP, Ph. Eur.) PA ... 80
125427 Cadmium metal, thick powder (Reag. Ph. Eur.) PA ... 103
125436 Cation Exchange Resin Strongly Acidic PA ... 118
125491 Hexachloroplatinic(IV) Acid 6-hydrate solution 10% (3,8% Pt) PA ... 213
125507 Potassium Hexachloroplatinate(IV) (Reag. USP) PA ... 344
125565 Sodium Biphenyl, Reagent for organic halogens (Reag. USP) PA ... 382
125574 Phenol-1,2-Dichlorobenzene 50:50 w/w PA ... 322
125596 Boric Acid in tablets PA ... 81
125715 Amyl Alcohol according to NF V 04-210 PA ... 59
125731 Lead(II) Hydroxideacetate solution according to AOAC for sugar analysis PA ... 253
126069 Holmium(III) Oxide (Reag. Ph. Eur.) PA ... 219
126150 Micropowder Wax (Licowax C®) PA ... 290
126352 Amido Black 10B Solution for the determination of protein content in milk PA ... 41
12C071 SPADNS PA ... 420

13 PA-ACS-ISO/PA-ACS/PA-ISO

131007 Acetone (Reag. Ph. Eur.) PA-ACS-ISO ... 25
131008 Acetic Acid glacial (Reag. Ph. Eur.) PA-ACS-ISO ... 22
131013 L(+)-Ascorbic Acid PA-ACS ... 65
131014 Benzoic Acid PA-ACS ... 73
131015 Boric Acid PA-ACS-ISO ... 81
131017 Hydrobromic Acid 48% PA-ACS-ISO ... 221
131018 Citric Acid 1-hydrate PA-ACS-ISO ... 130
131020 Hydrochloric Acid 37% PA-ACS-ISO ... 223
131024 Chromotropic Acid Disodium Salt 2-hydrate (Reag. Ph. Eur.) PA-ACS ... 128
131026 Ethylenediaminetetraacetic Acid PA-ACS ... 183
131028 Hydrofluoric Acid 48% PA-ACS-ISO ... 228
131030 Formic Acid 98% PA-ACS ... 198

131031 Phosphomolybdic Acid x-hydrate PA-ACS ... 327
131032 ortho-Phosphoric Acid 85% PA-ACS-ISO ... 327
131035 Molybdic Acid (contains ammonium molybdate) PA-ACS ... 291
131037 Nitric Acid 69% PA-ACS-ISO ... 299
131041 Oxalic Acid 2-hydrate (Reag. Ph. Eur.) PA-ACS-ISO ... 307
131045 Salicylic Acid PA-ACS ... 373
131050 Pyrogallic Acid (Reag. Ph. Eur.) PA-ACS ... 369
131054 Perchloric Acid 60% PA-ACS-ISO ... 316
131056 Sulphamic Acid (Reag. USP, Ph. Eur.) PA-ACS ... 440
131057 Sulphanilic Acid (Reag. Ph. Eur.) PA-ACS ... 440
131058 Sulphuric Acid 96% PA-ISO ... 443
131064 Sulphurous Acid solution 6% PA-ACS ... 447
131065 Tannic Acid PA-ACS ... 447
131066 L(+)-Tartaric Acid PA-ACS-ISO ... 448
131067 Trichloroacetic Acid (Reag. Ph. Eur.) PA-ACS ... 461
131074 Water PA-ACS ... 480
131077 Hydrogen Peroxide 33% w/v (110 vol.) PA-ACS-ISO ... 229
131079 3-Methyl-1-Butanol (Reag. Ph. Eur.) PA-ACS ... 281
131081 Benzyl Alcohol PA-ACS ... 75
131082 1-Butanol (Reag. Ph. Eur.) PA-ACS-ISO ... 96
131085 Ethanol 96% v/v PA-ACS ... 178
131086 Ethanol absolute PA-ACS-ISO ... 176
131089 Isobutanol (Reag. Ph. Eur.) PA-ACS ... 243
131090 2-Propanol (Reag. Ph. Eur.) PA-ACS-ISO ... 364
131091 Methanol (Reag. Ph. Eur.) PA-ACS-ISO ... 277
131099 Aluminium Nitrate 9-hydrate (Reag. Ph. Eur.) PA-ACS ... 39
131101 Aluminium Sulphate 18-hydrate PA-ACS ... 40
131102 Aluminium Ammonium Sulphate 12-hydrate PA-ACS ... 38
131103 Aluminium Potassium Sulphate 12-hydrate PA-ACS ... 40
131114 Ammonium Acetate (Reag. Ph. Eur.) PA-ACS ... 47
131115 Ammonium Benzoate PA-ACS ... 48
131118 Ammonium Bromide PA-ACS ... 48
131119 Ammonium Carbonate (Reag. Ph. Eur.) PA-ACS ... 48
131120 di-Ammonium Hydrogen Citrate (Reag. Ph. Eur.) PA-ACS ... 52
131121 Ammonium Chloride PA-ACS-ISO ... 49
131125 Ammonium Dichromate moistened with 0,5 - 3,0% of H_2O PA-ACS ... 50
131126 Ammonium di-Hydrogen Phosphate (Reag. Ph. Eur.) PA-ACS ... 53
131127 di-Ammonium Hydrogen Phosphate (Reag. Ph. Eur) PA-ACS ... 52
131130 Ammonia 30% (as NH_3) PA-ACS ... 44
131134 Ammonium Molybdate 4-hydrate (Reag. Ph. Eur.) PA-ACS-ISO ... 55
131136 di-Ammonium Oxalate 1-hydrate (Reag. Ph. Eur.) PA-ACS ... 56
131138 Ammonium Peroxodisulphate (Reag. Ph. Eur.) PA-ACS ... 56
131140 Ammonium Sulphate (Reag. Ph. Eur.) PA-ACS-ISO ... 57
131143 Ammonium Thiocyanate (Reag. Ph. Eur.) PA-ACS-ISO ... 58
131147 Acetic Anhydride (Reag. Ph. Eur.) PA-ACS-ISO ... 24
131154 di-Phosphorus penta-Oxide (Reag. Ph. Eur.) PA-ACS-ISO ... 329
131155 Phthalic Anhydride PA-ACS ... 330
131156 Aniline (Reag. Ph. Eur.) PA-ACS ... 59
131159 Potassium Antimony(III) Tartrate 3-hydrate PA-ACS ... 335
131165 Bromophenol Blue PA-ACS ... 90
131167 Bromothymol Blue PA-ACS ... 90
131173 Thymol Blue PA-ACS ... 455
131180 Barium Acetate PA-ACS ... 67
131181 Barium Carbonate (Reag. Ph. Eur.) PA-ACS ... 67
131182 Barium Chloride 2-hydrate (Reag. Ph. Eur.) PA-ACS-ISO ... 68
131188 Barium Hydroxide 8-hydrate (Reag. Ph. Eur.) PA-ACS-ISO ... 68
131190 Barium Nitrate PA-ACS ... 69
131192 Benzene (Reag. Ph. Eur.) PA-ACS-ISO ... 71
131196 Bismuth(III) Nitrate 5-hydrate PA-ACS ... 79
131199 Bromine (Reag. Ph. Eur.) PA-ACS-ISO ... 83
131202 n-Butyl Acetate (Reag. USP, Ph. Eur.) PA-ACS ... 99
131205 Cadmium Chloride 2,5-hydrate PA-ACS ... 103
131208 Cadmium Sulphate 8/3-hydrate PA-ACS ... 104
131231 Calcium Nitrate 4-hydrate PA-ACS ... 111
131232 Calcium Chloride 2-hydrate powder PA-ACS ... 107
131235 Calcium Sulphate 2-hydrate PA-ACS ... 112
131244 Carbon Disulphide PA-ACS ... 114
131245 Carbon Tetrachloride (ACS VIII, Reag. Ph. Eur.) (E.U.) PA-ACS-ISO ... 115
131250 Cyclohexane (Reag. Ph. Eur.) PA-ACS-ISO ... 140
131252 Trichloromethane stabilized with ethanol (Reag. Ph. Eur.) PA-ACS-ISO ... 465
131254 Dichloromethane stabilized with amylene PA-ACS-ISO ... 153
131255 Cobalt(II) Acetate 4-hydrate (Reag. USP) PA-ACS ... 130
131257 Cobalt(II) Chloride 6-hydrate (Reag. Ph. Eur.) PA-ACS-ISO ... 131
131258 Cobalt(II) Nitrate 6-hydrate (Reag. Ph. Eur.) PA-ACS ... 131
131261 Copper(II) Acetate 1-hydrate (Reag. Ph. Eur.) PA-ACS ... 133
131264 Copper(II) Chloride 2-hydrate (Reag. USP, Ph. Eur.) PA-ACS ... 134
131265 Copper(I) Chloride PA-ACS ... 134
131267 Copper(II) Nitrate 3-hydrate (Reag. Ph. Eur.) PA-ACS ... 135
131270 Copper(II) Sulphate 5-hydrate (Reag. Ph. Eur.) PA-ACS-ISO ... 136
131284 Chromium(III) Potassium Sulphate 12-hydrate (Reag. Ph. Eur.) PA-ACS ... 128
131286 1,2-Dichloroethane (Reag. Ph. Eur.) PA-ACS ... 151
131287 Diethanolamine PA-ACS ... 155
131288 Diethylamine (Reag. USP, Ph. Eur.) PA-ACS ... 155
131293 4-(Dimethylamino) Benzaldehyde (Reag. Ph. Eur.) PA-ACS ... 163
131295 Dimethylglyoxime (Reag. Ph. Eur.) PA-ACS ... 166
131296 1,4-Dioxan stabilized with ~25 ppm of BHT (Reag. Ph. Eur.) PA-ACS-ISO ... 170
131299 Eosin Yellowish (C.I. 45380) PA-ACS ... 175
131303 Tin(II) Chloride 2-hydrate (Reag. Ph. Eur.) PA-ACS ... 456
131310 Strontium Nitrate PA-ACS ... 438
131314 Di-Isopropyl Ether stabilized with ~50 ppm of BHT PA-ACS ... 161
131315 Petroleum Ether 40-60°C PA-ACS-ISO ... 319
131318 Ethyl Acetate (Reag. Ph. Eur.) PA-ACS-ISO ... 181
131321 1,10-Phenanthroline 1-hydrate PA-ACS ... 321
131322 Phenol PA-ACS ... 321
131325 Phenolphthalein (Reag. Ph. Eur.) PA-ACS ... 322
131328 Formaldehyde 37-38% w/w stabilized with methanol PA-ACS ... 196
131334 Furfural stabilized with ~0,1% of BHT (Reag. USP, Ph. Eur.) PA-ACS ... 201
131335 Silica Gel 3-6 mm with indicator (with cobalt chloride) PA-ACS ... 375
131339 Glycerol PA-ACS-ISO ... 206
131340 Glycine (Reag. USP) PA-ACS ... 207
131341 D(+)-Glucose anhydrous PA-ACS ... 203
131346 Hexamethylenetetramine (Reag. Ph. Eur.) PA-ACS ... 213
131350 Hydrazinium Sulphate PA-ACS ... 220
131352 8-Hydroxyquinoline (Reag. Ph. Eur.) PA-ACS ... 234
131362 Iron(II) Sulphate 7-hydrate PA-ACS ... 241
131365 Ammonium Iron(III) Sulphate 12-hydrate (Reag. Ph. Eur.) PA-ACS-ISO ... 55
131368 Ammonium Iron(II) Sulphate 6-hydrate (Reag. Ph. Eur.) PA-ISO ... 54
131375 Lactose 1-hydrate (Reag. USP) PA-ACS ... 250
131391 Lithium Carbonate (Reag. Ph. Eur.) PA-ACS ... 257
131392 Lithium Chloride (Reag. USP, Ph. Eur.) PA-ACS ... 257
131393 Lithium Sulphate 1-hydrate (Reag. Ph. Eur.) PA-ACS ... 259
131394 Magnesium Acetate 4-hydrate (Reag. Ph. Eur.) PA-ACS ... 260
131396 Magnesium Chloride 6-hydrate PA-ACS-ISO ... 261
131402 Magnesium Nitrate 6-hydrate (Reag. Ph. Eur.) PA-ACS ... 263
131404 Magnesium Sulphate 7-hydrate PA-ACS ... 264
131410 Manganese(II) Chloride 4-hydrate PA-ACS ... 267
131413 Manganese(II) Sulphate 1-hydrate (Reag. Ph. Eur.) PA-ACS ... 268
131417 Mercury(II) Acetate (Reag. Ph. Eur.) PA-ACS ... 271
131418 Mercury(II) Bromide (Reag. Ph. Eur.) PA-ACS ... 271
131419 Mercury(II) Chloride PA-ACS ... 272
131421 Mercury metal tridistilled (Reag. Ph. Eur.) PA-ACS ... 271
131423 Mercury(I) Nitrate 2-hydrate (ACS IX) PA-ACS ... 272
131426 Mercury(II) Oxide yellow (Reag. Ph. Eur.) PA-ACS ... 273
131428 Mercury(II) Iodide red (Reag. Ph. Eur.) PA-ACS ... 272
131429 Butanone (Methylethylketone) (Reag. USP, Ph. Eur.) PA-ACS ... 98
131430 4-Methyl-2-Pentanone (Reag. Ph. Eur.) PA-ACS ... 286
131431 Methyl Orange (C.I. 13025) PA-ACS ... 285
131435 Morpholine (Reag. Ph. Eur.) PA-ACS ... 291
131436 Murexide (C.I. 56085) (Reag. Ph. Eur.) PA-ACS ... 292
131439 Eriochrome Black T (C.I. 14645) PA-ACS ... 175
131445 Nickel(II) Sulphate 6-hydrate PA-ACS ... 296
131447 Nitrobenzene (Reag. Ph. Eur.) PA-ACS ... 302
131457 Pyridine (Reag. Ph. Eur.) PA-ACS ... 367
131459 Silver Nitrate PA-ACS-ISO ... 377
131466 Lead(II) Acetate 3-hydrate (Reag. Ph. Eur.) PA-ACS-ISO ... 252
131467 Lead(II) Hydroxideacetate for sugar analysis according to Horne PA-ACS ... 253
131469 Lead(II) Hydroxide Carbonate PA-ACS ... 253
131473 Lead(II) Nitrate (Reag. Ph. Eur.) PA-ACS ... 254
131479 Potassium Acetate PA-ACS ... 334
131481 Potassium Hydrogen Phthalate PA-ISO ... 348
131487 Potassium Bromate (Reag. Ph. Eur.) PA-ACS-ISO ... 336
131489 Potassium Bromide PA-ACS ... 336
131490 Potassium Carbonate (Reag. Ph. Eur.) PA-ACS-ISO ... 337
131491 Potassium Cyanide (Reag. Ph. Eur.) PA-ACS-ISO ... 341
131493 Potassium Chlorate (Reag. Ph. Eur.) PA-ACS ... 338
131494 Potassium Chloride PA-ACS-ISO ... 338
131497 Potassium Chromate (max. 0,02% Na) (Reag. Ph. Eur.) PA-ACS ... 339
131500 Potassium Dichromate PA-ACS-ISO ... 341
131503 Potassium Hexacyanoferrate(III) (Reag. Ph. Eur.) PA-ACS ... 344
131505 Potassium Hexacyanoferrate(II) 3-hydrate (Reag. Ph. Eur.) PA-ACS-ISO ... 344
131509 Potassium di-Hydrogen Phosphate PA-ACS ... 347
131512 di-Potassium Hydrogen Phosphate anhydrous (Reag. Ph. Eur.) PA-ACS ... 346
131515 Potassium Hydroxide 85% pellets PA-ACS-ISO ... 349
131523 Potassium meta-Periodate (Reag. Ph. Eur.) PA-ACS ... 355
131524 Potassium Nitrate without anticaking (Reag. Ph. Eur.) PA-ISO ... 353
131526 di-Potassium Oxalate 1-hydrate PA-ACS ... 355
131527 Potassium Permanganate PA-ACS ... 356
131532 Potassium Sulphate (Reag. Ph. Eur.) PA-ACS-ISO ... 358
131534 Potassium Thiocyanate (Reag. Ph. Eur.) PA-ACS-ISO ... 359
131540 Potassium Iodate (Reag. Ph. Eur.) PA-ACS ... 352
131542 Potassium Iodide PA-ACS-ISO ... 352
131615 Phenol Red PA-ACS ... 323
131617 Methyl Red (C.I. 13020) PA-ACS ... 288
131621 Saccharose PA-ACS ... 372
131632 Sodium Acetate 3-hydrate PA-ACS-ISO ... 380
131633 Sodium Acetate anhydrous (Reag. Ph. Eur.) PA-ACS ... 379
131635 di-Sodium Hydrogen Arsenate 7-hydrate (Reag. Ph. Eur.) PA-ACS ... 394
131638 Sodium Hydrogen Carbonate PA-ACS-ISO ... 394
131644 di-Sodium tetra-Borate 10-hydrate PA-ACS-ISO ... 383
131646 Sodium Bromide (Reag. USP) PA-ACS ... 384
131647 Sodium Carbonate 10-hydrate PA-ISO ... 385
131648 Sodium Carbonate anhydrous (Reag. Ph. Eur.) PA-ACS-ISO ... 384
131652 Sodium Cyanide PA-ACS ... 389
131655 tri-Sodium Citrate 2-hydrate PA-ACS ... 388
131658 Sodium Chlorate PA-ACS ... 386
131659 Sodium Chloride PA-ACS-ISO ... 387
131663 Sodium Hexanitrocobaltate(III) PA-ACS ... 393
131666 Sodium Dichromate 2-hydrate (Reag. USP) PA-ACS ... 390
131668 Sodium Diethyldithiocarbamate 3-hydrate (Reag. Ph. Eur.) PA-ACS ... 390
131669 Ethylenediaminetetraacetic Acid Disodium Salt 2-hydrate (Reag. Ph. Eur.) PA-ACS ... 184
131675 Sodium Fluoride PA-ACS-ISO ... 392
131676 Sodium Formate (Reag. Ph. Eur.) PA-ACS ... 393
131678 di-Sodium Hydrogen Phosphate 12-hydrate PA-ISO ... 397
131679 di-Sodium Hydrogen Phosphate anhydrous (Reag. Ph. Eur.) PA-ACS ... 395
131680 tri-Sodium Phosphate 12-hydrate (Reag. Ph. Eur.) PA-ACS ... 410
131687 Sodium Hydroxide pellets PA-ACS-ISO ... 399
131698 Sodium Disulphite PA-ACS ... 391
131699 Sodium metal, sticks (Reag. Ph. Eur.) PA-ACS ... 379
131700 Sodium meta-Periodate (Reag. Ph. Eur.) PA-ACS ... 409
131701 Sodium Molybdate 2-hydrate (Reag. Ph. Eur.) PA-ACS ... 406
131702 Sodium Nitrate (Reag. Ph. Eur.) PA-ACS-ISO ... 407
131703 Sodium Nitrite (Reag. Ph. Eur.) PA-ACS ... 407
131705 Sodium Pentacyanonitrosoferrate(III) 2-hydrate (Reag. Ph. Eur.) PA-ACS ... 408
131706 di-Sodium Oxalate (Reag. USP, Ph. Eur.) PA-ACS ... 408
131708 Sodium Peroxide granulated PA-ACS ... 409
131715 Sodium Sulphate 10-hydrate (Reag. USP) PA-ACS ... 414
131716 Sodium Sulphate anhydrous (Reag. USP) PA-ACS-ISO ... 414
131717 Sodium Sulphite anhydrous PA-ACS ... 415
131718 Sodium Thiocyanate PA-ACS ... 416
131721 Sodium Thiosulphate 5-hydrate PA-ACS ... 417
131724 Sodium Tungstate 2-hydrate (Reag. Ph. Eur.) PA-ACS ... 418
131726 Sodium Iodide PA-ACS ... 405
131729 Potassium Sodium Tartrate 4-hydrate PA-ACS-ISO ... 357
131739 Thymolphthalein PA-ACS ... 455
131743 Thiourea (Reag. Ph. Eur.) PA-ACS ... 454
131745 Toluene (Reag. Ph. Eur.) PA-ACS-ISO ... 459
131749 Trichloroethylene, stabilized with ethanol (Reag. Ph. Eur.) PA-ACS ... 463
131754 Urea crystal PA-ACS ... 476
131759 Bromocresol Green PA-ACS ... 86
131762 Crystal Violet (C.I. 42555) PA-ACS ... 138
131769 Xylene, mixture of isomers (Reag. Ph. Eur.) PA-ACS-ISO ... 481
131771 Iodine resublimed pearls PA-ACS ... 236
131775 Zinc Acetate 2-hydrate (Reag. USP, Ph. Eur.) PA-ACS ... 485
131779 Zinc Chloride PA-ACS ... 486
131785 N,N-Dimethylformamide (Reag. Ph. Eur.) PA-ACS-ISO ... 165
131786 Zinc Oxide PA-ACS ... 487
131787 Zinc Sulphate 7-hydrate PA-ACS ... 488
131791 Dithizone (Reag. Ph. Eur.) PA-ACS ... 172
131798 4-Methylaminophenol Sulphate PA-ACS ... 280
131801 Silver Sulphate PA-ACS ... 378
131808 Citric Acid anhydrous PA-ACS ... 129
131810 Propionic Acid (Reag. Ph. Eur.) PA-ACS ... 365
131813 Ammonium Iodide PA-ACS ... 53
131827 Cupferron (ACS IX) PA-ACS ... 139
131828 Diphenylamine (Reag. Ph. Eur.) PA-ACS ... 171
131855 Potassium Nitrite PA-ACS ... 354
131856 Potassium Perchlorate PA-ACS ... 355
131877 1-Dodecanol (Reag. USP) PA-ACS ... 173
131881 Acetonitrile (Reag. Ph. Eur.) PA-ACS ... 28
131883 Succinic Acid (Reag. USP, Ph. Eur.) PA-ACS ... 439
131884 1-Pentanol (Reag. Ph. Eur.) PA-ACS ... 313
131885 1-Propanol (Reag. USP, Ph. Eur.) PA-ACS ... 362
131890 Cyclohexanone PA-ACS ... 141
131897 Ethylene Glycol mono-Methyl Ether PA-ACS ... 187
131903 2-Methyl-2-Propanol (Reag. Ph. Eur.) PA-ACS ... 287
131914 Hydroxylammonium Chloride (Reag. Ph. Eur.) PA-ACS-ISO ... 232
131924 Ethanolamine PA-ACS ... 180
131928 Lithium Hydroxide 1-hydrate (Reag. USP, Ph. Eur.) PA-ACS ... 258
131940 Tris (Hydroxymethyl) Aminomethane PA-ACS ... 472
131953 Chlorobenzene (Reag. USP) PA-ACS ... 122
131954 Dimethyl Sulphoxide (Reag. Ph. Eur.) PA-ACS ... 167
131956 Formamide PA-ACS ... 198
131965 Sodium di-Hydrogen Phosphate 1-hydrate (Reag. Ph. Eur.) PA-ACS ... 397
131970 Nitromethane (Reag. USP, Ph. Eur.) PA-ACS ... 303
132056 2,6-Dichlorophenol Indophenol Sodium Salt 2-hydrate (Reag. Ph. Eur.) PA-ACS ... 155
132063 n-Hexane (Reag. USP, Ph. Eur.) PA-ACS ... 214
132064 Isooctane (Reag. Ph. Eur.) PA-ACS ... 245
132067 D(-)-Mannitol PA-ACS ... 269
132071 4-(2-Pyridylazo) Resorcinol mono-Sodium Salt 1-hydrate (Reag. Ph. Eur.) PA-ACS ... 368
132096 Acetyl Chloride (Reag. USP, Ph. Eur.) PA-ACS ... 30
132166 Mercury(II) Sulphate PA-ACS ... 274
132175 Perchloric Acid 70% PA-ACS-ISO ... 316
132176 Hydrochloric Acid 32% PA-ISO ... 225
132213 Hydriodic Acid 57% PA-ACS ... 220
132228 1,5-Diphenylcarbazone (contains diphenylcarbazide) (Reag. Ph. Eur.) PA-ACS ... 172
132320 Periodic Acid (Reag. USP, Ph. Eur.) PA-ACS ... 317
132323 Chloramine T 3-hydrate (Reag. USP) PA-ACS ... 121
132346 Nitrile tri-Acetic Acid (Reag. Ph. Eur.) PA-ACS ... 301
132351 Ammonium Fluoride PA-ACS ... 51
132352 Ammonium meta-Vanadate (Reag. USP, Ph. Eur.) PA-ACS ... 59
132362 Ninhydrin PA-ACS ... 297
132363 Sodium Dodecyl Sulphate PA-ACS ... 392
132371 2,2'-Bipyridine (Reag. USP) PA-ISO ... 77
132382 Silver Diethyldithiocarbamate (Reag. USP, Ph. Eur.) PA-ACS ... 377
132397 Calcium Carbonate precipitated, low content of alkalis PA-ACS-ISO ... 106
132440 Sodium tetra-Phenylborate (Reag. Ph. Eur.) PA-ACS ... 410
132441 Anthrone (Reag. Ph. Eur.) PA-ACS ... 60
132536 Imidazole (Reag. USP, Ph. Eur.) PA-ACS ... 234
132617 Xylenol Orange Tetrasodium Salt PA-ACS ... 484
132618 Methylthymol Blue Sodium Salt PA-ACS ... 289
132637 Phthalein Purple PA-ACS ... 329
132656 di-Sodium Hydrogen Phosphate 7-hydrate PA-ACS ... 396
132670 1-Amino-2-Naphthol-4-Sulphonic Acid (Reag. USP) PA-ACS ... 43
132720 Benzoyl Chloride (Reag. Ph. Eur.) PA-ACS ... 75
132748 Ammonium Cerium(IV) Sulphate 2-hydrate (Reag. USP, Ph. Eur.) PA-ACS ... 49
132750 Ammonium Sulphamate (Reag. Ph. Eur.) PA-ACS ... 57
132751 N-(1-Naphthyl) Ethylenediamine Dihydrochloride PA-ACS ... 294
132770 Diethyl Ether stabilized with ~6 ppm of BHT (Reag. Ph. Eur.) PA-ACS-ISO ... 157
132830 Gallic Acid 1-hydrate (Reag. USP, Ph. Eur.) PA-ACS ... 202
132838 5-Sulphosalicylic Acid 2-hydrate (Reag. Ph. Eur.) PA-ACS ... 441
132845 4-(Phenylamino) Benzenesulphonic Acid Sodium Salt PA-ACS ... 324
132848 Lanthanum(III) Chloride 7-hydrate PA-ACS ... 251
132901 Osmium(VIII) Oxide PA-ACS ... 307

132921 Silica Gel 0,5-1,2 mm with indicator (with cobalt chloride) PA-ACS ... 375
133066 Naphthol Green B (C.I. 10020) PA-ACS ... 294
133070 Hydrofluoric Acid 40% PA-ISO ... 228
133080 1-Methyl-2-Pyrrolidone PA-ACS ... 288
133101 Trichloromethane stabilized with ~50 ppm of amylene (Reag. USP, Ph. Eur.) PA-ACS ... 464
133234 Methyl Red Sodium Salt (C.I. 13020) PA-ACS ... 288
133242 n-Hexane 95% PA-ACS ... 215
133255 Nitric Acid 65% PA-ISO ... 300
133266 1,1,2-Trichlorotrifluoroethane (ACS IX, Reag. USP, Ph. Eur.) (E.U.) PA-ACS ... 467
133312 tert-Butyl Methyl Ether (Reag. USP, Ph. Eur.) PA-ACS ... 101
133331 Phenol Red Sodium Salt PA-ACS ... 323
133378 Hydrochloric Acid 25% PA-ISO ... 225
133386 1-Octanol (Reag. USP) PA-ACS ... 305
133534 1,2-Diaminocyclohexane-N,N,N',N',-Tetraacetic Acid 1-hydrate (Reag. Ph. Eur.) PA-ACS ... 147
133537 Tetrahydrofuran stabilized with ~300 ppm of BHT PA-ACS ... 452
133577 1,5-Diphenylcarbazide (symmetrical) (Reag. Ph. Eur.) PA-ACS ... 171
133606 2',7'-Dichlorofluorescein (Reag. Ph. Eur.) PA-ACS ... 152
134220 Reinecke Salt (Reag. USP, Ph. Eur.) PA-ACS ... 370
134387 Sodium Perchlorate 1-hydrate (Reag. USP) PA-ACS ... 409
134432 Tetrachloroauric Acid(III) 3-hydrate PA-ACS ... 450
134433 Hexachloroplatinic(IV) Acid 6-hydrate (Reag. Ph. Eur.) PA-ACS ... 212
134758 Ammonium Cerium(IV) Nitrate (Reag. Ph. Eur.) PA-ACS ... 49
134852 Phenol crystallized (detached crystals) PA-ACS ... 323
134887 Thioacetamide (Reag. Ph. Eur.) PA-ACS ... 453
135212 Xylene, mixture of isomers, low in ethylbenzene (max. 4%) PA-ACS-ISO ... 482
135279 Sodium Methylate 0,5 mol/l methanolic PA-ACS ... 406
135324 meta-Phosphoric Acid stabilized with $NaPO_3$ (Reag. Ph. Eur.) PA-ACS ... 328
135571 Silica Gel 2,5-6 mm with indicator (without cobalt chloride) PA-ACS ... 375
136064 Magnesium Perchlorate hydrate (desiccant) PA-ACS ... 263
136422 1,1,2-Trichlorotrifluoroethane (ACS IX, Reag. USP, Ph. Eur.) (B.D.N.) PA-ACS ... 467
136423 Carbon Tetrachloride (ACS VIII, Reag. Ph. Eur.) (B.D.N.) PA-ACS-ISO ... 116

14 PRS/PRS-CODEX

141003 Vaseline Oil (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 478
141004 Acetamide PRS ... 20
141005 Acetanilide PRS ... 20
141007 Acetone (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 26
141008 Acetic Acid glacial (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 22
141012 Acetylsalicylic Acid (RFE, BP, Ph. Eur.) PRS-CODEX ... 30
141013 L(+)-Ascorbic Acid (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 65
141014 Benzoic Acid (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 73
141015 Boric Acid (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 81
141017 Hydrobromic Acid 48% PRS ... 221
141018 Citric Acid 1-hydrate (RFE, USP, BP, Ph. Eur., JP) PRS-CODEX ... 130
141020 Hydrochloric Acid 37% (RFE, BP, Ph. Eur.) PRS-CODEX ... 223
141025 5,5-Diethylbarbituric Acid (RFE, BP, Ph. Eur.) PRS-CODEX ... 156
141026 Ethylenediaminetetraacetic Acid (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 183
141029 Formic Acid 85% PRS ... 199
141030 Formic Acid 98% PRS ... 199
141032 ortho-Phosphoric Acid 85% (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 327
141034 L(+)-Lactic Acid (RFE, BP, Ph. Eur.) PRS-CODEX ... 250
141035 Molybdic Acid (contains ammonium molybdate) PRS ... 291
141037 Nitric Acid 69% (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 299
141041 Oxalic Acid 2-hydrate PRS ... 307
141044 Perchloric Acid 20% PRS ... 317
141045 Salicylic Acid (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 373
141048 Picric Acid moistened with ~33% of H_2O (Reag. Ph. Eur.) PRS ... 330
141053 Rubeanic Acid PRS ... 372
141054 Perchloric Acid 60% PRS ... 316
141055 Sorbic Acid (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 418
141057 Sulphanilic Acid PRS ... 441
141058 Sulphuric Acid 95-98% (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 444
141065 Tannic Acid (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 447
141066 L(+)-Tartaric Acid PRS ... 448
141067 Trichloroacetic Acid (BP, Ph. Eur.) PRS-CODEX ... 462
141068 Uric Acid PRS ... 476
141074 Water (BP, Ph. Eur.) PRS-CODEX ... 480
141076 Hydrogen Peroxide 30% w/v (100 vol.) stabilized PRS ... 230
141077 Hydrogen Peroxide 33% w/v (110 vol.) stabilized (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 229
141079 3-Methyl-1-Butanol PRS ... 281
141081 Benzyl Alcohol (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 76
141082 1-Butanol (USP-NF) PRS-CODEX ... 96
141083 4-Hydroxy-4-Methyl-2-Pentanone PRS ... 233
141085 Ethanol 96% v/v (USP, BP, Ph. Eur.) PRS-CODEX ... 179
141086 Ethanol absolute PRS ... 177
141089 Isobutanol PRS ... 243
141090 2-Propanol (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 364
141091 Methanol (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 277
141097 Aluminium Chloride 6-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 39
141098 Aluminium metal, powder PRS ... 38
141099 Aluminium Nitrate 9-hydrate PRS ... 39
141101 Aluminium Sulphate 18-hydrate PRS ... 40
141102 Aluminium Ammonium Sulphate 12-hydrate (USP) PRS-CODEX ... 38
141103 Aluminium Potassium Sulphate 12-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 40
141114 Ammonium Acetate PRS ... 47
141115 Ammonium Benzoate PRS ... 48
141116 Ammonium Hydrogen Carbonate (RFE, BP, Ph. Eur.) PRS-CODEX ... 51
141117 Ammonium Hydrogen Sulphate PRS ... 53
141118 Ammonium Bromide (BP, Ph. Eur.) PRS-CODEX ... 48
141119 Ammonium Carbonate (USP-NF) PRS-CODEX ... 49
141120 di-Ammonium Hydrogen Citrate PRS ... 52
141121 Ammonium Chloride (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 50
141124 Ammonium Chromate PRS ... 50
141125 Ammonium Dichromate moistened with 0,5-3,0% of H_2O PRS ... 50
141126 Ammonium di-Hydrogen Phosphate PRS ... 53
141127 di-Ammonium Hydrogen Phosphate (USP) PRS-CODEX ... 52
141128 Ammonia 20% (as NH_3) PRS ... 47
141129 Ammonia 25% (as NH_3) (BP, Ph. Eur.) PRS-CODEX ... 45
141130 Ammonia 30% (as NH_3) (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 44
141134 Ammonium Molybdate 4-hydrate (USP) PRS-CODEX ... 55
141136 di-Ammonium Oxalate 1-hydrate PRS ... 56
141137 Ammonium Perchlorate PRS ... 56
141138 Ammonium Peroxodisulphate PRS ... 57
141139 Ammonium Polysulphide solution 25% w/w PRS ... 57
141140 Ammonium Sulphate PRS ... 57
141143 Ammonium Thiocyanate PRS ... 58
141145 Ammonium Sulphide solution 10% w/v PRS ... 58
141146 di-Ammonium Tartrate PRS ... 58
141147 Acetic Anhydride PRS ... 24
141151 Arsenic(III) Oxide PRS ... 64
141154 di-Phosphorus penta-Oxide PRS ... 329
141156 Aniline PRS ... 60
141159 Potassium Antimony(III) Tartrate 3-hydrate PRS ... 335
141163 Sulphur precipitated (RFE, BP, Ph. Eur., DAB) PRS-CODEX ... 441
141164 Sulphur sublimated (USP) PRS-CODEX ... 441
141180 Barium Acetate PRS ... 67
141181 Barium Carbonate PRS ... 67
141182 Barium Chloride 2-hydrate PRS ... 68
141187 Barium Chromate (C.I. 77103) PRS ... 68
141188 Barium Hydroxide 8-hydrate PRS ... 69
141190 Barium Nitrate PRS ... 69
141191 Barium Sulphate PRS ... 69
141192 Benzene PRS ... 71
141194 2-Naphthol PRS ... 293
141195 Bismuth(III) Hydroxide Carbonate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 78
141196 Bismuth(III) Nitrate 5-hydrate PRS ... 79
141197 Bismuth(III) Hydroxide Nitrate (USP, DAB) PRS-CODEX ... 79
141198 Potassium Boron Tartrate PRS ... 335
141199 Bromine PRS ... 83
141201 Bromoform stabilized with ethanol (Ph. Fr.) PRS-CODEX ... 88
141202 n-Butyl Acetate PRS ... 99
141203 Cadmium Acetate 2-hydrate PRS ... 103
141205 Cadmium Chloride 2,5-hydrate PRS ... 103
141206 Cadmium metal, sheets PRS ... 102
141207 Cadmium Nitrate 4-hydrate PRS ... 104
141208 Cadmium Sulphate 8/3-hydrate PRS ... 104
141209 Cadmium Iodide PRS ... 104
141211 Calcium Acetate x-hydrate (USP) PRS-CODEX ... 105
141212 Calcium Carbonate precipitated (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 107
141214 Calcium Chloride 6-hydrate PRS ... 108
141224 Calcium Formate PRS ... 109
141225 Calcium Bis (di-Hydrogen Phosphate) 1-hydrate PRS ... 106
141226 Calcium Hydrogen Phosphate 2-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 109
141227 Calcium Hydrogen Phosphate anhydrous (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 109
141228 tri-Calcium Phosphate (RFE, BP, Ph. Eur.) PRS-CODEX ... 111
141230 Calcium Lactate 5-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 110
141231 Calcium Nitrate 4-hydrate PRS ... 111
141232 Calcium Chloride 2-hydrate powder PRS ... 107
141233 Calcium Oxalate 1-hydrate PRS ... 111
141235 Calcium Sulphate 2-hydrate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 112
141244 Carbon Disulphide PRS ... 114
141245 Carbon Tetrachloride (E.U.) PRS ... 116
141247 Cerium(IV) Oxide PRS ... 118
141248 Cerium(IV) Sulphate 4-hydrate PRS ... 119
141250 Cyclohexane PRS ... 141
141252 Trichloromethane stabilized with ethanol PRS ... 466
141254 Dichloromethane stabilized with amylene (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 153
141255 Cobalt(II) Acetate 4-hydrate PRS ... 131
141256 Cobalt(II) Hydroxide Carbonate ~50% Co PRS ... 131
141257 Cobalt(II) Chloride 6-hydrate PRS ... 131
141258 Cobalt(II) Nitrate 6-hydrate PRS ... 131
141259 Cobalt(II) Sulphate 7-hydrate PRS ... 132
141260 Cyclohexanol PRS ... 141
141261 Copper(II) Acetate 1-hydrate PRS ... 133
141262 Copper(II) Hydroxide Carbonate PRS ... 135
141263 Copper(I) Cyanide PRS ... 135
141264 Copper(II) Chloride 2-hydrate (USP) PRS-CODEX ... 134
141266 Copper metal, powder PRS ... 133
141267 Copper(II) Nitrate 3-hydrate PRS ... 135
141269 Copper(II) Oxide PRS ... 136
141270 Copper(II) Sulphate 5-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX ... 136
141275 Chromium(III) Nitrate 9-hydrate PRS ... 127
141276 Magnesium Oxide light (RFE, BP, Ph. Eur.) PRS-CODEX ... 263
141278 Collodion solution 4% w/v (USP) PRS-CODEX ... 132
141284 Chromium(III) Potassium Sulphate 12-hydrate PRS ... 128
141286 1,2-Dichloroethane PRS ... 151
141290 Di-Isobutylketone PRS ... 160
141296 1,4-Dioxan stabilized with ~25 ppm of BHT PRS ... 171
141297 Iron(III) Nitrate 9-hydrate PRS ... 240
141302 Turpentine Oil stabilized with 100 ppm of DL-α-Tocopherol (BP) PRS-CODEX ... 474
141303 Tin(II) Chloride 2-hydrate PRS ... 456
141305 Tin(IV) Oxide PRS ... 456
141306 Strontium Carbonate PRS ... 438
141307 Strontium Chloride 6-hydrate PRS ... 438
141309 Strontium Hydroxide 8-hydrate PRS ... 438
141310 Strontium Nitrate PRS ... 439
141311 Strontium Oxalate 1-hydrate PRS ... 439
141312 Strontium Sulphate PRS ... 439
141314 Di-Isopropyl Ether stabilized with ~50 ppm of BHT PRS ... 161
141315 Petroleum Ether 40-60°C PRS ... 319
141316 Ethylene Glycol PRS ... 186
141317 Ethylene Glycol mono-Ethyl Ether PRS ... 186
141318 Ethyl Acetate PRS ... 181
141319 Ethyl (S)-(-)-Lactate PRS ... 188
141323 Phenol 90% aqueous solution (USP) PRS-CODEX ... 322
141325 Phenolphthalein (BP, Ph. Eur.) PRS-CODEX ... 323
141328 Formaldehyde 37-38% w/w stabilized with methanol (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 197
141329 Phosphorus red PRS ... 328
141339 Glycerol (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 206
141340 Glycine (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 208
141341 D(+)-Glucose anhydrous (RFE, USP, BP, Ph. Eur., DAB) PRS-CODEX ... 204
141343 L-Glutamine (USP) PRS-CODEX ... 205
141345 Heptane, alkanes mixture PRS ... 212
141346 Hexamethylenetetramine PRS ... 213
141347 Hexane, alkanes mixture PRS ... 216
141348 2-Methyl-2,4-Pentanediol (USP-NF) PRS-CODEX ... 285
141351 Hydroquinone (USP) PRS-CODEX ... 231
141354 tri-Magnesium di-Citrate 9-hydrate PRS ... 262
141357 Iron(II) Oxalate 2-hydrate PRS ... 240
141358 Iron(III) Chloride 6-hydrate PRS ... 240
141360 Iron(III) Sulphate x-hydrate ~75% PRS ... 241
141362 Iron(II) Sulphate 7-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 241
141363 Iron(II) Sulphide cylinders PRS ... 241
141364 Ammonium Iron(III) Oxalate 3-hydrate PRS ... 54
141365 Ammonium Iron(III) Sulphate 12-hydrate PRS ... 55
141368 Ammonium Iron(II) Sulphate 6-hydrate PRS ... 54
141372 Isoamyl Acetate PRS ... 242
141374 Isopropyl Acetate PRS ... 247
141375 Lactose 1-hydrate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 251
141391 Lithium Carbonate PRS ... 257
141392 Lithium Chloride PRS ... 258
141393 Lithium Sulphate 1-hydrate PRS ... 259
141394 Magnesium Acetate 4-hydrate PRS ... 260
141396 Magnesium Chloride 6-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX ... 261
141399 tri-Magnesium di-Phosphate 5-hydrate PRS ... 263
141400 Magnesium metal, powder PRS ... 260
141401 Magnesium Molybdate 5-hydrate PRS ... 262
141402 Magnesium Nitrate 6-hydrate PRS ... 263
141404 Magnesium Sulphate 7-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 264
141407 Manganese(II) Acetate 4-hydrate PRS ... 267
141409 Manganese(II) Carbonate x-hydrate PRS ... 267
141410 Manganese(II) Chloride 4-hydrate PRS ... 267
141412 Manganese(II) Lactate 3-hydrate PRS ... 268
141413 Manganese(II) Sulphate 1-hydrate (USP, BP, Ph. Eur.) PRS-CODEX ... 269
141417 Mercury(II) Acetate PRS ... 271
141418 Mercury(II) Bromide PRS ... 271
141419 Mercury(II) Chloride PRS ... 272
141421 Mercury metal PRS ... 271
141423 Mercury(I) Nitrate 2-hydrate PRS ... 273
141426 Mercury(II) Oxide yellow PRS ... 273
141427 Mercury(II) Oxide red PRS ... 273
141429 Butanone (Methylethylketone) PRS ... 98
141430 4-Methyl-2-Pentanone (USP-NF) PRS-CODEX ... 286
141438 Naphthalene PRS ... 293
141441 Nickel(II) Acetate 4-hydrate PRS ... 295
141442 Nickel(II) Hydroxide Carbonate x-hydrate PRS ... 296
141443 Nickel(II) Chloride 6-hydrate PRS ... 295
141444 Nickel(II) Nitrate 6-hydrate PRS ... 296
141445 Nickel(II) Sulphate 6-hydrate PRS ... 296
141448 Gold(III) Chloride-Sodium Chloride ~49% Au PRS ... 208
141451 Paraformaldehyde (DAC) PRS-CODEX ... 310
141453 Piperazine 6-hydrate PRS ... 330
141455 Tetrachloroethylene PRS ... 451
141457 Pyridine PRS ... 367
141459 Silver Nitrate (RFE, BP, Ph. Eur.) PRS-CODEX ... 377
141466 Lead(II) Acetate 3-hydrate PRS ... 252
141468 Lead(IV) Oxide PRS ... 254
141469 Lead(II) Hydroxide Carbonate PRS ... 253
141470 Lead(II) Chloride PRS ... 252
141473 Lead(II) Nitrate PRS ... 254
141475 Lead(II) Oxide (DAC) PRS-CODEX ... 254
141477 Lead(II) Hydroxideacetate solution PRS ... 253
141478 Lead(II) Sulphate PRS ... 254
141479 Potassium Acetate (RFE, BP, Ph. Eur.) PRS-CODEX ... 335
141480 Potassium Hydrogen Carbonate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 345
141481 Potassium Hydrogen Phthalate PRS ... 348
141484 Potassium Hydrogen Oxalate PRS ... 345
141485 Potassium Hydrogen Sulphate PRS ... 348
141486 Potassium Hydrogen Tartrate PRS ... 348
141487 Potassium Bromate PRS ... 336
141489 Potassium Bromide (RFE, BP, Ph. Eur.) PRS-CODEX ... 337
141490 Potassium Carbonate PRS ... 337
141491 Potassium Cyanide PRS ... 341
141492 tri-Potassium Citrate 1-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 340
141493 Potassium Chlorate (Ph. Helv.) PRS-CODEX ... 338
141494 Potassium Chloride PRS ... 338
141497 Potassium Chromate PRS ... 340
141500 Potassium Dichromate PRS ... 341
141503 Potassium Hexacyanoferrate(III) PRS ... 344
141505 Potassium Hexacyanoferrate(II) 3-hydrate PRS ... 344
141508 Potassium Formate PRS ... 343
141509 Potassium di-Hydrogen Phosphate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 347
141512 di-Potassium Hydrogen Phosphate anhydrous (RFE, BP, Ph. Eur.) PRS-CODEX ... 346
141513 tri-Potassium Phosphate 1,5-hydrate PRS ... 357
141515 Potassium Hydroxide 85% pellets (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 349

141522 Potassium Disulphite (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 343
141523 Potassium meta-Periodate PRS ... 356
141524 Potassium Nitrate without anticaking (RFE, BP, Ph. Eur.) PRS-CODEX ... 353
141525 Potassium Peroxodisulphate PRS ... 357
141526 di-Potassium Oxalate 1-hydrate PRS ... 355
141527 Potassium Permanganate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 356
141531 Potassium Sorbate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 358
141532 Potassium Sulphate PRS ... 359
141534 Potassium Thiocyanate PRS ... 360
141537 Potassium Tartrate 1/2-hydrate PRS ... 359
141538 Potassium tetra-Oxalate 2-hydrate PRS ... 354
141540 Potassium Iodate PRS ... 352
141542 Potassium Iodide (RFE, USP, BP, Ph. Eur., DAB) PRS-CODEX ... 353
141545 1,2-Propanediol (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 361
141571 Sodium Hydroxide solution 50% w/v PRS ... 401
141603 Resorcinol (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 371
141621 Saccharose (RFE, USP-NF, BP, Ph. Eur., DAB, JP) PRS-CODEX ... 372
141624 Salicylamide (USP) PRS-CODEX ... 373
141625 Selenium metal powder PRS ... 374
141632 Sodium Acetate 3-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 380
141633 Sodium Acetate anhydrous (USP) PRS-CODEX ... 380
141635 di-Sodium Hydrogen Arsenate 7-hydrate PRS ... 394
141636 Sodium meta-Arsenite PRS ... 381
141637 Sodium Benzoate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 382
141638 Sodium Hydrogen Carbonate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 394
141640 Sodium Hydrogen Sulphate anhydrous PRS ... 398
141643 Sodium Hydrogen Tartrate anhydrous PRS ... 399
141644 di-Sodium tetra-Borate 10-hydrate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 383
141645 Sodium Bromate PRS ... 383
141646 Sodium Bromide (RFE, BP, Ph. Eur.) PRS-CODEX ... 384
141647 Sodium Carbonate 10-hydrate PRS ... 386
141648 Sodium Carbonate anhydrous (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 385
141652 Sodium Cyanide PRS ... 390
141653 Sodium di-Hydrogen Citrate PRS ... 395
141654 di-Sodium Hydrogen Citrate 1 1/2-hydrate PRS ... 395
141655 tri-Sodium Citrate 2-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 389
141656 tri-Sodium Citrate 5,5-hydrate PRS ... 389
141658 Sodium Chlorate PRS ... 386
141659 Sodium Chloride (RFE, USP, BP, Ph. Eur., JP) PRS-CODEX ... 387
141665 Sodium Hydrogen di-Acetate PRS ... 394
141666 Sodium Dichromate 2-hydrate PRS ... 390
141667 Sodium 5,5-Diethylbarbiturate (Ph. Helv.) PRS-CODEX ... 390
141669 Ethylenediaminetetraacetic Acid Disodium Salt 2-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 184
141673 Magnesium Sulphate 65% dry, powder (BP) PRS-CODEX ... 265
141675 Sodium Fluoride (USP) PRS-CODEX ... 392
141676 Sodium Formate PRS ... 393
141677 Sodium di-Hydrogen Phosphate 2-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 398
141678 di-Sodium Hydrogen Phosphate 12-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 397
141679 di-Sodium Hydrogen Phosphate anhydrous (USP, BP, Ph. Eur.) PRS-CODEX ... 396
141680 tri-Sodium Phosphate 12-hydrate PRS ... 410
141681 tri-Sodium Phosphate 1-hydrate PRS ... 410
141683 Sodium L-Glutamate 1-hydrate (USP) PRS-CODEX ... 393
141684 Sodium Polyphosphate PRS ... 411
141686 Sodium Hydroxide flakes (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 400
141687 Sodium Hydroxide pellets (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 399
141697 Sodium Phosphinate 1-hydrate (DAC) PRS-CODEX ... 411
141698 Sodium Disulphite (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 391
141699 Sodium metal, sticks PRS ... 379
141701 Sodium Molybdate 2-hydrate (BP, Ph. Eur.) PRS-CODEX ... 407
141702 Sodium Nitrate PRS ... 407
141703 Sodium Nitrite (USP) PRS-CODEX ... 407
141706 di-Sodium Oxalate PRS ... 408
141709 di-Sodium di-Hydrogen Pyrophosphate PRS ... 398
141710 tetra-Sodium Pyrophosphate 10-hydrate PRS ... 412
141711 tetra-Sodium Pyrophosphate anhydrous PRS ... 411
141715 Sodium Sulphate 10-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 414
141716 Sodium Sulphate anhydrous (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 414
141717 Sodium Sulphite anhydrous PRS ... 415
141718 Sodium Thiocyanate PRS ... 416
141719 Sodium Tartrate 2-hydrate PRS ... 416
141721 Sodium Thiosulphate 5-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 417
141724 Sodium Tungstate 2-hydrate PRS ... 418
141726 Sodium Iodide PRS ... 405
141729 Potassium Sodium Tartrate 4-hydrate (USP) PRS-CODEX ... 358
141733 Talc washed (RFE, BP, Ph. Eur.) PRS-CODEX ... 447
141735 1,1,2,2-Tetrabromoethane PRS ... 449
141738 Thymol PRS ... 455
141743 Thiourea PRS ... 454
141745 Toluene PRS ... 459
141749 Trichloroethylene, stabilized with ethanol PRS ... 463
141750 Triethanolamine (USP-NF) PRS-CODEX ... 468
141756 Urea Nitrate moistened with ~20% of H_2O PRS ... 476
141769 Xylene, mixture of isomers PRS ... 482
141770 Iodine mono-Bromide PRS ... 238
141771 Iodine resublimed pearls (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 237
141775 Zinc Acetate 2-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 485
141778 Zinc Cyanide PRS ... 486
141779 Zinc Chloride PRS ... 486
141781 Zinc Phenolsulphonate 8-hydrate PRS ... 487
141783 Zinc metal, powder PRS ... 485
141784 Zinc Nitrate 6-hydrate PRS ... 486
141785 N,N-Dimethylformamide PRS ... 165
141786 Zinc Oxide PRS ... 487
141787 Zinc Sulphate 7-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 488
141788 Zinc Sulphate 1-hydrate (USP) PRS-CODEX ... 488
141792 Agar (USP) PRS-CODEX ... 33
141796 Magnesium Trisilicate x-hydrate (USP) PRS-CODEX ... 265
141797 Maltose 1-hydrate PRS ... 266
141798 4-Methylaminophenol Sulphate PRS ... 280
141800 Silver Carbonate PRS ... 376
141801 Silver Sulphate PRS ... 378
141802 Silver Chloride PRS ... 377
141808 Citric Acid anhydrous (RFE, USP, BP, Ph. Eur., JP) PRS-CODEX ... 129
141812 Aluminium Hydroxide PRS ... 39
141818 Calcium Stearate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 112
141840 Magnesium Hydroxide (RFE, BP, Ph. Eur.) PRS-CODEX ... 262
141851 Silver Acetate PRS ... 376
141855 Potassium Nitrite PRS ... 354
141856 Potassium Perchlorate (DAC) PRS-CODEX ... 355
141859 Sodium Salicylate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 412
141862 Petroleum Ether 50-70°C PRS ... 320
141868 Iron(II) Chloride 4-hydrate PRS ... 239
141871 Sodium Hydrogen Tartrate 1-hydrate PRS ... 399
141878 Magnesium Sulphate 75% extradry, powder PRS ... 264
141882 Maleic Acid (RFE, BP, Ph. Eur.) PRS-CODEX ... 265
141884 1-Pentanol PRS ... 313
141885 1-Propanol (BP, Ph. Eur.) PRS-CODEX ... 362
141888 Ethylene Glycol mono-Butyl Ether PRS ... 186
141894 Silver Cyanide PRS ... 377
141895 Zinc Stearate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 487
141901 Iron metal reduced by hydrogen PRS ... 239
141903 2-Methyl-2-Propanol PRS ... 287
141909 Iodoform PRS ... 238
141911 Ammonium Hydrogen di-Fluoride PRS ... 52
141913 Glycerol mono-Acetate PRS ... 207
141914 Hydroxylammonium Chloride PRS ... 232
141922 Glycerol tri-Acetate (USP, BP, Ph. Eur.) PRS-CODEX ... 207
141926 Chromium(III) Sulphate x-hydrate PRS ... 128
141927 Magnesium Hydrogen Phosphate 3-hydrate PRS ... 262
141928 Lithium Hydroxide 1-hydrate (USP) PRS-CODEX ... 258
141929 Sodium Hydroxide pearls (USP, BP, Ph. Eur.) PRS-CODEX ... 400
141933 Silver(I) Oxide PRS ... 378
141937 Di-n-Butyl Phthalate PRS ... 149
141940 Tris (Hydroxymethyl) Aminomethane (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 472
141945 Magnesium metal, filings PRS ... 260
141949 Methyl Benzoate PRS ... 280
141952 Ethylenediaminetetraacetic Acid Tetrasodium Salt 4-hydrate PRS ... 185
141953 Chlorobenzene PRS ... 122
141954 Dimethyl Sulphoxide PRS ... 168
141956 Formamide PRS ... 198
141962 Propyl Gallate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 366
141965 Sodium di-Hydrogen Phosphate 1-hydrate (USP, BP) PRS-CODEX ... 397
141973 Ethyl Benzoate PRS ... 182
141975 Chloral Hydrate (RFE, BP, Ph. Eur.) PRS-CODEX ... 121
141976 Potassium Fluoride PRS ... 343
142003 Lithium metal, pieces in Argon atmosphere PRS ... 256
142004 Cadmium Bromide 4-hydrate PRS ... 103
142005 Copper(II) Bromide PRS ... 134
142006 n-Pentane PRS ... 312
142014 Chromium(III) Chloride 6-hydrate PRS ... 127
142023 Methyl Acetate PRS ... 279
142028 Ammonium Iron(III) Citrate green PRS ... 54
142029 Magnesium Stearate (RFE, BP, Ph. Eur.) PRS-CODEX ... 264
142032 Sodium Carbonate 1-hydrate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 385
142034 L-Aspartic Acid (RFE, BP, Ph. Eur.) PRS-CODEX ... 65
142035 DL-Alanine PRS ... 36
142041 Thioglycollic Acid 80% PRS ... 454
142042 L-Glutamic Acid (RFE, BP, Ph. Eur.) PRS-CODEX ... 204
142043 L-Alanine (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 36
142045 L-Histidine (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 218
142046 L-Leucine (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 255
142047 L-Phenylalanine (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 324
142048 Vanillin (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 477
142049 L-Tryptophan (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 474
142050 Tween ® 80 (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 475
142051 DL-Malic Acid (USP-NF) PRS-CODEX ... 266
142060 Gelatine 80-100 Blooms (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 202
142061 Arabic Gum powder PRS ... 62
142062 n-Heptane PRS ... 211
142063 n-Hexane PRS ... 214
142064 Isooctane PRS ... 246
142067 D(-)-Mannitol (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 269
142077 L-Tyrosine (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 475
142080 D(+)-Xylose (RFE, BP, Ph. Eur.) PRS-CODEX ... 484
142083 Colophony (BP, Ph. Eur.) PRS-CODEX ... 132
142085 Eucalyptol (USP) PRS-CODEX ... 189
142091 Ethylenediaminetetraacetic Acid Dipotassium Salt 2-hydrate PRS ... 184
142093 Ethylenediaminetetraacetic Acid Dipotassium Magnesium Salt 2-hydrate PRS ... 184
142099 Sodium Iodide 2-hydrate PRS ... 405
142101 Titanium(IV) Oxide (RFE, USP, BP, DAB, Ph. Eur.) PRS-CODEX ... 457
142166 Mercury(II) Sulphate PRS ... 274
142175 Perchloric Acid 70% PRS ... 316
142176 Hydrochloric Acid 32% PRS ... 225
142198 L-Histidine mono-Hydrochloride 1-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX ... 218
142213 Hydriodic Acid 57% PRS ... 221
142224 Barium Fluoride PRS ... 68
142230 Strontium Fluoride PRS ... 438
142312 Tween® 20 (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 475
142314 Triton® X 100 PRS ... 473
142315 Triton ® X 405 solution 70% PRS ... 473
142320 Periodic Acid PRS ... 317
142323 Chloramine T 3-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX ... 121
142329 Glycerol 87% (RFE, BP, Ph. Eur.) PRS-CODEX ... 207
142333 di-Potassium Hydrogen Phosphate 3-hydrate PRS ... 346
142338 Sodium Iodate PRS ... 405
142342 Adipic Acid (USP, BP, Ph. Eur.) PRS-CODEX ... 32
142344 Fumaric Acid (USP-NF) PRS-CODEX ... 201
142346 Nitrile tri-Acetic Acid PRS ... 301
142351 Ammonium Fluoride PRS ... 51
142352 Ammonium meta-Vanadate PRS ... 59
142357 Benzoyl Peroxide humidified with ~25% of H_2O (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 75
142358 Phenylmercury Acetate (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 325
142360 Magnesium Fluoride PRS ... 262
142363 Sodium Dodecyl Sulphate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 392
142367 Manganese(IV) Oxide precipitated PRS ... 268
142384 2-Oxoglutaric Acid PRS ... 308
142395 Mercurydibromofluoroescein PRS ... 272
142400 Calcium Hydroxide, powder (RFE, USP, BP, Ph. Eur., JP) PRS-CODEX ... 110
142404 Sodium Hydroxide solution 50% w/w PRS ... 400
142416 Carboxymethylcellulose Sodium Salt low viscosity (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 116
142422 DL-Aspartic Acid PRS ... 66
142431 Lithium Fluoride PRS ... 258
142432 Lithium Nitrate PRS ... 258
142436 Polyethylene Glycol 400 (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 332
142438 Polyethylene Glycol 4000 flakes (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 332
142465 Barium Sulphate for radiology (RFE, BP, Ph. Eur.) PRS-CODEX ... 70
142475 Siliceous Earth purified and calcined (USP-NF) PRS-CODEX ... 376
142502 Trichloromethane stabilized with 1-2% of ethanol (BP) PRS-CODEX ... 466
142507 di-Sodium Hydrogen Phosphate 2-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX ... 396
142512 Stearic Acid 50 (fatty acids mixture) (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 438
142542 Cetrimide (RFE, BP, Ph. Eur.) PRS-CODEX ... 119
142557 Cobalt(II,III) Oxide PRS ... 132
142590 Stearic Acid 95 (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 437
142594 Hydrazinium mono-Chloride PRS ... 219
142652 DL-Camphor synthetic (USP) PRS-CODEX ... 113
142659 Oleic Acid (USP) PRS-CODEX ... 306
142660 Hydrogen Peroxide 6% w/v (20 vol.) stabilized (BP) PRS-CODEX ... 230
142697 Potassium Hydrogen Diiodate PRS ... 345
142698 Petroleum Ether 25-40°C PRS ... 318
142699 Petroleum Ether 30-40°C PRS ... 318
142700 Petroleum Ether 30-50°C PRS ... 318
142701 Petroleum Ether 60-80°C PRS ... 320
142702 Petroleum Ether 65-95°C PRS ... 320
142705 Lanthanum(III) Oxide PRS ... 251
142726 Copper(II) Sulphate anhydrous (RFE, BP, Ph. Eur.) PRS-CODEX ... 136
142728 D(-)-Fructose (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 200
142730 Nickel Oxide black PRS ... 296
142742 Tin metal, powder PRS ... 455
142748 Ammonium Cerium(IV) Sulphate 2-hydrate PRS ... 49
142749 Ammonium Copper(II) Chloride 2-hydrate PRS ... 50
142756 Sodium Selenite anhydrous PRS ... 412
142767 o-Xylene PRS ... 483
142768 m-Xylene PRS ... 483
142769 p-Xylene PRS ... 484
142770 Diethyl Ether stabilized with ~6 ppm of BHT PRS ... 158
142786 Octanoic Acid (RFE, BP, Ph. Eur.) PRS-CODEX ... 305
142791 Molybdenum(VI) Oxide PRS ... 291
142823 Sulphanilamide (Ph. Fr., DAB) PRS-CODEX ... 440
142825 2,6-Di-tert-Butyl-4-Methylphenol (RFE, BP, Ph. Eur.) PRS-CODEX ... 148
142833 Caffeine anhydrous (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 105
142839 Barium Perchlorate anhydrous PRS ... 69
142880 L-Isoleucine (USP, BP, Ph. Eur.) PRS-CODEX ... 244
142882 L-Methionine (USP, BP, Ph. Eur.) PRS-CODEX ... 278
142902 Lithium Bromide PRS ... 257
142904 Cadmium Oxide PRS ... 104
142909 Vanadium(V) Oxide PRS ... 477
142912 Ammonium Iron(III) Citrate brown (USP, DAC) PRS-CODEX ... 54
142925 1,1,1-Trichloroethane (E.U.) PRS ... 462
142961 L(-)-Menthol (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 270
142963 Methyl Salicylate synthetic (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 289
142970 Sodium Stannate 3-hydrate PRS ... 413
142977 Manganese metal, small sheets PRS ... 267
142983 Sodium D-Gluconate (USP) PRS-CODEX ... 393
143052 di-Sodium tetra-Borate anhydrous PRS ... 383
143064 D(-)-Sorbite (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 420
143080 1-Methyl-2-Pyrrolidone (BP, Ph. Eur.) PRS-CODEX ... 288
143083 Benzethonium Chloride (USP, BP, Ph. Eur.) PRS-CODEX ... 72
143091 Formaldehyde solution 10% neutralized, stabilized with methanol PRS ... 197
143101 Trichloromethane stabilized with ~50 ppm of amylene (BP) PRS-CODEX ... 464
143140 D(+)-Glucose 1-hydrate (RFE, USP, BP, Ph. Eur., DAB) PRS-CODEX ... 204
143143 Cetyl Alcohol (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 119
143145 N,N-Dimethylacetamide (BP, Ph. Eur.) PRS-CODEX ... 162
143162 Lead metal, powder PRS ... 252
143209 Paraffin M.P. 51-53°C pellets (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 309

143224 Manganese(II) Nitrate 4-hydrate PRS ... 268
143242 n-Hexane 95% PRS ... 216
143255 Nitric Acid 65% PRS ... 300
143289 Sodium Formaldehyde Sulphoxylate x-hydrate (USP-NF) PRS-CODEX ... 392
143299 Ammonium Sulphide solution 20% w/w PRS ... 58
143306 Sodium Lactate PRS ... 405
143307 Sodium Lactate solution 50% w/w (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 406
143312 tert-Butyl Methyl Ether PRS ... 101
143332 Methyl 4-Hydroxybenzoate (RFE, USP-NF, BP, Ph. Eur., JP) PRS-CODEX ... 284
143389 Nicotinic Acid (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 297
143396 Sodium Peroxodisulphate PRS ... 410
143459 Indium(III) Sulphate anhydrous PRS ... 236
143464 L-Arginine (USP, BP, Ph. Eur.) PRS-CODEX ... 63
143473 Sodium Propionate (USP-NF) PRS-CODEX ... 411
143481 Chloramphenicol (RFE, BP, Ph. Eur.) PRS-CODEX ... 121
143482 Ammonium Formate PRS ... 51
143501 Isopentane PRS ... 247
143537 Tetrahydrofuran stabilized with ~300 ppm of BHT PRS ... 452
143573 Phosphorous Acid PRS ... 328
143578 Sodium Succinate anhydrous PRS ... 413
143607 Petroleum Ether 30-60°C PRS ... 318
143646 L-Proline (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 360
143854 Sodium Hydrogen Sulphate 1-hydrate PRS ... 398
143865 Sodium L(+)-Ascorbate (USP) PRS-CODEX ... 381
143886 2-[(Ethylmercury)Thio] Benzoic Acid Sodium Salt (USP, BP, Ph. Eur.) PRS-CODEX ... 188
143922 Carboxymethylcellulose Sodium Salt high viscosity (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 117
143958 Sodium meta-Borate 4-hydrate PRS ... 382
143977 D(+)-Biotin (USP) PRS-CODEX ... 77
144108 Ethylenediaminetetraacetic Acid Tripotassium Salt 2-hydrate PRS ... 185
144202 Copper(I) Iodide PRS ... 135
144233 2-tert-Butyl-4-Methoxyphenol (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 100
144272 Potassium Thiosulphate x-hydrate PRS ... 360
144321 tetra-Potassium Pyrophosphate anhydrous PRS ... 357
144329 Copper(I) Bromide PRS ... 134
144369 Tin(II) Sulphate PRS ... 456
144441 Carboxymethylcellulose Sodium Salt medium viscosity (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 117
144559 Ethylenediaminetetraacetic Acid Calcium Disodium Salt (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 184
144564 Castor Oil (RFE, BP, Ph. Eur., DAB) PRS-CODEX ... 118
144653 L-Arginine mono-Hydrochloride (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 64
144720 Benzyl Benzoate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 76
144747 2-Bromo-2-Nitro-1,3-Propanediol (BP) PRS-CODEX ... 89
144764 L-Lysine mono-Hydrochloride (USP, BP, Ph. Eur.) PRS-CODEX ... 259
144852 Phenol crystallized (detached crystals) (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 322
144894 Manganese(II) Oxide PRS ... 268
145044 L-Valine (USP, BP, Ph. Eur.) PRS-CODEX ... 477
145224 Sodium Chromate 4-hydrate PRS ... 388
145226 4-Chloro-3-Methylphenol (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 125
145265 Allantoin (BP, Ph. Eur.) PRS-CODEX ... 38
145300 1,1,1-Trichloro-2-Methyl-2-Propanol 1/2-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX ... 467
145398 1-Methoxy-2-Propanol PRS ... 279
145518 Phenylmercury Nitrate (basic) (RFE, BP, Ph. Eur.) PRS-CODEX ... 326
145522 Sodium Stearate PRS ... 413
145642 Sodium Perborate 4-hydrate (BP, Ph. Eur.) PRS-CODEX ... 409
145655 Acetylcholine Chloride (USP) PRS-CODEX ... 30
145827 DL-Methionine (BP, Ph. Eur.) PRS-CODEX ... 278
146075 Polysorbate 80 (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 334
146076 Polysorbate 20 (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 333
146092 Sorbitan Monopalmitate (USP, BP, Ph. Eur.) PRS-CODEX ... 419
146094 Sorbitan Monooleate (USP, BP, Ph. Eur.) PRS-CODEX ... 419
146101 Sorbitan Monolaurate (USP, BP, Ph. Eur.) PRS-CODEX ... 418
146102 Sorbitan Monostearate (USP, BP, Ph. Eur.) PRS-CODEX ... 419
146132 Sodium Dodecyl Sulphate solution 10% w/v PRS ... 392
146156 Sorbitan Sesquioleate (USP, BP, Ph. Eur.) PRS-CODEX ... 419
146157 Sorbitan Trioleate (USP, BP, Ph. Eur.) PRS-CODEX ... 420
146158 Polysorbate 40 (USP, BP, Ph. Eur.) PRS-CODEX ... 333
146159 Polysorbate 60 (USP, BP, Ph. Eur.) PRS-CODEX ... 333
146226 Iron Sulphide natural powder PRS ... 242
146257 Light liquid Paraffin (USP, BP, Ph. Eur.) PRS-CODEX ... 255
146308 DL-Camphor natural (BP, Ph. Eur.) PRS-CODEX ... 113
146340 Nitroethane PRS ... 303
146392 Urea pearls PRS ... 476
146421 1,1,1-Trichloroethane (B.D.N.) PRS ... 462
146423 Carbon Tetrachloride (B.D.N.) PRS ... 116
14B099 L-Serine (USP, BP, Ph. Eur.) PRS-CODEX ... 375
14B216 Folic Acid (USP, BP, Ph. Eur.) PRS-CODEX ... 196
14B764 6-Aminohexanoic Acid (USP, BP, Ph. Eur.) PRS-CODEX ... 42

15 PS

151004 Acetamide, 99% PS ... 20
151005 Acetanilide, 99% PS ... 21
151014 Benzoic Acid, 99,5% PS ... 74
151041 Oxalic Acid 2-hydrate, 99% PS ... 307
151045 Salicylic Acid, 99% PS ... 374
151048 Picric Acid, 98% moistened with ~33% of H_2O PS ... 330
151050 Pyrogallic Acid, 99% PS ... 369
151057 Sulphanilic Acid, 99% PS ... 441
151067 Trichloroacetic Acid, 98% PS ... 462
151079 3-Methyl-1-Butanol, 98% PS ... 282
151081 Benzyl Alcohol, 99% PS ... 76
151083 4-Hydroxy-4-Methyl-2-Pentanone, 98% PS ... 233
151154 di-Phosphorus penta-Oxide, 98% PS ... 329
151156 Aniline, 99% PS ... 60
151157 Anilinium Chloride, 99% PS ... 60
151263 Copper(I) Cyanide, 98% PS ... 135
151289 Diethylene Glycol, 98% PS ... 156
151290 Di-Isobutylketone, 98% PS ... 160
151319 Ethyl (S)-(-)-Lactate, 98% PS ... 188
151330 Phthalimide, 98% PS ... 330
151339 Glycerol, 99% PS ... 206
151340 Glycine, 99% PS ... 208
151343 L-Glutamine, 99% PS ... 205
151346 Hexamethylenetetramine, 99% PS ... 214
151349 Hydrazinium Hydroxide 80% PS ... 220
151371 Isatin, 98% PS ... 242
151372 Isoamyl Acetate, 98% PS ... 242
151438 Naphthalene, 98% PS ... 293
151451 Paraformaldehyde, 95% PS ... 310
151470 Lead(II) Chloride, 99% PS ... 252
151545 1,2-Propanediol, 99% PS ... 361
151716 Sodium Sulphate anhydrous, 99% PS ... 414
151735 1,1,2,2-Tetrabromoethane, 98,5% PS ... 449
151741 1,3-Diphenylthiourea, 98% PS ... 172
151743 Thiourea, 98% PS ... 454
151770 Iodine mono-Bromide, 98% PS ... 238
151808 Citric Acid anhydrous, 99% PS ... 129
151815 Antimony(III) Chloride, 98% PS ... 61
151825 Copper(I) Oxide red, 95% PS ... 136
151859 Sodium Salicylate, 99% PS ... 412
151882 Maleic Acid, 99% PS ... 265
151884 1-Pentanol, 98% PS ... 314
151914 Hydroxylammonium Chloride, 99% PS ... 233
151925 Hydroxylammonium Sulphate, 99% PS ... 233
151937 Di-n-Butyl Phthalate, 99% PS ... 149
151945 Magnesium, 99% metal, filings PS ... 260
151949 Methyl Benzoate, 99% PS ... 281
151973 Ethyl Benzoate, 99% PS ... 182
152005 Copper(II) Bromide, 99% PS ... 134
152042 L-Glutamic Acid, 99% PS ... 205
152045 L-Histidine, 99% PS ... 218
152046 L-Leucine, 99% PS ... 255
152047 L-Phenylalanine, 99% PS ... 324
152048 Vanillin, 99% PS ... 477
152049 L-Tryptophan, 99% PS ... 474
152051 DL-Malic Acid, 99% PS ... 266
152077 L-Tyrosine, 99% PS ... 476
152085 Eucalyptol, 98% PS ... 189
152198 L-Histidine mono-Hydrochloride 1-hydrate, 99% PS ... 218
152320 Periodic Acid, 99% PS ... 317
152323 Chloramine T 3-hydrate, 98% PS ... 121
152342 Adipic Acid, 99% PS ... 33
152346 Nitrile tri-Acetic Acid, 98% PS ... 302
152365 Pyrocatechol, 98% PS ... 369
152366 Thiosemicarbazide, 98% PS ... 454
152594 Hydrazinium mono-Chloride, 99% PS ... 219
152595 Hydrazinium di-Chloride, 99% PS ... 220
152616 N-(Trimethylsilyl) Imidazole, 98% PS ... 471
152652 DL-Camphor, 95% synthetic PS ... 113
152757 Methyl Decanoate, 98% PS ... 283
152758 Methyl Octanoate, 98% PS ... 285
152759 Methyl Hexanoate, 98% PS ... 284
152760 Methyl Stearate, 98% PS ... 289
152761 Methyl Laurate, 98% PS ... 284
152762 Methyl Myristate, 98% PS ... 285
152763 Methyl Palmitate, 98% PS ... 285
152830 Gallic Acid 1-hydrate, 99% PS ... 202
152832 Selenium(IV) Oxide, 97% PS ... 374
152879 L-Threonine, 99% PS ... 455
152880 L-Isoleucine, 99% PS ... 245
152882 L-Methionine, 99% PS ... 279
152961 L(-)-Menthol, 99% PS ... 270
152963 Methyl Salicylate, 99% PS ... 289
153241 Hydrazinium mono-Bromide, 99% PS ... 219
153316 Trifluoroacetic Anhydride, 99% PS ... 469
153464 L-Arginine, 99% PS ... 63
153622 Tetrabutylammonium Hydrogen Sulphate, 98% PS ... 450
153645 L-Cystine, 98% PS ... 144
153856 5-Chlorcarvacrol, 97% PS ... 121
154406 Polysorbate 85 PS ... 334
154747 2-Bromo-2-Nitro-1,3-Propanediol, 98% PS ... 89
154764 L-Lysine mono-Hydrochloride, 99% PS ... 260
155044 L-Valine, 98% PS ... 477
155265 Allantoin, 98% PS ... 38
155398 1-Methoxy-2-Propanol, 99% PS ... 279
155494 1H-Indole-3-Butyric Acid, 99% PS ... 236
155584 Heptafluorobutyric Anhydride, 99% PS ... 210
155587 N-Methyl-N-(Trimethylsilyl) Trifluoroacetamide, 95% PS ... 289
155590 N-Methyl-Bis (Trifluoroacetamide), 97% PS ... 281
155600 N,N-Dimethylformamide-Dimethylacetal, 95% PS ... 166
155655 Acetylcholine Chloride, 98% PS ... 30
155769 1-Butane Sulphonic Acid Sodium Salt, 98% PS ... 96
156075 Polysorbate 80 PS ... 334
156092 Sorbitan Monopalmitate PS ... 419
156093 Sorbitan Tristearate PS ... 420
156094 Sorbitan Monooleate PS ... 419
156101 Sorbitan Monolaurate PS ... 419
156102 Sorbitan Monostearate PS ... 419
156156 Sorbitan Sesquioleate PS ... 419
156157 Sorbitan Trioleate PS ... 420
156158 Polysorbate 40 PS ... 333
156159 Polysorbate 60 PS ... 333
156160 Polysorbate 65 PS ... 334
156392 Urea pearls, 98,5% PS ... 476
156416 2-Methyltetrahydrofuran stabilized with ~300 ppm of BHT PS ... 289
15A007 Methyl 4-Hydroxyphenylacetate, 98% PS ... 284
15A010 3,4-Difluorobenzaldehyde, 98% PS ... 159
15A021 4-(Dimethylamino) Pyridine, 99% PS ... 163
15A024 Diethylene Glycol Diethyl Ether, 98% PS ... 156
15A029 Citrazinic Acid, 97% PS ... 129
15A030 4-Methylcyclohexanone, 98% PS ... 282
15A031 trans-4-Methylcyclohexylammonium Chloride, 98% PS ... 282
15A033 Crown Ether/15-Crown-5, 98% PS ... 138
15A034 Crown Ether/18-Crown-6, 98% PS ... 138
15A035 D-Valine, 99% PS ... 476
15A036 Epichlorohydrin, 98% PS ... 175
15A037 4'-Hydroxyacetophenone, 98% PS ... 231
15A038 Cyclopropylmethylketone, 98% PS ... 143
15A039 Dicyclopropylketone, 98% PS ... 155
15A040 Cyclopropylmethylamine, 96% PS ... 143
15A042 Cyclopropylmethanol, 98% PS ... 143
15A043 Bromomethylcyclopropane, 91% PS ... 88
15A044 Cyclopropyl Cyanide, 98% PS ... 143
15A046 Cyclopropanecarboxylic Acid, 98% PS ... 143
15A047 Methyl Cyclopropanecarboxilate, 98% PS ... 283
15A048 Cyclopropanecarbonyl Chloride, 95% PS ... 143
15A051 Sodium Hydride 60% mineral oil dispersion PS ... 394
15A054 Cyclopropyl Bromide, 98% PS ... 143
15A058 1-Bromo-2-Methylpropane, 99% PS ... 89
15A059 1-Chloronaphthalene, 93% PS ... 125
15A066 D-2-Methylbutyric Acid, 98% PS ... 282
15A068 2-Methyl-4-Nitroaniline, 98% PS ... 285
15A087 Cyclopentanol, 99% PS ... 142
15A090 Cyclopentanone, 99% PS ... 142
15A100 Triphosgene, 98% PS ... 471
15A106 Chlorotriisopropylsilane, 97% PS ... 126
15A109 2-Amino-5-Nitrothiazole, 97% PS ... 43
15A110 2-(Phenylthio) Ethanol, 98% PS ... 326
15A116 1,3-Propanediol, 98% PS ... 361
15A117 1,3-Propanedithiol, 98% PS ... 361
15A118 2-(2-Hydroxyethyl) Pyridine, 98% PS ... 232
15A121 2,2-Dimethoxypropane, 98% PS ... 162
15A127 2-Nitrobenzaldehyde, 99% PS ... 302
15A135 4-Methoxyphenol, 98% PS ... 279
15A136 4-Nitrophenyl Chloroformate, 95% PS ... 304
15A137 9-Anthracenemethanol, 98% PS ... 60
15A140 Acetylsalicyloyl Chloride, 98% PS ... 31
15A145 2-Nitrobenzyl Alcohol, 99% PS ... 302
15A146 4-Chlorobenzyl Alcohol, 98% PS ... 123
15A148 Chloroacetic Anhydride, 97% PS ... 121
15A155 Triphenylchloromethane, 98% PS ... 471
15A158 Dimethyl Carbonate, 99% PS ... 164
15A165 3-Hexanol, 98% PS ... 217
15A167 N-Acetyl-L-Cysteine, 98% PS ... 30
15A169 tert-Butyldimethylchlorosilane, 98% PS ... 100
15A175 Diethyl Malonate, 99% PS ... 158
15A178 Ethyl 4-Chloroacetoacetate, 98% PS ... 183
15A188 Allylmagnesium Chloride 2M in THF PS ... 38
15A190 4-Hydroxypiperidine, 98% PS ... 234
15A201 1,3-Cyclohexanedione, 98% stabilized with 3% sodium chloride PS ... 141
15A204 Methyl 4-Methoxybenzoate, 98% PS ... 284
15A206 Tetraethylammonium Bromide, 99% PS ... 451
15A211 Tetraoctylammonium Bromide, 98% PS ... 453
15A217 Benzylmagnesium Chloride 2M in THF PS ... 76
15A222 trans-4-Methylcyclohexyl Isocyanate, 98% PS ... 283
15A229 Trimethyloxonium tetra-Fluoroborate, 97% PS ... 470
15A235 Tetrabutylammonium Iodide, 98% PS ... 450
15A239 D(-)-Tartaric Acid, 99% PS ... 448
15A240 Diethyl D(-)-Tartrate, 99% PS ... 159
15A241 Diethyl L(+)-Tartrate, 99% PS ... 159
15A242 Diisopropyl D(-)-Tartrate, 98% PS ... 161
15A243 Diisopropyl L(+)-Tartrate, 98% PS ... 161
15A244 Titanium(IV) Isopropylate, 97% PS ... 457
15A251 2,3-Dichloro-5,6-Dicyano-1,4-Benzoquinone, 98% PS ... 150
15A259 Pyrrole, 98% PS ... 369
15A262 1H-Indole-3-Acetic Acid, 98% PS ... 236
15A299 Potassium Tellurite x-hydrate, 95,0% PS ... 359
15A304 3,5-Dimethylbenzoic Acid, 98% PS ... 164
15A308 4-Bromophenylhydrazinium Chloride, 96% PS ... 90
15A311 Cyanoacetic Acid, 98% PS ... 139
15A314 Aluminium Isopropylate, 98% PS ... 39
15A315 DL-Valine, 98% PS ... 476
15A317 Benzamide, 98% PS ... 70
15A324 Trimethylsilylacetylene, 98% PS ... 471
15A327 5-Nitroindole, 98% PS ... 303
15A330 Phthalic Acid, 99,5% PS ... 329
15A331 Palladium-Charcoal Activated (10% Pd) PS ... 308
15A333 2',4'-Difluoroacetophenone, 98% PS ... 159
15A337 4-Chlorocinnamic Acid, 99% PS ... 124
15A340 1-Bromo-4-Iodobenzene, 98% stabilized with copper PS ... 88
15A341 Potassium Hydrogen Difluoride, 99% PS ... 345
15A347 4-Chlorophenylhydrazinium Chloride, 98% PS ... 126
15A348 2-Amino-6-Methylpyridine, 98% PS ... 43
15A351 p-Tolylhydrazinium Chloride, 98% PS ... 461
15A352 4-Fluorocinnamic Acid, 98% PS ... 194
15A356 L-Ornithine Hydrochloride, 99% PS ... 306
15A363 Palladium-Charcoal Activated (5% Pd) PS ... 308
15A367 Triphenylphosphine, 99% PS ... 471
15A371 4-Aminoantipyrine, 98% PS ... 41
15A375 N-Z-L-Alanine, 98% PS ... 484
15A390 L-Lysine 1-hydrate, 98% PS ... 259
15A392 Ferrocene, 98% PS ... 190
15A406 3-Nitrophenol, 98% PS ... 303
15A414 N-Boc-L-Valine, 98% PS ... 81
15A428 1-Naphthaleneacetic Acid, 97% PS ... 293
15A437 3,4-Dihydroxybenzoic Acid, 98% PS ... 160
15A438 3,4-Dihydroxybenzaldehyde, 98% PS ... 160
15A441 5-Aminoquinoline, 98% PS ... 43
15A446 1-Hydroxybenzotriazole hydrate, 98% PS ... 231
15A448 N,N'-Diisopropylcarbodiimide, 98% PS ... 161
15A454 Di-tert-Butyl Dicarbonate, 98% PS ... 148
15A456 9-Fluorenylmethanol, 99% PS ... 191
15A457 N-(9-Fluorenylmethoxycarbonyloxy) Succinimide, 98% PS ... 191
15A460 Trifluoromethansulphonic Acid, 99% PS ... 470
15A467 N-Boc-D-Valine, 98% PS ... 81
15A469 N-Z-L-Valine, 99% PS ... 489
15A471 Polyphosphoric Acid PS ... 333
15A474 Tetrabutylammonium Borohydride, 97% PS ... 449
15A475 4-Aminophenol, 98% PS ... 43
15A476 D-Alanine, 98% PS ... 35
15A479 N-Boc-L-Alanine, 98% PS ... 80
15A480 N-α-BOC-L-Asparagine, 98% PS ... 80
15A481 N-Boc-L-Aspartic Acid, 98% PS ... 80
15A482 N-Boc-L-Glutamic Acid, 98% PS ... 80
15A483 N-Boc-Glycine, 98% PS ... 80
15A484 N-α-Boc-L-Histidine, 98% PS ... 80
15A485 N-Boc-L-Isoleucine 1/2-hydrate, 98% PS ... 80

15A486 N-Boc-L-Leucine 1-hydrate, 98% PS ... 80
15A488 N-Boc-L-Methionine, 98% PS ... 80
15A489 N-Boc-L-Phenylalanine, 98% PS ... 80
15A490 N-Boc-L-Proline, 98% PS ... 80
15A491 N-Boc-L-Serine hydrate, 98% PS ... 80
15A492 N-Boc-L-Threonine, 98% PS ... 81
15A493 N-α-Boc-L-Tryptophan, 98% PS ... 81
15A494 N-Boc-L-Tyrosine, 98% PS ... 81
15A505 tert-Butyl Acetate, 98% PS ... 99
15A507 2-Aminophenol, 98% PS ... 43
15A511 Isopropyl Palmitate, 90% PS ... 248
15A512 Propyl 4-Hydroxybenzoate, 99% PS ... 366
15A553 N-α-Z-L-Arginine, 98% PS ... 484
15A555 N-Z-L-Aspartic Acid, 98% PS ... 484
15A556 N-Z-L-Glutamic Acid, 98% PS ... 485
15A563 N-Z-L-Phenylalanine, 98% PS ... 489
15A564 N-Z-L-Proline, 98% PS ... 489
15A567 N-α-Z-L-Tryptophan, 98% PS ... 489
15A568 N-Z-L-Tyrosine hydrate, 98% PS ... 489
15A570 Boc-ON, 98% PS ... 80
15A571 Kojic Acid, 98% PS ... 249
15A581 γ-Butyrolactone, 99% PS ... 102
15A582 γ-Terpinene, 95% PS ... 449
15A583 (-)-Borneol, 98% PS ... 82
15A584 (±)-Linalool, 95% PS ... 256
15A585 α-Terpineol, 70% PS ... 449
15A586 1,1,3,3-Tetramethyldisiloxane, 97% PS ... 453
15A587 1,2,3,4-Tetrahydronaphthalene, 98% PS ... 452
15A588 1,2,4-Triazole Sodium Salt, 95% PS ... 461
15A591 1,3-Butanediol, 99% PS ... 95
15A592 1,3-Dichlorobenzene, 98% PS ... 150
15A593 1,3-Dimethylurea, 98% PS ... 168
15A595 1,3-Dioxolane, 99% stabilized with ~50 ppm BHT and ~100 ppm triethylamine PS ... 171
15A596 1,4-Benzoquinone, 99% PS ... 74
15A597 1,4-Butanediol, 99% PS ... 95
15A598 1,4-Dichlorobenzene, 99% PS ... 150
15A599 1,4-Naphthoquinone, 97% PS ... 294
15A600 1-Bromobutane, 98% PS ... 85
15A601 1-Bromoheptane, 98% PS ... 88
15A602 1-Bromohexane, 98% PS ... 88
15A603 1-Bromonaphthalene, 96% PS ... 89
15A604 1-Cyanoguanidine, 98% PS ... 139
15A608 1-Phenylsemicarbazide, 99% PS ... 326
15A609 1H-Benzotriazole, 99% PS ... 74
15A612 1-Naphthylamine, 99% PS ... 294
15A614 1-Octene, 97% PS ... 306
15A615 2,2,2-Trifluoroacetamide, 98% PS ... 469
15A617 2,3-Butanedione, 98% PS ... 95
15A618 2,4,6-Trichlorophenol, 98% PS ... 467
15A621 2,4-Dinitrotoluene, 96% PS ... 170
15A623 2,6-Dimethylpyridine, 98% PS ... 167
15A625 2-Amino-2-Methyl-1-Propanol, 95% PS ... 43
15A626 2-Bromo-2-Methylpropane, 97% stabilized with potassium carbonate PS ... 89
15A627 2-Bromoethylammonium Bromide, 99% PS ... 87
15A628 2-Chloroethanol, 99% PS ... 125
15A631 2-Phenoxyethanol, 99% PS ... 323
15A632 2-Hydroxybiphenyl, 98% PS ... 231
15A633 2-Methylbutyryl Chloride, 99% PS ... 282
15A634 2-Methylpyridine, 98% PS ... 287
15A636 2-Nitrophenol, 98% PS ... 303
15A637 3,4-Diaminopyridine, 98% PS ... 147
15A638 3,4-Dihydro-2H-Pyran, 98% PS ... 160
15A639 3,5-Dihydroxytoluene 1-hydrate, 99% PS ... 160
15A640 3,5-Dimethylphenol, 99% PS ... 166
15A641 3'-Aminobenzanilide, 99% PS ... 41
15A643 4-Allylanisole, 98% PS ... 38
15A644 4-Bromoacetanilide, 98% PS ... 83
15A647 4-Methyl-2-Pentanol, 97% PS ... 286
15A649 4-Methoxybenzaldehyde, 98% PS ... 279
15A650 4-Nitrobenzyl Bromide, 98% PS ... 302
15A652 4-tert-Butylpyrocatechol, 99% PS ... 102
15A653 4-Toluenesulphonyl Chloride, 98% PS ... 460
15A654 5-Isopropyl-2-Methylphenol, 97% PS ... 248
15A656 Acetaldehyde, 99% PS ... 20
15A657 Acetyl Bromide, 98% PS ... 30
15A661 2-Amino-5-Nitrobenzoic Acid, 97% PS ... 43
15A664 2-Furoic Acid, 98% PS ... 201
15A665 2-Methylbutyric Acid, 98% PS ... 282
15A668 4-Acetoxybenzoic Acid, 99% PS ... 29
15A669 4-Hydroxybenzoic Acid, 99% PS ... 231
15A670 4-Hydroxyphenylacetic Acid, 98% PS ... 233
15A671 Toluene-4-Sulphonic Acid 1-hydrate, 98% PS ... 460
15A672 5-Amino-2-Hydroxybenzoic Acid, 97% PS ... 42
15A673 Acrylic Acid, 99% stabilized with hydroquinone monomethyl ether PS ... 32
15A674 Benzilic Acid, 99% PS ... 73
15A676 Chlorosulphonic Acid, 98% PS ... 126
15A678 Dichloroacetic Acid, 98% PS ... 149
15A680 Phenylacetic Acid, 99% PS ... 324
15A682 Gibberellic Acid, 90% PS ... 203
15A683 Glycolic Acid ~ 65% PS ... 208
15A687 Methanesulphonic Acid 70% w/w PS ... 274
15A689 n-Butyric Acid, 99% PS ... 102
15A694 Pyridine 2,6-Dicarboxylic Acid, 98% PS ... 368
15A701 Acrylonitrile, 99% stabilized with hydroquinone mono-methyl ether PS ... 32
15A703 Allyl Alcohol, 99% PS ... 38
15A705 Stearyl Alcohol, 96% PS ... 438
15A706 Furfuryl Alcohol, 98% PS ... 201
15A707 Nickel-Aluminium alloy according to Raney PS ... 295
15A709 Aluminium Chloride anhydrous, 98% PS ... 39
15A713 Maleic Anhydride, 98% PS ... 265
15A714 Succinic Anhydride, 99% PS ... 439
15A716 Anisole, 99% PS ... 60
15A718 Anthraquinone, 98% PS ... 60
15A720 Sulphur Trioxide-Pyridine (Complex) PS ... 441
15A721 Barium Oxide, 97% PS ... 69
15A723 Benzil, 99% PS ... 73
15A724 Benzyl Acetate, 99% PS ... 75
15A726 Benzyl Chloride, 99% PS ... 76
15A728 Benzophenone, 99% PS ... 74
15A731 Benzoin, 99% PS ... 74
15A732 Benzonitrile, 99% PS ... 74
15A733 Bis (2-Ethylhexyl) Phthalate, 98% PS ... 78
15A734 Boron Trifluoride 14% in methanol PS ... 82
15A735 Boron Trifluoride-Diethyl Ether (complex) PS ... 82
15A737 Bromobenzene, 99% PS ... 84
15A738 Bromoethane, 99% PS ... 87
15A740 Bromotrichloromethane, 98% PS ... 91
15A742 Butyryl Chloride, 98% PS ... 102
15A743 Calcium, 98% metal, granules PS ... 105
15A747 Cyclohexene, 99% stabilized with ~100 ppm of BHT PS ... 142
15A748 Cyclohexylamine, 99% PS ... 142
15A749 Cinnamaldehyde, 98% PS ... 129
15A751 Chlorocyclopentane, 98% PS ... 124
15A754 Copper, 99% metal, turnings PS ... 133
15A758 Decahydronaphthalene, 98% isomers mixture PS ... 144
15A759 Decanoyl Chloride, 98% PS ... 145
15A760 Dicyclopentadiene, 90% stabilized with 100-200 ppm of tert-butylphenolene PS ... 155
15A763 Diethylketone, 99% PS ... 158
15A765 Diethylenetriamine, 98% PS ... 156
15A766 Diethyl Phthalate, 99% PS ... 158
15A767 Diethyl Oxalate, 98,5% PS ... 158
15A769 Biphenyl, 99% PS ... 77
15A770 Di-Isopropanolamine, 99% PS ... 161
15A771 Di-Isopropylamine, 99% PS ... 161
15A772 Dimethylamine solution 40% PS ... 163
15A774 Dimethyl Phthalate, 99% PS ... 166
15A775 Dimethyl Sulphate, 99% PS ... 167
15A777 Di-n-Butylamine, 99% PS ... 148
15A778 Dipropylene Glycol, 98% isomers mixture PS ... 172
15A779 Diiodomethane, 99% stabilized with copper PS ... 160
15A780 Styrene, 99% stabilized with 4-tert-Butyl Pyrocatechol PS ... 439
15A783 Diethylene Glycol mono-Butyl Ether, 98% PS ... 156
15A784 Diethylene Glycol mono-Ethyl Ether, 98% PS ... 156
15A786 Diethylene Glycol mono-Methyl Ether, 98% PS ... 156
15A790 Ethyl Acetoacetate, 98% PS ... 182
15A791 Ethyl Bromoacetate, 98% PS ... 182
15A792 Ethyl Nitrite 50% in ethanol 96% v/v PS ... 188
15A793 Ethyl Trifluoroacetate, 98% PS ... 189
15A794 Phenylacetylene, 97% PS ... 324
15A795 Phenylarsine Oxide, 95% PS ... 324
15A798 Formaldehyde Dimethylacetal , 98% PS ... 197
15A800 Phosphoryl Chloride, 99% PS ... 329
15A801 Phosphorus tri-Bromide, 98% PS ... 328
15A802 Phthalide, 99% PS ... 330
15A803 Fumaryl Chloride, 97% PS ... 201
15A805 Geraniol, 97% PS ... 203
15A806 Glyoxal solution 40% PS ... 208
15A807 Glutaraldehyde solution 50% PS ... 205
15A810 Hexanoyl Chloride, 98% PS ... 217
15A811 Hydrazinium Hydroxide 100% PS ... 220
15A813 Iron(III) Chloride anhydrous, 97% PS ... 240
15A816 Isoamyl Nitrite, 95% stabilized with ~0,5% of sodium carbonate anhydrous PS ... 242
15A817 Isobutyl Nitrite, 95% stabilized with ~0,5% of sodium carbonate anhydrous PS ... 244
15A818 Linalyl Acetate, 95% PS ... 256
15A820 Lithium, 99% metal, granulated ~2,5 mm diameter in Argon atmosphere PS ... 256
15A821 Lithium Aluminium Hydride, 95% in Argon atmosphere PS ... 256
15A822 Lithium Aluminium Hydride, 95% tablets in Argon atmosphere PS ... 256
15A823 Lithium Amide, 94% PS ... 256
15A825 Methylamine solution 40% w/w PS ... 280
15A826 Methyl Acrylate, 99% stabilized with ~50 ppm of M.E.H.Q. PS ... 280
15A828 Morpholinium Iodide, 99% PS ... 291
15A829 N,N'-Dicyclohexylcarbodiimide, 98% PS ... 155
15A833 N-Allylthiourea, 98% PS ... 38
15A834 N-Bromosuccinimide, 98% PS ... 90
15A835 n-Butyraldehyde, 99% PS ... 102
15A837 N-Ethyl Di-Isopropylamine, 98% PS ... 183
15A838 N-Hydroxyphthalimide, 98% PS ... 233
15A841 N-Methylmorpholine, 98% PS ... 285
15A842 N-Methyltrifluoroacetamide, 98% PS ... 289
15A843 o-Cresol, 99% PS ... 137
15A844 Octanoyl Chloride, 98% PS ... 305
15A846 Oxalyl Chloride, 98% PS ... 308
15A847 Palladium(II) Chloride anhydrous PS ... 309
15A848 p-Cresol, 98,5% PS ... 137
15A849 Piperazine anhydrous, 98% PS ... 330
15A852 Pyridinium 4-Toluenesulphonate, 99% PS ... 368
15A853 Platinum(IV) Oxide x-hydrate PS ... 331
15A854 Potassium Cyanate, 97% PS ... 340
15A856 Propanal, 98% PS ... 361
15A858 Propiophenone, 99% PS ... 366
15A859 Propionyl Chloride, 98% PS ... 366
15A861 p-Toluidine, 99% PS ... 461
15A862 Quinoline, 96% PS ... 370
15A865 Sodium, 99% metal, sticks in vaseline oil PS ... 379
15A868 Sodium Methylate solution ~30% in methanol PS ... 406
15A870 Succinimide, 99% PS ... 439
15A871 Sulphuryl Chloride, 98% PS ... 447
15A872 tert-Butyl Hydroperoxide solution 3M in isooctane PS ... 100
15A873 tert-Butyl Hydroperoxide aqueous solution ~70% PS ... 100
15A874 Tetrabutylammonium Bromide, 98% PS ... 449
15A875 Tetrabutylammonium Hexafluorophosphate, 98% PS ... 450
15A876 Tetrabutylammonium Hydroxide aqueous solution 20% w/w PS ... 450
15A879 Thionyl Chloride, 99% PS ... 454
15A882 Triethylene Glycol, 99% PS ... 468
15A883 Tri-n-Butylamine, 99% PS ... 461
15A884 Iodine mono-Chloride, 98% PS ... 238
15A885 Iodoethane, 98% stabilized with copper PS ... 238
15A886 Iodomethane, 99% stabilized with copper PS ... 238
15A887 Zinc Bromide, 98% PS ... 485
15A891 3,5-Dinitrobenzoyl Chloride, 98% PS ... 169
15A894 n-Butyl Nitrite, 97% stabilized with ~0,5% of sodium carbonate anhydrous PS ... 102
15A914 D(+)-Malic Acid, 99% PS ... 265
15A915 Pyruvic Acid, 98% PS ... 370
15A916 2-Phenylbutyric Acid, 98% PS ... 325
15A918 2-Bromopropane, 99% PS ... 90
15A920 1-Bromopentane, 99% PS ... 89
15A921 3-Nitroaniline, 98% PS ... 302
15A922 4-Nitroaniline, 98% PS ... 302
15A923 2-Phenylethyl Acetate, 98% PS ... 325
15A926 2-Aminopyridine, 98% PS ... 43
15A953 4-Bromobiphenyl, 98% PS ... 85
15A961 2-Fluorobenzoic Acid, 98% PS ... 192
15A977 Bromoacetic Acid, 99% PS ... 83
15A985 Benzyltributylammonium Chloride, 99% PS ... 77
15A986 Benzyltriethylammonium Chloride, 99% PS ... 77
15A988 Benzyltrimethylammonium Chloride, 99% PS ... 77
15B002 Dextrin Yellow PS ... 147
15B003 Diethyl Sulphate, 99% PS ... 159
15B018 Phthalimide Potassium Salt, 98% PS ... 330
15B037 Pyrrolidine, 99% PS ... 369
15B060 Tetramethylammonium Chloride, 98% PS ... 453
15B089 L-Asparagine 1-hydrate, 99% PS ... 65
15B097 N-Fmoc-L-Alanine, 98% PS ... 195
15B099 L-Serine, 99% PS ... 375
15B104 N-α-Fmoc-L-Arginine, 98% PS ... 195
15B105 N-α-Fmoc-L-Asparagine, 98% PS ... 195
15B106 N-Fmoc-L-Aspartic Acid, 98% PS ... 195
15B107 N-α-Fmoc-L-Glutamine, 98% PS ... 195
15B108 N-Fmoc-Glycine, 98% PS ... 195
15B109 N-Fmoc-L-Isoleucine, 98% PS ... 195
15B110 N-Fmoc-L-Leucine, 98% PS ... 195
15B111 N-Fmoc-L-Methionine, 98% PS ... 195
15B112 N-Fmoc-L-Phenylalanine, 98% PS ... 195
15B113 N-Fmoc-L-Proline, 98% PS ... 195
15B114 N-Fmoc-L-Serine, 98% PS ... 195
15B115 N-Fmoc-L-Threonine 1-hydrate, 98% PS ... 195
15B116 N-α-Fmoc-L-Tryptophan, 98% PS ... 195
15B117 N-Fmoc-L-Tyrosine, 98% PS ... 195
15B118 N-Fmoc-L-Valine, 98% PS ... 196
15B121 Palladium 5% on Calcium Carbonate, poisoned with lead PS ... 308
15B127 Phenylmagnesium Bromide 1,2M in THF PS ... 325
15B144 DL-Mandelic Acid, 99% PS ... 266
15B159 Phenylarsonic Acid, 97% PS ... 324
15B183 Methyl Nicotinate, 99% PS ... 285
15B187 Imidazolidinyl Urea, 26-28% (in N) PS ... 235
15B195 Pyrrole-2-Carboxaldehyde, 98% PS ... 369
15B198 N-Iodosuccinimide, 98% PS ... 239
15B200 Bis (Pyridine) Iodonium Tetrafluoroborate PS ... 79
15B205 Trimethyl Phosphate, 99% PS ... 470
15B216 Folic Acid, 97% PS ... 196
15B229 2-Iodoaniline, 98% PS ... 238
15B231 4-Iodoaniline, 98% PS ... 238
15B232 2-Fluoroaniline, 99% PS ... 192
15B233 3-Fluoroaniline, 99% PS ... 192
15B234 4-Fluoroaniline, 99% PS ... 192
15B235 2-Bromoaniline, 98% PS ... 84
15B241 2-Fluoroanisole, 99% PS ... 192
15B243 3-Bromoanisole, 98% PS ... 84
15B247 1-Iodobutane, 98% stabilized with copper PS ... 238
15B248 2-Iodobutane, 98% stabilized with copper PS ... 238
15B249 1-Iodopropane, 98% stabilized with copper PS ... 239
15B272 3-Fluorophenol, 99% PS ... 194
15B275 3-Bromophenol, 98% PS ... 89
15B276 2-Bromophenol, 98% PS ... 89
15B277 4-Bromophenol, 98 % PS ... 90
15B278 3-Chlorophenol, 98% PS ... 126
15B282 2-Fluorobenzaldehyde, 97% PS ... 192
15B283 3-Fluorobenzaldehyde, 99% PS ... 192
15B284 4-Fluorobenzaldehyde, 99% PS ... 192
15B289 3-Bromobenzaldehyde, 97% PS ... 84
15B290 4-Bromobenzaldehyde, 99% PS ... 84
15B291 2-Chlorobenzaldehyde, 99% PS ... 121
15B292 3-Chlorobenzaldehyde, 99% PS ... 122
15B294 2-Fluorobenzonitrile, 98% PS ... 192
15B295 3-Fluorobenzonitrile, 98% PS ... 193
15B296 4-Fluorobenzonitrile, 99% PS ... 193
15B301 4-Bromobenzonitrile, 99% PS ... 84
15B303 2-Fluorotoluene, 99% PS ... 195
15B309 2-Bromotoluene, 98% PS ... 91
15B311 4-Bromotoluene, 98% PS ... 91
15B326 1-Bromononane, 98% PS ... 89
15B327 2-Bromonaphthalene, 97% PS ... 89
15B344 2'-Fluoroacetophenone, 97% PS ... 191
15B345 3'-Fluoroacetophenone, 98% PS ... 191
15B346 4'-Fluoroacetophenone, 98% PS ... 192
15B348 3'-Bromoacetophenone, 98% PS ... 84
15B349 4'-Bromoacetophenone, 98% PS ... 84
15B352 2-Fluorobenzyl Chloride, 98% PS ... 193
15B353 3-Fluorobenzyl Chloride, 97% PS ... 194
15B354 4-Fluorobenzyl Chloride, 99% PS ... 194
15B355 2-Fluorobenzyl Bromide, 98% PS ... 193
15B356 3-Fluorobenzyl Bromide, 98% PS ... 193
15B357 4-Fluorobenzyl Bromide, 97% PS ... 193
15B364 2-Bromobenzyl Bromide, 98% PS ... 85
15B365 3-Bromobenzyl Bromide, 99% PS ... 85
15B366 4-Bromobenzyl Bromide, 98% PS ... 85
15B367 3-Bromobenzyl Chloride, 99% PS ... 85
15B371 2-Fluorobenzoyl Chloride, 98% PS ... 193
15B372 3-Fluorobenzoyl Chloride, 98% PS ... 193
15B374 2-Chlorobenzoyl Chloride, 98% PS ... 123
15B375 3-Chlorobenzoyl Chloride, 98% PS ... 123
15B377 2-Bromobenzoyl Chloride, 98% PS ... 85
15B378 3-Bromobenzoyl Chloride, 98% PS ... 85
15B379 4-Bromobenzoyl Chloride, 98% PS ... 85
15B382 2-Fluorophenylhydrazinium Chloride, 97% PS ... 194
15B383 3-Fluorophenylhidrazinium Chloride, 97% PS ... 194
15B384 4-Fluorophenylhydrazinium Chloride, 97% PS ... 194
15B389 2-Fluorobenzylamine, 97% PS ... 193
15B390 3-Fluorobenzylamine, 97% PS ... 193
15B391 4-Fluorobenzylamine, 97% PS ... 193
15B392 2-Chlorobenzylamine, 97% PS ... 123
15B393 3-Chlorobenzylamine, 98% PS ... 123
15B394 4-Chlorobenzylamine, 98% PS ... 123
15B406 3-Fluoroanisole, 99% PS ... 192
15B410 2-Fluoroacetamide, 98% PS ... 191
15B415 2'-Fluoroacetanilide, 98% PS ... 191
15B416 3'-Fluoroacetanilide, 98% PS ... 191
15B417 4'-Fluoroacetanilide, 98% PS ... 191
15B445 Iodotrimethylsilane, 98% PS ... 239
15B453 1-Bromo-4-Chlorobutane, 98% PS ... 85
15B458 1-Bromo-3-Fluorobenzene, 98% PS ... 88
15B481 Menadione Sodium Disulphite 3-hydrate, 95% PS ... 270

15B482 2,3-Dibromopropionic Acid, 98% PS ... 148
15B483 Ammonium Lactate solution 70% w/w PS ... 55
15B501 4-Methoxybenzoic Acid, 99% PS ... 279
15B512 L-Cysteine, 99% PS ... 143
15B516 1-Fluoro-4-Nitrobenzene, 99% PS ... 194
15B523 1,3-Dimethyl-2-Imidazolidinone, 98% PS ... 166
15B530 1-Adamantanol, 99% PS ... 32
15B547 2,4-Difluoroaniline, 99% PS ... 159
15B554 2,6-Dichlorobenzonitrile, 97% PS ... 150
15B558 2-Acetyl-6-Methoxynaphthalene, 98% PS ... 30
15B559 2-Adamantanone, 98% PS ... 32
15B560 2-Amino-2',5-Dichlorobenzophenone, 99% PS ... 42
15B563 2-Amino-4-Nitrophenol, 98% PS ... 43
15B564 2-Amino-5-Chlorobenzoic Acid, 98% PS ... 42
15B565 2-Amino-5-Fluorobenzoic Acid, 97% PS ... 42
15B568 2-Amino-6-Chloropurine, 99% PS ... 42
15B569 2-Amino-6-Methoxybenzothiazole, 98% PS ... 42
15B571 2-Aminobenzothiazole, 97% PS ... 41
15B577 2-Bromobenzoic Acid, 99% PS ... 84
15B584 2-(Dimethylamino) Isopropyl Chloride Hydrochloride, 98% PS ... 163
15B585 1-Fluoro-2-Nitrobenzene, 99% PS ... 194
15B588 2-Hydroxyisobutyric Acid, 99% PS ... 232
15B604 3,5-Dihydroxybenzoic Acid, 99% PS ... 160
15B611 3-Chloro-4-Fluoroaniline, 98% PS ... 125
15B616 3-(Trifluoromethyl) Phenol, 98% PS ... 470
15B626 4-Aminobenzoic Acid, 99% PS ... 41
15B629 4-Benzoylbiphenyl, 98% PS ... 74
15B633 4-Chloro-3,5-Dinitrobenzoic Acid, 99% PS ... 125
15B634 4-Chlorobenzenesulfonyl Chloride, 97% PS ... 123
15B635 4-Chlorobenzophenone, 99% PS ... 123
15B639 4-Fluorothiophenol, 98% PS ... 195
15B641 4-Hydroxibenzyl Alcohol, 99% PS ... 231
15B642 4-Hydroxyphenylacetamide, 99% PS ... 233
15B654 5-Bromoindole, 99% PS ... 88
15B656 5-Chloro-2-Benzoxazolone, 98% PS ... 123
15B668 Acetamidinium Chloride, 98% PS ... 20
15B669 Adamantane, 98% PS ... 32
15B672 Benzoin Ethyl Ether, 99% PS ... 74
15B675 Cystaminium Dichloride, 99% PS ... 143
15B686 Fluorene, 98% PS ... 191
15B687 Formamidinium Acetate, 99% PS ... 198
15B689 Guanine, 99% PS ... 209
15B690 Hydantoin, 99% PS ... 219
15B691 Hypoxanthine, 99% PS ... 234
15B692 Iminodibenzyl, 99% PS ... 235
15B695 myo-Inositol, 99% PS ... 236
15B699 Malonamide, 99% PS ... 266
15B711 N-(Benzyloxycarbonyloxy) Succinimide, 98% PS ... 77
15B718 1-Methylpiperazine, 98% PS ... 286
15B747 S(+)-2-Amino-1-Butanol, 98% PS ... 41
15B764 6-Aminohexanoic Acid, 99% PS ... 42
15B831 1,3-Difluoro-4-Nitrobenzene, 98% PS ... 159
15B834 1,3-Dichloro-4-Fluorobenzene, 99% PS ... 152
15B852 Sodium Malonate, 99% PS ... 406
15B853 3-Pyridinesulphonic Acid, 98% PS ... 368
15B871 Taurine, 99% PS ... 449
15B876 3,4-Dimethoxybenzonitrile, 98% PS ... 162
15B958 1,2-Difluoro-4-Nitrobenzene, 98,5% PS ... 159
15B992 4-Acetylbenzoic Acid, 98% PS ... 30
15B993 4-Benzyloxybenzaldehyde, 98% PS ... 76
15B994 4-Bromo-3-Nitrotoluene, 98% PS ... 89
15B996 4-Chlorostyrene, 98% PS ... 126
15B997 3-Cyanobenzaldehyde, 98% PS ... 139
15B999 Diethyl Suberate, 98% PS ... 159
15C000 Di-n-Heptyl Phthalate, 98% PS ... 159
15C001 2,5-Dimethylbenzoic Acid, 98% PS ... 164
15C003 Ethyl Phenoxyacetate, 98% PS ... 188
15C004 Methyl 3-Aminobenzoate, 98% PS ... 280
15C006 1-(4-Morpholino) Cyclohexene, 98% PS ... 292
15C007 5-Nitrosalicylaldehyde, 98% PS ... 304
15C008 4-Pentylbenzoyl Chloride, 98% PS ... 314
15C010 2',4',6'-Trimethylacetophenone, 98% PS ... 470
15C011 3-Bromo-1,2-Dimethylbenzene, 99% PS ... 87
15C012 4-Bromo-2-Fluoroaniline, 98% PS ... 87
15C017 3-Bromo-1,2-Dichlorobenzene, 98% PS ... 87
15C020 4-Bromo-1,2-Dichlorobenzene, 98% PS ... 87
15C022 4-Bromo-2,6-Dimethylaniline, 98% PS ... 87
15C027 2-Bromo-5-Fluorotoluene, 98% PS ... 88
15C028 4-Bromo-1,3-Dichlorobenzene, 98% PS ... 87
15C033 2-Chlorobenzyl Alcohol, 99% PS ... 123
15C034 2-Chloro-4-Fluorobenzaldehyde, 97% PS ... 125
15C035 1,3-Dibromobenzene, 97% PS ... 148
15C036 Dimethyl Fumarate, 98% PS ... 166
15C042 3',4'-Difluoroacetophenone, 98% PS ... 159
15C043 3',4'-Dichloroacetophenone, 98% PS ... 149
15C054 Ethyl 3-Iodobenzoate, 99% stabilized with copper PS ... 188
15C057 3'-Fluoro-4'-Methoxyacetophenone, 99% PS ... 194
15C060 4'-Methylacetanilide, 98% PS ... 279
15C061 3-Methoxy-4-Methylbenzoic Acid, 96% PS ... 279
15C071 SPADNS PS ... 421
15C073 Cholic Acid Sodium Salt, 98% PS ... 127
15C074 2-Methylfuran, 99% PS ... 284
15C075 3,4-Dichlorobenzaldehyde, 98% PS ... 149
15C076 3,5-Bis (Trifluoromethyl) Benzaldehyde, 98% PS ... 79
15C077 3-Bromo-4-Fluorobenzaldehyde, 98% PS ... 87
15C079 3-Fluoro-4-Methoxybenzaldehyde, 98% PS ... 194
15C080 3-(Trifluoromethyl) Benzaldehyde, 98% PS ... 470
15C081 4-(Trifluoromethoxy) Benzaldehyde, 98% PS ... 470
15C082 4-Bromo-2-Fluorobenzaldehyde, 96% PS ... 87
15C083 4-Chloro-2-Fluorobenzaldehyde, 99% PS ... 125
15C085 5-Bromo-2-Fluorobenzaldehyde, 98% PS ... 88
15C086 3,5-Difluorobenzaldehyde, 98% PS ... 159
15C098 N-(Phosphonomethyl) Glycine, 95% PS ... 327
15C136 2-Chlorocinnamic Acid, 99% PS ... 124
15C137 2-Nitrocinnamic Acid, 98% PS ... 303
15C138 2-Bromocinnamic Acid, 98% PS ... 86
15C139 2,3-Dimethoxycinnamic Acid, 97% PS ... 162
15C140 3,4-Dichlorocinnamic Acid, 97% PS ... 150
15C141 3-Chlorocinnamic Acid, 99% PS ... 124
15C142 3-Nitrocinnamic Acid, 99% PS ... 303
15C143 3-Bromocinnamic Acid, 98% PS ... 86
15C144 2,5-Dimethoxycinnamic Acid, 99% PS ... 162
15C145 Caffeic Acid, 99% PS ... 104
15C147 4-Nitrocinnamic Acid, 97% PS ... 303
15C148 4-Bromocinnamic Acid, 99% PS ... 86
15C198 Coumarin, 97% PS ... 137
15C201 Methyl 2-Aminobenzoate, 99% PS ... 280
15C275 2,4-Dimethylquinoline, 97% PS ... 167
15C319 Heptanoyl Chloride, 98,5% PS ... 212
15C337 Diethylene Glycol mono-Butyl Ether Acetate, 98% PS ... 156
15C357 1,1,3,3-Tetramethylurea, 99% PS ... 453
15C358 tert-Butylamine, 98% PS ... 100
15C362 1,1,1,2,3,4,4,5,5,5-Decafluoropentane, 99,5% PS ... 144
15C384 (1S,2S)-Diaminocyclohexane, ≤2% cis, ee ≥ 96% ... 493
15C385 (1R,2R)-Diaminocyclohexane, ≤2% cis, ee ≥ 96% ... 493
15C392 3,3'-Thiodipropionic Acid, 99% PS ... 454
15C413 (S)-2-Aminosuberic Acid ... 492
15C422 D,L-2-Aminosuberic Acid ... 492
15C477 (S)-1,1,2-Triphenyl-1,2-Ethanediol ... 494
15C478 (R)-1,1,2-Triphenyl-1,2-Ethanediol ... 494
15C506 Heptanoic Acid, 98,5% PS ... 212
15C516 (1S,2S)-Diaminocyclohexane, ≤0,1% cis, ee ≥ 99,8% ... 493
15C517 (1R,2R)-Diaminocyclohexane, ≤0,1% cis, ee ≥ 99,8% ... 492
15C588 Z-D-N-MeLeu-OH ... 494
15C668 (1S,2S)-Diaminocyclohexane, ≤0,5% cis, ee ≥ 99% ... 493
15C671 (1R,2R)-Diaminocyclohexane, ≤0,5% cis, ee ≥ 99% ... 493
15C686 (S)-2-Piperidino-1,1,2-Triphenylethanol ... 494
15C687 (R)-2-Piperidino-1,1,2-Triphenylethanol ... 493
15C688 (S)- 2-Amino-1,1,2-Triphenylethanol ... 492
15C689 (R)- 2-Amino-1,1,2-Triphenylethanol ... 492
15C690 (1R, 2S)-2-Phenyl-1-Cyclohexanol ... 493
15C691 (1S, 2R)-2-Phenyl-1-Cyclohexanol ... 493
15C692 (3aR*, 4R*, 7S*, 7aS*)-3a, 4, 7, 7a-Tetrahydro-2-(Trimethylsilyl)-4,7-Methano-1H-Inden-1-one ... 494
15C693 (2R)-3,6-Dihydro-2H-Pyridine-1,2-Dicarboxylic Acid 1-tert-Butyl Ester ... 493
15C694 (2S)-3,6-Dihydro-2H-Pyridine-1,2-Dicarboxylic Acid 1-tert-Butyl Ester ... 493
15C695 (S)-(3-Benzenesulfonyl-1-Phenylallyl)-Carbamic Acid tert-Butyl Ester ... 492
15C696 (R)-(3-Benzenesulfonyl-1-Phenylallyl)-Carbamic Acid tert-Butyl Ester ... 492
15C697 (R) tert-Butoxycarbonylamino-(2,4,6-Trimethylphenyl)-Acetic Acid ... 492
15C698 (S) tert-Butoxycarbonylamino-(2,4,6-Trimethylphenyl)-Acetic Acid ... 492
15C699 (S, S)- 2-(2,2-Diphenyl-[1,3]-Dioxolan-4-yl)-Piperidine ... 493
15C700 (R, R)- 2-(2,2-Diphenyl-[1,3]-Dioxolan-4-yl)-Piperidine ... 493
15C701 (S)-Boc-2-Aminosuberic Acid ... 492
15C702 (S)-Fmoc-2-Aminosuberic Acid ... 492
15C703 Fmoc-L-2-Aminosuberic Acid, 8-tert-Butyl Ester ... 492
15C704 (S)-Triphenyloxirane ... 494
15C705 (R)-Triphenyloxirane ... 494
15C706 (R)-2-Aminosuberic Acid ... 492
15C707 (3aS, 4S, 7R, 7aR)-3a, 4, 7, 7a-Tetrahydro-2-(Trimethylsilyl)-4,7-Methano-1H-Inden-1-one ... 494
15C708 S-2-Aminobutyramide Hydrochloride ... 492
15C709 (3aR, 4R, 7S, 7aS)-3a, 4, 7, 7a-Tetrahydro-2-(Trimethylsilyl)-4,7-Methano-1H-Inden-1-one ... 494

16 PS

161007 Acetone, 99,5% PS ... 26
161008 Acetic Acid glacial, 99,5% PS ... 22
161038 Nitric Acid fuming PS ... 297
161056 Sulphamic Acid, 99% PS ... 440
161082 1-Butanol, 99,5% PS ... 97
161086 Ethanol absolute, 99,5% PS ... 177
161089 Isobutanol, 99% PS ... 243
161090 2-Propanol, 99,7% PS ... 364
161091 Methanol, 99,5% PS ... 278
161147 Acetic Anhydride, 98% PS ... 24
161155 Phthalic Anhydride, 98% PS ... 330
161192 Benzene, 99,8% PS ... 71
161194 2-Naphthol, 99% PS ... 293
161199 Bromine, 99% PS ... 83
161201 Bromoform, 99% stabilized with ~1% of ethanol PS ... 88
161202 n-Butyl Acetate, 99% PS ... 99
161244 Carbon Disulphide, 99,5% PS ... 114
161250 Cyclohexane, 99,5% PS ... 141
161252 Trichloromethane, 99% stabilized with ethanol PS ... 466
161254 Dichloromethane, 99,8% stabilized with amylene PS ... 154
161260 Cyclohexanol, 99% PS ... 141
161265 Copper(I) Chloride, 95% PS ... 134
161277 Hexamethylenediamine, 99% PS ... 213
161286 1,2-Dichloroethane, 99,5% PS ... 151
161287 Diethanolamine, 98% PS ... 155
161288 Diethylamine, 99,5% PS ... 155
161293 4-(Dimethylamino) Benzaldehyde, 99% PS ... 163
161294 N,N-Dimethylaniline, 99% PS ... 164
161296 1,4-Dioxan, 99,5% stabilized with ~25 ppm of BHT PS ... 171
161314 Di-Isopropyl Ether, 99% stabilized with ~50 ppm of BHT PS ... 161
161315 Petroleum Ether 40-60°C PS ... 319
161316 Ethylene Glycol, 99% PS ... 186
161317 Ethylene Glycol mono-Ethyl Ether, 99% PS ... 186
161318 Ethyl Acetate, 99,5% PS ... 182
161334 Furfural, 98% stabilized with ~0,1% of BHT PS ... 201
161345 Heptane, alkanes mixture PS ... 212
161347 Hexane, 95% alkanes mixture PS ... 217
161351 Hydroquinone, 99% PS ... 231
161352 8-Hydroxyquinoline, 99% PS ... 234
161373 Isobutyl Acetate, 99% PS ... 243
161374 Isopropyl Acetate, 99% PS ... 247
161429 Butanone, 99,5% (Methylethylketone) PS ... 98
161430 4-Methyl-2-Pentanone, 99% PS ... 286
161435 Morpholine, 98% PS ... 291
161447 Nitrobenzene, 99% PS ... 302
161455 Tetrachloroethylene, 99,5% PS ... 451
161457 Pyridine, 99% PS ... 367
161539 Potassium O-Ethyldithiocarbonate, 98% PS ... 343
161603 Resorcinol, 99% PS ... 371
161708 Sodium Peroxide, 95% granulated PS ... 410
161745 Toluene, 99,5% PS ... 459
161749 Trichloroethylene, 99% stabilized with ethanol PS ... 463
161750 Triethanolamine, 98% PS ... 468
161769 Xylene, 98,5% mixture of isomers PS ... 482
161785 N,N-Dimethylformamide, 99,8% PS ... 165
161810 Propionic Acid, 99% PS ... 365
161828 Diphenylamine, 98% PS ... 171
161869 Ethylenediamine, 99% PS ... 183
161877 1-Dodecanol, 98% PS ... 173
161880 2,4-Pentanedione, 99% PS ... 313
161881 Acetonitrile, 99,7% PS ... 29
161883 Succinic Acid, 99% PS ... 439
161885 1-Propanol, 99,5% PS ... 362
161887 Benzaldehyde, 99% PS ... 70
161890 Cyclohexanone, 99,5% PS ... 142
161892 1,2-Dichlorobenzene, 98% PS ... 150
161897 Ethylene Glycol mono-Methyl Ether, 99% PS ... 187
161903 2-Methyl-2-Propanol, 99,7% PS ... 287
161924 Ethanolamine, 99% PS ... 180
161953 Chlorobenzene, 99,5% PS ... 123
161954 Dimethyl Sulphoxide, 99,5% PS ... 168
161955 o-Toluidine, 99% PS ... 460
161956 Formamide, 98% PS ... 198
161959 Alkylbenzyldimethylammonium Chloride, 98% PS ... 37
161970 Nitromethane, 98% PS ... 303
161977 Sodium Chlorite solution 25% w/w PS ... 388
162021 2-Ethyl-1-Hexanol, 99% PS ... 188
162023 Methyl Acetate, 99% PS ... 280
162031 4-Nitrophenol, 98% PS ... 304
162034 L-Aspartic Acid, 99% PS ... 65
162043 L-Alanine, 99% PS ... 36
162050 Tween® 80 PS ... 475
162054 N-Cetyl-N,N,N-Trimethylammonium Bromide, 99% PS ... 120
162058 1,3-Dinitrobenzene, 98% PS ... 168
162062 n-Heptane, 99% PS ... 211
162064 Isooctane, 99% PS ... 246
162065 Indole, 99% PS ... 236
162096 Acetyl Chloride, 98% PS ... 30
162295 Benzidine, 99% PS ... 73
162312 Tween® 20 PS ... 475
162325 2,4-Dinitrophenylhydrazine, 99% moistened with ~33% of H_2O PS ... 169
162344 Fumaric Acid, 99% PS ... 201
162345 Palmitic Acid, 98% PS ... 309
162357 Benzoyl Peroxide, 98% humidified with ~25% of H_2O PS ... 75
162368 Lauric Acid, 99% PS ... 252
162371 2,2'-Bipyridine, 99% PS ... 78
162376 Phenylhydrazine, 98% PS ... 325
162377 Piperidine, 99% PS ... 331
162434 Polyethylene Glycol 200 PS ... 331
162435 Polyethylene Glycol 300 PS ... 331
162436 Polyethylene Glycol 400 PS ... 332
162438 Polyethylene Glycol 4000 flakes PS ... 332
162439 Polyethylene Glycol 6000 flakes PS ... 332
162441 Anthrone, 98% PS ... 61
162442 1-Chloro-2,4-Dinitrobenzene, 98% PS ... 125
162443 2,4-Dinitrophenol, 98% moistened with ~33% of H_2O PS ... 169
162445 2-Chlorophenol, 99% PS ... 126
162525 Polyethylene Glycol 1500 PS ... 332
162536 Imidazole, 99% PS ... 234
162589 Hexanoic Acid, 98% PS ... 217
162590 Stearic Acid, 98% PS ... 437
162591 Myristic Acid, 98% PS ... 292
162645 2-Aminobenzoic Acid, 99% (Anthranilic Acid) PS ... 41
162712 Sodium Azide, 99% PS ... 381
162720 Benzoyl Chloride, 99% PS ... 75
162764 Semicarbazide Hydrochloride, 99% PS ... 375
162767 o-Xylene, 99% PS ... 483
162768 m-Xylene, 98,5% PS ... 483
162769 p-Xylene, 99% PS ... 484
162770 Diethyl Ether, 99,7% stabilized with ~6 ppm of BHT PS ... 158
162776 Chlorotrimethylsilane, 98% PS ... 127
162785 Decanoic Acid, 98% PS ... 144
162786 Octanoic Acid, 99% PS ... 305
162802 Methylcyclohexane, 99% PS ... 282
162825 2,6-Di-tert-Butyl-4-Methylphenol, 98% PS ... 149
162836 3,5-Dinitrobenzoic Acid, 98% PS ... 169
162837 3,5-Dinitrosalicylic Acid, 98% PS ... 169
162842 4-Bromoaniline, 98% PS ... 84
162855 1-Naphthol, 99% PS ... 293
163054 Ethylbenzene, 99% PS ... 182
163080 1-Methyl-2-Pyrrolidone, 99% PS ... 288
163101 Trichloromethane, 99,9% stabilized with ~50 ppm of amylene PS ... 464
163143 Cetyl Alcohol, 97% PS ... 119
163145 N,N-Dimethylacetamide, 99% PS ... 163
163242 n-Hexane 95% PS ... 216
163258 Trimethyl Borate azeotrope with methanol 70:30 PS ... 470
163266 1,1,2-Trichlorotrifluoroethane, 99,8% (E.U.) PS ... 468
163309 Acrylamide, 99% PS ... 32
163312 tert-Butyl Methyl Ether, 99,5% PS ... 101
163314 Sodium Borohydride, 96% PS ... 383
163317 Trifluoroacetic Acid, 99% PS ... 469
163325 Polyethylene Glycol 6000 powder PS ... 332
163385 D(+)-Limonene, 95% PS ... 255
163386 1-Octanol, 99% PS ... 305
163389 Nicotinic Acid, 99% PS ... 297
163410 White Spirit PS ... 480
163520 n-Octane, 99% PS ... 304
163537 Tetrahydrofuran, 99,5% stabilized with ~300 ppm of BHT PS ... 452
163541 1,2,4-Trichlorobenzene, 98,5% PS ... 462
163542 Triethylamine, 99,5% PS ... 468
163543 2-Ethylhexanoic Acid, 99% PS ... 187
163646 L-Proline, 99% PS ... 361
163648 Cobalt(II) Chloride anhydrous, 99% PS ... 131
163675 Dichloromethane, 99,8% stabilized with ~0,2% of ethanol PS ... 154
163712 Isopropyl Myristate, 98% PS ... 248
163851 2-Butanol, 99% PS ... 97
163857 Glutaraldehyde solution 25% PS ... 205
163925 Polyethylene Glycol 600 PS ... 332
163966 Lithium, 99% metal, sticks 1 cm diam. in vaseline oil PS ... 256
164202 Copper(I) Iodide, 99% PS ... 135
164333 Acetophenone, 98% PS ... 29
164343 1-Chlorobutane, 99% PS ... 124
164446 1,1,2,2-Tetrachloroethane, 98% PS ... 450
164462 n-Pentane 95% PS ... 313

164468 Ethylene Glycol di-Methyl Ether, 99% PS ... 187
164527 2,2,2-Trifluoroethanol, 99% PS ... 469
164541 Methyl Formate, 97% PS ... 283
164720 Benzyl Benzoate, 99% PS ... 76
164852 Phenol crystallized, 99% (detached crystals) PS ... 322
164887 Thioacetamide, 98% PS ... 453
165226 4-Chloro-3-Methylphenol, 99% PS ... 125
165261 Isohexane, 95% PS ... 244
165301 Cacodylic Acid Sodium Salt 3-hydrate, 98% PS ... 102
165306 Platinum(IV) Chloride anhydrous, 98% PS ... 331
165348 Propylene Carbonate, 99% PS ... 366
165521 Di-n-Butyl Ether, 99% PS ... 148
165599 Hexamethyldisilazane, 98% PS ... 213
165684 Lead, 98% metal, granules PS ... 252
165732 Propionitrile, 99% PS ... 366
165794 1-Hexanol, 98% PS ... 217

17 RE

171023 Hydrochloric Acid 0,1 mol/l (0,1N) RE ... 226
171071 Baryta Water saturated solution RE ... 70
171072 Bromine Water saturated solution RE ... 83
171073 Lime Water saturated solution RE ... 255
171091 Methanol according to Karl Fischer RE ... 278
171183 Barium Chloride solution 10% w/v RE ... 68
171220 Sodium Hydroxide solution 40% w/w RE ... 401
171386 Hydrotimetric Liquor RE ... 231
171422 Mercury(II) Nitrate solution 2% w/v RE ... 273
171434 Magnesia Mixture RE ... 260
171457 Pyridine (max. 0,02% water) according to Karl Fischer RE ... 368
171460 Silver Nitrate solution 0,5% w/v RE ... 377
171462 Silver Nitrate solution 2% w/v RE ... 377
171507 Potassium Hexacyanoferrate(II) solution 10% w/v RE ... 344
171516 Potassium Hydroxide solution 40% w/v RE ... 350
171543 Potassium Iodide solution 10% w/v RE ... 353
171569 Griess-Ilosvay's A Reagent RE ... 209
171570 Griess-Ilosvay's B Reagent RE ... 209
171581 Nessler's Reagent RE ... 294
171588 Schiff's Reagent RE ... 374
171659 Sodium Chloride ASTM B117-07 RE ... 387
171688 Sodium Hydroxide solution 10% w/v RE ... 402
171689 Sodium Hydroxide solution 20% w/v RE ... 402
171690 Sodium Hydroxide solution 30% w/v RE ... 401
171694 Sodium Hydroxide 0,1 mol/l (0,1N) RE ... 402
171747 Litmus soluble RE ... 259
172062 n-Heptane (ASTM) RE ... 211
172064 Isooctane (ASTM) RE ... 246
172174 Luff-Schoorl's Reagent RE ... 259
172308 Copper(II) Ethylenediamine Reagent RE ... 135
172417 o-Tolidine solution 0,1% RE ... 458
172429 Kjeldahl Catalyst (Cu-Se) powder RE ... 249
172926 Kjeldahl Catalyst (Cu-Se) (1,5% $CuSO_4.5H_2O$ + 2% Se) tablets RE ... 249
173163 Sulphuric Acid 98% RE ... 444
173253 Sulphuric Acid d(20)=1,522±0,005 according to Van Gulik RE ... 445
173333 Vanadate-Molybdate Reagent RE ... 477
173347 Kjeldahl Catalyst (Hg) tablets RE ... 249
173348 Kjeldahl Catalyst (Se) tablets RE ... 249
173349 Kjeldahl Catalyst (Cu-TiO_2) tablets RE ... 249
173350 Kjeldahl Catalyst (Cu) (0,3% in $CuSO_4.5H_2O$) tablets RE ... 249
173355 Carrez's Reagent I RE ... 118
173356 Carrez's Reagent II RE ... 118
173495 Peracetic Acid solution 15% w/w RE ... 314
173609 Potassium Dichromate solution 10% RE ... 342
173655 Concentrated solution for the sand equivalent determination RE ... 133
174230 Nessler's Reagent A RE ... 294
174231 Nessler's Reagent B RE ... 294
174249 Rhodamine B in ethanol absolute, TLC developer RE ... 371
174255 Ninhydrin in 2-propanol, TLC developer RE ... 297
174256 2',7'-Dichlorofluorescein in 2-propanol ,TLC developer RE ... 152
174275 Silica Gel 60, 63-200 microns RE ... 376
174290 Potassium Dichromate 0,02 mol/l (0,02M) RE ... 342
174428 Kjeldahl Catalyst (Cu) (6,25% in $CuSO_4.5H_2O$) tablets RE ... 249
174602 Resazurin tablets of 0,25 g RE ... 371
174748 Wide Spectrum Microtablets I RE ... 480
175054 Detergent Neutral Solution RE ... 147
175055 Detergent Acid Solution RE ... 147
175106 Ion Exchange Resin Strongly Acidic RE ... 239
175126 Mercury Absorbent RE ... 271
175145 OXI-OLEO-TEST RE ... 308
175154 WSCP Kit RE ... 481
175164 OXI-OLEO-TEST Refill RE ... 308
175166 WSCP Kit Refill RE ... 481
175208 Pepsin 1:10.000 NF RE ... 314
175305 Sodium Chloride solution ASTM B117-07 RE ... 388
175307 Buffer for Fungal Falling Number RE ... 91
175349 Molecular Sieve 3A (2 mm diameter particle) RE ... 290
175350 Molecular Sieve 4A RE ... 291
175351 Molecular Sieve 5A (2 mm diameter particle) RE ... 291
175352 Molecular Sieve 10A (2 mm diameter particle) RE ... 291
175387 Wide Spectrum Microtablets II RE ... 480
175429 Ammonium Acetate 1M buffered to pH=7, extractant solution RE ... 48
175506 Sodium Plumbite solution (Doctor solution) RE ... 411
175567 Hydrochloric Acid 10 g/l RE ... 225
175570 Kjeldahl Catalyst (Cu-Se) (9% $CuSO_4.5H_2O$ + 0,9% Se) tablets RE ... 249
175630 Patent Blue V solution 0,5% w/v RE ... 311
175631 Tartrazine solution 0,5 % w/v RE ... 449
175639 Kjeldahl Catalyst (Cu) (9% in $CuSO_4.5H_2O$) tablets RE ... 249
175677 Mercury Spillage Kit RE ... 274
175723 Patent Blue V solution 5% w/v RE ... 311
175772 Celite Hyflo Super Cel ® RE ... 118
176131 Aziziol RE ... 66
176166 Lanthanum Matrix Modifier RE ... 270
176167 Buffer Solution Aluminium Nitrate/Cesium Chloride RE ... 91
176168 Buffer Solution Cesium Chloride/Lanthanum Chloride RE ... 91
176169 Phosphate Matrix Modifier RE ... 270
176170 Magnesium Matrix Modifier RE ... 270
176191 Sulphuric Acid 0,13 mol/l (0,26N) RE ... 446
176408 Liquid Pepsin RE ... 314
176415 Pepsin 1:10.000 NF Plus RE ... 314
176418 Reagent of heavy metals A RE ... 370
176419 Reagent of heavy metals B RE ... 370

18 SV

181009 Acetic Acid 1 mol/l (1N) SV ... 23
181011 Acetic Acid 0,1 mol/l (0,1N) SV ... 23
181021 Hydrochloric Acid 1 mol/l (1N) SV ... 226
181022 Hydrochloric Acid 0,5 mol/l (0,5N) SV ... 226
181023 Hydrochloric Acid 0,1 mol/l (0,1N) SV ... 226
181039 Nitric Acid 1 mol/l (1N) SV ... 301
181040 Nitric Acid 0,1 mol/l (0,1N) SV ... 301
181042 Oxalic Acid 0,5 mol/l (1N) SV ... 307
181043 Oxalic Acid 0,05 mol/l (0,1N) SV ... 307
181046 Perchloric Acid 0,1 mol/l (0,1N) in acetic acid SV ... 317
181047 Perchloric Acid 0,1 mol/l (0,1N) in 1,4-dioxan SV ... 317
181059 Sulphuric Acid 0,5 mol/l (1N) SV ... 446
181060 Sulphuric Acid 0,25 mol/l (0,5N) SV ... 446
181061 Sulphuric Acid 0,05 mol/l (0,1N) SV ... 445
181132 Ammonia 1 mol/l (1N) SV ... 47
181144 Ammonium Thiocyanate 0,1 mol/l (0,1N) SV ... 59
181152 Sodium meta-Arsenite 0,05 mol/l (0,1N) SV ... 381
181184 Barium Chloride 0,1 mol/l (0,1M) SV ... 68
181249 Cerium(IV) Sulphate 0,1 mol/l (0,1N) SV ... 119
181271 Copper(II) Sulphate 0,1 mol/l (0,1M) SV ... 137
181367 Ammonium Iron(III) Sulphate 0,1 mol/l (0,1N) SV ... 55
181369 Ammonium Iron(II) Sulphate 0,1 mol/l (0,1N) SV ... 54
181405 Magnesium Sulphate 0,1 mol/l (0,1M) SV ... 265
181424 Mercury(II) Nitrate 0,05 mol/l (0,1N) SV ... 273
181425 Mercury(II) Nitrate 0,01 mol/l (0,02N) SV ... 273
181464 Silver Nitrate 0,1 mol/l (0,1N) SV ... 378
181465 Silver Nitrate 0,02 mol/l (0,02N) SV ... 378
181488 Potassium Bromate 1/60 mol/l (0,1N) SV ... 336
181501 Potassium Dichromate 1/6 mol/l (1N) SV ... 342
181502 Potassium Dichromate 1/60 mol/l (0,1N) SV ... 342
181504 Potassium Hexacyanoferrate(III) 0,1 mol/l (0,1N) SV ... 344
181517 Potassium Hydroxide 1 mol/l (1N) SV ... 351
181518 Potassium Hydroxide 0,5 mol/l (0,5N) SV ... 350
181519 Potassium Hydroxide 0,5 mol/l (0,5N) ethanolic SV ... 351
181520 Potassium Hydroxide 0,5 mol/l (0,5N) methanolic SV ... 351
181521 Potassium Hydroxide 0,1 mol/l (0,1N) SV ... 350
181528 Potassium Permanganate 0,2 mol/l (1N) SV ... 356
181529 Potassium Permanganate 0,02 mol/l (0,1N) SV ... 356
181535 Potassium Thiocyanate 0,1 mol/l (0,1N) SV ... 360
181541 Potassium Iodate 0,05 mol/l (0,3N) SV ... 352
181544 Potassium Iodide 0,1 mol/l (0,1N) SV ... 353
181584 Sodium Hydroxide 0,04 mol/l (0,04N) SV ... 402
181649 Sodium Carbonate 0,5 mol/l (1N) SV ... 386
181661 Sodium Chloride 0,1 mol/l (0,1N) SV ... 388
181670 Ethylenediaminetetraacetic Acid Disodium Salt 0,1 mol/l (0,1M) SV ... 185
181671 Ethylenediaminetetraacetic Acid Disodium Salt 0,01 mol/l (0,01M) SV ... 185
181691 Sodium Hydroxide 1 mol/l (1N) SV ... 403
181692 Sodium Hydroxide 0,5 mol/l (0,5N) SV ... 403
181693 Sodium Hydroxide 0,1 mol/l (0,1N) SV ... 402
181694 Sodium Hydroxide 0,1 mol/l (0,1N) SV ... 402
181722 Sodium Thiosulphate 1 mol/l (1N) SV ... 417
181723 Sodium Thiosulphate 0,1 mol/l (0,1N) SV ... 417
181772 Iodine 0,05 mol/l (0,1N) SV ... 237
181789 Zinc Sulphate 0,1 mol/l (0,1M) SV ... 489
181969 Iodine 0,01 mol/l (0,02N) SV ... 237
182000 Bromine (Bromate-Bromide) 0,05 mol/l (0,1N) SV ... 83
182011 Sulphuric Acid 0,1 mol/l (0,2N) SV ... 446
182057 Hydrochloric Acid 3 mol/l (3N) SV ... 227
182102 Sulphuric Acid 0,01 mol/l (0,02N) SV ... 445
182103 Sulphuric Acid 0,025 mol/l (0,05N) SV ... 445
182105 Sulphuric Acid 1 mol/l (2N) SV ... 446
182106 Sulphuric Acid 2,5 mol/l (5N) SV ... 446
182107 Hydrochloric Acid 0,05 mol/l (0,05N) SV ... 226
182108 Hydrochloric Acid 2 mol/l (2N) SV ... 226
182109 Hydrochloric Acid 5 mol/l (5N) SV ... 227
182111 Nitric Acid 0,5 mol/l (0,5N) SV ... 301
182112 Nitric Acid 2 mol/l (2N) SV ... 301
182114 Potassium Permanganate 0,01 mol/l (0,05N) SV ... 356
182115 Silver Nitrate 0,05 mol/l (0,05N) SV ... 378
182116 Silver Nitrate 1 mol/l (1N) SV ... 378
182118 Acetic Acid 0,5 mol/l (0,5N) SV ... 23
182120 Ethylenediaminetetraacetic Acid Disodium Salt 0,05 mol/l (0,05M) SV ... 185
182123 Oxalic Acid 0,025 mol/l (0,05N) SV ... 307
182126 Ammonium Thiocyanate 1 mol/l (1N) SV ... 59
182131 Barium Perchlorate 0,005 mol/l (0,005M) aqueous-alcoholic solution SV ... 69
182136 Cerium(IV) Sulphate 0,05 mol/l (0,05N) SV ... 119
182138 Mercury(II) Nitrate 0,005 mol/l (0,01N) SV ... 273
182142 Potassium Dichromate 1/24 mol/l (0,25N) SV ... 342
182145 Potassium Hydroxide 2 mol/l (2N) SV ... 351
182146 Potassium Hydroxide 0,1 mol/l (0,1N) ethanolic SV ... 350
182147 Potassium Hydroxide 0,1 mol/l (0,1N) methanolic SV ... 350
182153 Sodium Hydroxide 0,05 mol/l (0,05N) SV ... 402
182155 Sodium Hydroxide 0,25 mol/l (0,25N) SV ... 403
182156 Sodium Hydroxide 0,3546 mol/l (N/2,82) SV ... 403
182158 Sodium Hydroxide 2 mol/l (2N) SV ... 403
182159 Sodium Hydroxide 5 mol/l (5N) SV ... 403
182160 Sodium Thiosulphate 0,05 mol/l (0,05N) SV ... 417
182161 Iodine 0,025 mol/l (0,05N) SV ... 237
182162 Iodine 0,5 mol/l (1N) SV ... 237
182163 Zinc Sulphate 0,05 mol/l (0,05M) SV ... 489
182251 Potassium Chloride 0,1 mol/l (0,1N) SV ... 339
182252 Potassium Chloride 1 mol/l (1N) SV ... 339
182256 Potassium Iodide 1 mol/l (1N) SV ... 353
182265 Sodium Hydroxide 1 mol/l (1N) ethanolic SV ... 403
182284 Sodium Hydroxide 0,1 mol/l (0,1N) ethanolic SV ... 402
182292 Sodium Thiocyanate 0,1 mol/l (0,1N) SV ... 416
182296 Sodium Hydroxide 0,025 mol/l (0,025N) SV ... 402
182318 Hydrochloric Acid 0,25 mol/l (0,25N) SV ... 226
182415 Sodium Hydroxide 1 mol/l (1N) SV ... 403
182564 Silver Nitrate 0,01 mol/l (0,01N) SV ... 378
182577 Sodium Thiosulphate 0,01 mol/l (0,01N) SV ... 417
182651 Potassium Permanganate 0,1 mol/l (0,5N) SV ... 356
182792 Sodium Dodecyl Sulphate 0,004 mol/l SV ... 392
182806 Potassium Iodate 1/60 mol/l (0,1N) SV ... 352
182884 Hydrochloric Acid 0,01 mol/l (0,01N) SV ... 226
182914 Sodium Thiosulphate 0,0394 mol/l (0,0394N) ASTM D 1510 SV ... 417
182915 Iodine 0,02365 mol/l (0,0473N) ASTM D 1510 SV ... 237
182971 Sodium Hydroxide 0,2 mol/l (0,2N) SV ... 402
183141 Benzethonium Chloride 0,004 mol/l (0,004M) SV ... 72
183154 Sodium Hydroxide 0,111 mol/l (0,111N) according to Dornic SV ... 402
183335 Sulphuric Acid 0,1275 mol/l (0,255N) SV ... 446
183336 Potassium Hydroxide 0,1 mol/l (0,1N) in 2-propanol SV ... 350
183337 Sodium Hydroxide 0,313 mol/l (0,313N) SV ... 403
183354 Potassium Hydroxide 0,23 mol/l (0,23N) SV ... 350
183397 Sodium Hydroxide 0,02 mol/l (0,02N) SV ... 402
183466 Sodium Hydroxide 4 mol/l (4N) SV ... 403
183489 Sodium Thiosulphate 0,2 mol/l (0,2N) SV ... 417
183669 Tetrabutylammonium Hydroxide 0,1 mol/l (0,1N) in 2-propanol/methanol (11:1) SV ... 450
183706 Sodium Acetate 0,1 mol/l (0,1N) in acetic acid SV ... 380
183878 Hydrochloric Acid 0,3571 mol/l (N/2,8) SV ... 226
183879 Hydrochloric Acid 3,571 mol/l (3,571N) SV ... 227
184385 Potassium Dichromate 0,04 mol/l with 80 g/l of Mercury(II) Sulphate SV ... 342
184438 Potassium Hydroxide 1 mol/l (1N) ethanolic SV ... 351
184489 Ethylenediaminetetraacetic Acid Disodium Salt 0,01785 mol/l (0,01785M) SV ... 185
184770 Sodium Chloride 1 mol/l (1N) SV ... 388
185225 Tetrabutylammonium Hydroxide 0,1 mol/l (0,1N) in toluene/methanol (9:1) SV ... 450
185227 Ammonium Iron(II) Sulphate 0,12 mol/l (0,12N) SV ... 54
185310 Perchloric Acid 1 mol/l (1N) SV ... 317
185314 Sulphuric Acid 4 mol/l (8N) SV ... 446
185423 Hydrochloric Acid 0,310 mol/l (1,128% w/v) SV ... 226
185836 Potassium Dichromate 0,02 mol/l with 80 g/l of Mercury(II) Sulphate SV ... 342
186228 Benzethonium Chloride 0,01 mol/l (0,01N) SV ... 72
186364 Sulphuric Acid 5 mol/l (10N) SV ... 446

19 CODEX

191066 L(+)-Tartaric Acid (RFE, USP-NF, BP, Ph. Eur.) CODEX ... 448
191086 Ethanol absolute (USP, BP, Ph. Eur.) CODEX ... 177
191101 Aluminium Sulphate 18-hydrate (RFE, BP, Ph. Eur.) CODEX ... 40
191170 Methylene Blue (C.I. 52015) (USP) CODEX ... 283
191232 Calcium Chloride 2-hydrate powder (RFE, USP, BP, Ph. Eur.) CODEX ... 108
191302 Turpentine Oil stabilized with 100 ppm of DL-α-Tocopherol (BP, Ph. Eur.) CODEX ... 474
191303 Tin(II) Chloride 2-hydrate (BP, Ph. Eur.) CODEX ... 456
191318 Ethyl Acetate (RFE, BP, Ph. Eur., DAB) CODEX ... 182
191394 Magnesium Acetate 4-hydrate (BP, Ph. Eur.) CODEX ... 261
191396 Magnesium Chloride 6-hydrate (RFE, USP, BP, Ph. Eur., DAB) CODEX ... 261
191403 Gentian Violet hydroalcoholic solution 1% (C.I. 42555) (USP) CODEX ... 203
191410 Manganese(II) Chloride 4-hydrate (USP) CODEX ... 267
191490 Potassium Carbonate (USP, BP, Ph. Eur.) CODEX ... 337
191494 Potassium Chloride (RFE, USP, BP, Ph. Eur.) CODEX ... 339
191717 Sodium Sulphite anhydrous (RFE, BP, Ph. Eur.) CODEX ... 415
191750 Triethanolamine (BP, Ph. Eur.) CODEX ... 468
191754 Urea crystal (RFE, USP, BP, Ph. Eur.) CODEX ... 476
191786 Zinc Oxide (RFE, USP, BP, Ph. Eur.) CODEX ... 487
191931 Iodine solution ~7% in ethanol 85% (USP) CODEX ... 237
191932 Iodine solution ~2% in ethanol 50% (USP) CODEX ... 237
191937 Di-n-Butyl Phthalate (RFE, BP, Ph. Eur., JP) CODEX ... 149
191954 Dimethyl Sulphoxide (RFE, USP, BP, Ph. Eur.) CODEX ... 168
191959 Alkylbenzyldimethylammonium Chloride (USP) CODEX ... 37
192695 Ethanol 70% v/v (BP) CODEX ... 180
192756 Sodium Selenite anhydrous (BP) CODEX ... 413
192770 Diethyl Ether anaesthetic stabilized with ~6 ppm of BHT (RFE, BP, Ph. Eur.) CODEX ... 158

20 ADITIO

201003 Vaseline Oil (F.C.C.) ADITIO ... 478
201007 Acetone (F.C.C.) ADITIO ... 26
201008 Acetic Acid glacial (E-260, F.C.C.) ADITIO ... 22
201013 L(+)-Ascorbic Acid (E-300, F.C.C.) ADITIO ... 65
201014 Benzoic Acid (E-210, F.C.C.) ADITIO ... 74
201018 Citric Acid 1-hydrate (E-330, F.C.C.) ADITIO ... 130
201020 Hydrochloric Acid 37% (E-507, F.C.C.) ADITIO ... 223
201029 Formic Acid 85% (F.C.C.) ADITIO ... 199
201030 Formic Acid 98% (F.C.C.) ADITIO ... 199
201032 ortho-Phosphoric Acid 85% (F.C.C.) ADITIO ... 328
201034 L(+)-Lactic Acid (F.C.C.) ADITIO ... 250
201055 Sorbic Acid (E-200, F.C.C.) ADITIO ... 418
201058 Sulphuric Acid 95-98% (F.C.C.) ADITIO ... 444
201065 Tannic Acid (F.C.C.) ADITIO ... 448
201066 L(+)-Tartaric Acid (E-334, F.C.C.) ADITIO ... 448
201076 Hydrogen Peroxide 30% w/v (100 vol.) stabilized (F.C.C.) ADITIO ... 230
201081 Benzyl Alcohol (E-1519, F.C.C.) ADITIO ... 76
201082 1-Butanol (F.C.C.) ADITIO ... 97
201085 Ethanol 96% v/v (F.C.C.) ADITIO ... 179
201086 Ethanol absolute (F.C.C.) ADITIO ... 177
201089 Isobutanol (F.C.C.) ADITIO ... 243
201090 2-Propanol (F.C.C.) ADITIO ... 364
201091 Methanol (F.C.C.) ADITIO ... 277
201103 Aluminium Potassium Sulphate 12-hydrate (E-522, F.C.C.) ADITIO ... 40
201116 Ammonium Hydrogen Carbonate (E-503ii, F.C.C.) ADITIO ... 51
201119 Ammonium Carbonate (E-503i, F.C.C.) ADITIO ... 49
201121 Ammonium Chloride (F.C.C.) ADITIO ... 50
201126 Ammonium di-Hydrogen Phosphate (F.C.C.) ADITIO ... 53
201127 di-Ammonium Hydrogen Phosphate (F.C.C.) ADITIO ... 52
201129 Ammonia 25% (as NH_3) ADITIO ... 45
201130 Ammonia 30% (as NH_3) (E-527, F.C.C.) ADITIO ... 44
201140 Ammonium Sulphate (E-517, F.C.C.) ADITIO ... 58
201202 n-Butyl Acetate (F.C.C.) ADITIO ... 99
201211 Calcium Acetate x-hydrate (E-263, F.C.C.) ADITIO ... 105
201212 Calcium Carbonate precipitated (E-170i, F.C.C.) ADITIO ... 107
201213 tri-Calcium di-Citrate 4-hydrate (E-333iii, F.C.C.) ADITIO ... 109

201214 Calcium Chloride 6-hydrate (E-509) ADITIO ... 108
201225 Calcium Bis (di-Hydrogen Phosphate) 1-hydrate (E-341i, F.C.C.) ADITIO ... 106
201226 Calcium Hydrogen Phosphate 2-hydrate (E-341ii, F.C.C.) ADITIO ... 110
201227 Calcium Hydrogen Phosphate anhydrous (E-341ii, F.C.C.) ADITIO ... 109
201228 tri-Calcium Phosphate (E-341iii, F.C.C.) ADITIO ... 111
201230 Calcium Lactate 5-hydrate (E-327, F.C.C.) ADITIO ... 110
201232 Calcium Chloride 2-hydrate powder (E-509, F.C.C.) ADITIO ... 108
201235 Calcium Sulphate 2-hydrate (E-516, F.C.C.) ADITIO ... 112
201237 Charcoal Activated powder (E-153, F.C.C.) ADITIO ... 120
201254 Dichloromethane stabilized with amylene (F.C.C.) ADITIO ... 153
201276 Magnesium Oxide (F.C.C.) ADITIO ... 263
201303 Tin(II) Chloride 2-hydrate (E-512, F.C.C.) ADITIO ... 456
201318 Ethyl Acetate (F.C.C.) ADITIO ... 182
201319 Ethyl (S)-(-)-Lactate (F.C.C.) ADITIO ... 188
201339 Glycerol (E-422, F.C.C.) ADITIO ... 206
201340 Glycine (E-640, F.C.C.) ADITIO ... 208
201341 D(+)-Glucose anhydrous (F.C.C.) ADITIO ... 204
201362 Iron(II) Sulphate 7-hydrate (F.C.C.) ADITIO ... 241
201375 Lactose 1-hydrate (F.C.C.) ADITIO ... 251
201395 Magnesium Hydroxide Carbonate 5-hydrate (E-504ii) ADITIO ... 262
201396 Magnesium Chloride 6-hydrate (E-511, F.C.C.) ADITIO ... 261
201399 tri-Magnesium di-Phosphate 5-hydrate (F.C.C.) ADITIO ... 263
201404 Magnesium Sulphate 7-hydrate (F.C.C.) ADITIO ... 264
201410 Manganese(II) Chloride 4-hydrate (F.C.C.) ADITIO ... 268
201413 Manganese(II) Sulphate 1-hydrate (F.C.C.) ADITIO ... 269
201429 Butanone (Methylethylketone) (F.C.C.) ADITIO ... 98
201479 Potassium Acetate (E-261) ADITIO ... 335
201480 Potassium Hydrogen Carbonate (E-501ii, F.C.C.) ADITIO ... 345
201486 Potassium Hydrogen Tartrate (E-336i, F.C.C.) ADITIO ... 348
201487 Potassium Bromate (F.C.C.) ADITIO ... 336
201490 Potassium Carbonate (E-501i, F.C.C.) ADITIO ... 337
201492 tri-Potassium Citrate 1-hydrate (E-332ii, F.C.C.) ADITIO ... 340
201494 Potassium Chloride (E-508, F.C.C.) ADITIO ... 339
201505 Potassium Hexacyanoferrate(II) 3-hydrate (E-536) ADITIO ... 344
201509 Potassium di-Hydrogen Phosphate (E-340i, F.C.C.) ADITIO ... 347
201512 di-Potassium Hydrogen Phosphate anhydrous (E-340ii, F.C.C.) ADITIO ... 346
201513 tri-Potassium Phosphate 1,5-hydrate (E-340iii, F.C.C.) ADITIO ... 357
201515 Potassium Hydroxide 85% pellets (E-525, F.C.C.) ADITIO ... 349
201522 Potassium Disulphite (E-224, F.C.C.) ADITIO ... 343
201524 Potassium Nitrate without anticaking (E-252, F.C.C.) ADITIO ... 354
201531 Potassium Sorbate (E-202, F.C.C.) ADITIO ... 358
201532 Potassium Sulphate (E-515i, F.C.C.) ADITIO ... 359
201540 Potassium Iodate (F.C.C.) ADITIO ... 352
201542 Potassium Iodide (F.C.C.) ADITIO ... 353
201545 1,2-Propanediol (E-1520, F.C.C.) ADITIO ... 361
201632 Sodium Acetate 3-hydrate (E-262i, F.C.C.) ADITIO ... 380
201633 Sodium Acetate anhydrous (E-262i, F.C.C.) ADITIO ... 380
201637 Sodium Benzoate (E-211, F.C.C.) ADITIO ... 382
201638 Sodium Hydrogen Carbonate (E-500ii, F.C.C.) ADITIO ... 395
201647 Sodium Carbonate 10-hydrate (E-500i, F.C.C.) ADITIO ... 386
201648 Sodium Carbonate anhydrous (E-500i, F.C.C.) ADITIO ... 385
201654 di-Sodium Hydrogen Citrate 1 1/2-hydrate (E-331ii) ADITIO ... 395
201655 tri-Sodium Citrate 2-hydrate (E-331iii, F.C.C.) ADITIO ... 389
201656 tri-Sodium Citrate 5,5-hydrate (E-331iii) ADITIO ... 389
201659 Sodium Chloride (F.C.C.) ADITIO ... 387
201665 Sodium Hydrogen di-Acetate (E-262ii, F.C.C.) ADITIO ... 394
201669 Ethylenediaminetetraacetic Acid Disodium Salt 2-hydrate (F.C.C.) ADITIO ... 184
201677 Sodium di-Hydrogen Phosphate 2-hydrate (E-339i, F.C.C.) ADITIO ... 398
201678 di-Sodium Hydrogen Phosphate 12-hydrate (E-339ii) ADITIO ... 397
201679 di-Sodium Hydrogen Phosphate anhydrous (E-339ii, F.C.C.) ADITIO ... 396
201680 tri-Sodium Phosphate 12-hydrate (E-339iii, F.C.C.) ADITIO ... 411
201683 Sodium L-Glutamate 1-hydrate (E-621, F.C.C.) ADITIO ... 393
201684 Sodium Polyphosphate (E-452i, F.C.C.) ADITIO ... 411
201687 Sodium Hydroxide pellets (E-524, F.C.C.) ADITIO ... 399
201698 Sodium Disulphite (E-223, F.C.C.) ADITIO ... 391
201702 Sodium Nitrate (E-251, F.C.C.) ADITIO ... 407
201703 Sodium Nitrite (E-250, F.C.C.) ADITIO ... 408
201709 di-Sodium di-Hydrogen Pyrophosphate (E-450i, F.C.C.) ADITIO ... 398
201710 tetra-Sodium Pyrophosphate 10-hydrate (E-450iii, F.C.C.) ADITIO ... 412
201711 tetra-Sodium Pyrophosphate anhydrous (E-450iii, F.C.C.) ADITIO ... 411
201715 Sodium Sulphate 10-hydrate (E-514i, F.C.C.) ADITIO ... 414
201716 Sodium Sulphate anhydrous (E-514i, F.C.C.) ADITIO ... 414
201717 Sodium Sulphite anhydrous (E-221, F.C.C.) ADITIO ... 415
201719 Sodium Tartrate 2-hydrate (E-335ii, F.C.C.) ADITIO ... 416
201721 Sodium Thiosulphate 5-hydrate (F.C.C.) ADITIO ... 417
201729 Potassium Sodium Tartrate 4-hydrate (E-337, F.C.C.) ADITIO ... 358
201733 Talc washed (E-553b, F.C.C.) ADITIO ... 447
201786 Zinc Oxide (F.C.C.) ADITIO ... 487
201787 Zinc Sulphate 7-hydrate (F.C.C.) ADITIO ... 488
201788 Zinc Sulphate 1-hydrate (F.C.C.) ADITIO ... 488
201792 Agar (E-406, F.C.C.) ADITIO ... 33
201808 Citric Acid anhydrous (E-330, F.C.C.) ADITIO ... 129
201810 Propionic Acid (E-280, F.C.C.) ADITIO ... 365
201818 Calcium Stearate (E-470a, F.C.C.) ADITIO ... 112
201855 Potassium Nitrite (E-249, F.C.C.) ADITIO ... 354
201877 1-Dodecanol (F.C.C.) ADITIO ... 173
201883 Succinic Acid (E-363, F.C.C.) ADITIO ... 439
201922 Glycerol tri-Acetate (E-1518, F.C.C.) ADITIO ... 207
201927 Magnesium Hydrogen Phosphate 3-hydrate (E-343ii, F.C.C.) ADITIO ... 262
201962 Propyl Gallate (E-310, F.C.C.) ADITIO ... 366
201965 Sodium di-Hydrogen Phosphate 1-hydrate (E-339i, F.C.C.) ADITIO ... 398
202028 Ammonium Iron(III) Citrate green (E-381, F.C.C.) ADITIO ... 54
202029 Magnesium Stearate (E-470b, F.C.C.) ADITIO ... 264
202032 Sodium Carbonate 1-hydrate (E-500i, F.C.C.) ADITIO ... 385
202034 L-Aspartic Acid (F.C.C.) ADITIO ... 65
202042 L-Glutamic Acid (E-620, F.C.C.) ADITIO ... 205
202043 L-Alanine (F.C.C.) ADITIO ... 36
202046 L-Leucine (F.C.C.) ADITIO ... 255
202047 L-Phenylalanine (F.C.C.) ADITIO ... 324
202048 Vanillin (F.C.C.) ADITIO ... 477
202050 Tween® 80 (E-433) ADITIO ... 475
202051 DL-Malic Acid (E-296, F.C.C.) ADITIO ... 266
202060 Gelatine 80-100 Blooms ADITIO ... 202
202061 Arabic Gum powder (E-414, F.C.C.) ADITIO ... 63
202067 D(-)-Mannitol (E-421, F.C.C.) ADITIO ... 269
202101 Titanium(IV) Oxide (E-171, F.C.C.) ADITIO ... 457
202312 Tween® 20 (E-432) ADITIO ... 475
202333 di-Potassium Hydrogen Phosphate 3-hydrate (E-340ii) ADITIO ... 346
202342 Adipic Acid (E-355, F.C.C.) ADITIO ... 33
202344 Fumaric Acid (E-297, F.C.C.) ADITIO ... 201
202345 Palmitic Acid (E-570, F.C.C.) ADITIO ... 309
202357 Benzoyl Peroxide humidified with ~25% of H_2O (F.C.C.) ADITIO ... 75
202363 Sodium Dodecyl Sulphate (F.C.C.) ADITIO ... 392
202400 Calcium Hydroxide, powder (E-526, F.C.C.) ADITIO ... 110
202416 Carboxymethylcellulose Sodium Salt low viscosity (E-466, F.C.C.) ADITIO ... 116
202422 DL-Aspartic Acid (F.C.C.) ADITIO ... 66
202475 Siliceous Earth purified and calcined (F.C.C.) ADITIO ... 376
202507 di-Sodium Hydrogen Phosphate 2-hydrate (E-339ii, F.C.C.) ADITIO ... 396
202512 Stearic Acid 50 (fatty acids mixture) (E-570, F.C.C.) ADITIO ... 438
202515 Iron(III) Phosphate x-hydrate (F.C.C.) ADITIO ... 241
202695 Ethanol 70% v/v ADITIO ... 180
202728 D(-)-Fructose (F.C.C.) ADITIO ... 200
202786 Octanoic Acid (E-570, F.C.C.) ADITIO ... 305
202824 Calcium Chloride solution 45% w/w (as $CaCl_2.2H_2O$) (E-509, F.C.C.) ADITIO ... 108
202825 2,6-Di-tert-Butyl-4-Methylphenol (E-321, F.C.C.) ADITIO ... 148
202880 L-Isoleucine (F.C.C.) ADITIO ... 244
202882 L-Methionine (F.C.C.) ADITIO ... 279
202912 Ammonium Iron(III) Citrate brown (E-381, F.C.C.) ADITIO ... 54
203064 D(-)-Sorbite (E-420i, F.C.C.) ADITIO ... 420
203140 D(+)-Glucose 1-hydrate (F.C.C.) ADITIO ... 204
203209 Paraffin M.P. 51-53°C pellets (F.C.C.) ADITIO ... 309
203238 Calcium Propionate (E-282, F.C.C.) ADITIO ... 112
203290 Calcium D-Gluconate 1-hydrate (E-578, F.C.C.) ADITIO ... 109
203307 Sodium Lactate solution 50% w/w (E-325, F.C.C.) ADITIO ... 406
203332 Methyl 4-Hydroxybenzoate (E-218, F.C.C.) ADITIO ... 284
203385 D(+)-Limonene (F.C.C.) ADITIO ... 255
203464 L-Arginine (F.C.C.) ADITIO ... 63
203645 L-Cystine (E-921, F.C.C.) ADITIO ... 144
203646 L-Proline (F.C.C.) ADITIO ... 360
203865 Sodium L(+)-Ascorbate (E-301, F.C.C) ADITIO ... 381
203922 Carboxymethylcellulose Sodium Salt high viscosity (E-466, F.C.C.) ADITIO ... 117
203977 D(+)-Biotin (F.C.C.) ADITIO ... 77
204233 2-tert-Butyl-4-Methoxyphenol (E-320, F.C.C.) ADITIO ... 100
204321 tetra-Potassium Pyrophosphate anhydrous (E-450v, F.C.C.) ADITIO ... 357
204333 Acetophenone (F.C.C.) ADITIO ... 29
204395 Calcium Carbonate precipitated, low in iron (0,001%) (E-170i, F.C.C.) ADITIO ... 106
204441 Carboxymethylcellulose Sodium Salt medium viscosity (E-466, F.C.C.) ADITIO ... 117
204621 Paraffin M.P. 60-65°C (F.C.C.) ADITIO ... 310
204644 DL-α-Tocopherol (E-307, F.C.C.) ADITIO ... 458
204764 L-Lysine mono-Hydrochloride (F.C.C.) ADITIO ... 260
204954 Calcium Chloride 2-hydrate flakes (E-509, F.C.C.) ADITIO ... 107
205044 L-Valine (F.C.C.) ADITIO ... 477
205522 Sodium Stearate (E-470a) ADITIO ... 413
206075 Polysorbate 80 (E-433) ADITIO ... 334
206076 Polysorbate 20 (E-432) ADITIO ... 333
206158 Polysorbate 40 (E-434) ADITIO ... 333
206159 Polysorbate 60 (E-435) ADITIO ... 333
206160 Polysorbate 65 (E-436) ADITIO ... 334
206392 Urea pearls, (E-927b, F.C.C.) ADITIO ... 476
206401 Potassium Nitrate with anticaking (E-252, F.C.C.) ADITIO ... 354
20B216 Folic Acid (F.C.C.) ADITIO ... 196

21 QP

211007 Acetone QP ... 26
211008 Acetic Acid glacial QP ... 23
211020 Hydrochloric Acid 37% QP ... 223
211032 ortho-Phosphoric Acid 85% QP ... 328
211058 Sulphuric Acid 96% QP ... 444
211066 L(+)-Tartaric Acid QP ... 448
211077 Hydrogen Peroxide 33% w/v (110 vol.) stabilized QP ... 229
211087 Aluminium Potassium Sulphate dry, powder QP ... 40
211090 2-Propanol QP ... 365
211129 Ammonia 25% (as NH_3) QP ... 45
211142 Ammonium Sulphite 1-hydrate QP ... 58
211149 Aluminium Silicate QP ... 40
211153 Chromium(VI) Oxide QP ... 128
211158 Antimony(III) Oxide QP ... 61
211160 Sea Sand washed, thin grain QP ... 374
211161 Sea Sand washed, thick grain QP ... 374
211211 Calcium Acetate x-hydrate QP ... 106
211212 Calcium Carbonate precipitated QP ... 107
211221 Calcium Chloride anhydrous QP ... 107
211229 Calcium Hydroxide native, powder QP ... 110
211234 Calcium Oxide natural, pieces QP ... 111
211237 Charcoal Activated powder QP ... 120
211238 Charcoal Activated granulated n° 1 QP ... 120
211239 Charcoal Activated granulated n° 2 QP ... 120
211240 Charcoal Activated granulated n° 3 QP ... 120
211241 Charcoal Animal powder QP ... 120
211243 Charcoal Vegetal powder QP ... 120
211250 Cyclohexane QP ... 141
211252 Trichloromethane stabilized with ethanol QP ... 466
211254 Dichloromethane stabilized with amylene QP ... 154
211276 Magnesium Oxide QP ... 263
211278 Collodion solution 4-8% QP ... 132
211279 Collodion flexible QP ... 132
211302 Turpentine Oil stabilized with 100 ppm of DL-α-Tocopherol QP ... 475
211328 Formaldehyde 35-40% w/v stabilized with methanol QP ... 197
211335 Silica Gel 3-6 mm with indicator (with cobalt chloride) QP ... 375
211339 Glycerol QP ... 206
211359 Iron(III) Chloride 30% aqueous solution QP ... 240
211376 Glass Wool washed QP ... 203
211395 Magnesium Hydroxide Carbonate 5-hydrate QP ... 262
211396 Magnesium Chloride 6-hydrate QP ... 261
211408 Manganese(IV) Oxide QP ... 268
211490 Potassium Carbonate QP ... 337
211494 Potassium Chloride QP ... 339
211511 Paraformaldehyde tablets ~1g QP ... 310
211514 Potassium Hydroxide 90% flakes QP ... 349
211571 Sodium Hydroxide solution 50% w/v QP ... 401
211628 Silicone antifoaming liquid (ORG) QP ... 376
211629 Silicone heat resistant liquid QP ... 376
211630 Silicone paste A QP ... 376
211631 Silicone paste B QP ... 376
211632 Sodium Acetate 3-hydrate QP ... 380
211642 Sodium Hydrogen Sulphite solution 40% w/v QP ... 399
211659 Sodium Chloride QP ... 387
211679 di-Sodium Hydrogen Phosphate anhydrous QP ... 396
211682 Sodium Sulphide x-hydrate QP ... 414
211685 Sodium Dithionite QP ... 391
211686 Sodium Hydroxide flakes QP ... 400
211687 Sodium Hydroxide pellets QP ... 400
211700 Sodium meta-Periodate QP ... 409
211714 Sodium Silicate neutral solution QP ... 413
211745 Toluene QP ... 459
211757 Vaseline Soft QP ... 478
211769 Xylene, mixture of isomers QP ... 482
211777 Zinc Hydroxide Carbonate QP ... 486
211794 Magnesium Chloride ~50% $MgCl_2$ powder QP ... 262
211818 Calcium Stearate QP ... 112
211835 Pumice Stone granules QP ... 367
211841 Magnesium metal, ribbon QP ... 260
211890 Cyclohexanone QP ... 142
211895 Zinc Stearate QP ... 488
211921 Sodium Hypochlorite solution 10% w/v QP ... 404
211934 Iron metal, fine granulated QP ... 239
211935 Iron metal, thick granulated QP ... 239
211939 Sodium Chloride coarse salt QP ... 387
211959 Alkylbenzyldimethylammonium Chloride QP ... 37
212012 Sodium Hexafluorosilicate QP ... 393
212029 Magnesium Stearate QP ... 264
212085 Eucalyptol QP ... 189
212101 Titanium(IV) Oxide QP ... 458
212236 Water Deionized QP ... 480
212297 Sodium Hypochlorite solution 5% w/v QP ... 404
212316 Brij ® 35 QP ... 82
212375 Iron(III) Oxide QP ... 240
212475 Siliceous Earth purified and calcined QP ... 376
212486 Magnesium Sulphate anhydrous QP ... 264
212520 General Absorbent QP ... 202
212646 Copper(II) Pyrophosphate x-hydrate QP ... 136
212722 Antimony metal, pieces QP ... 61
212724 Bismuth(III) Oxide QP ... 79
212770 Diethyl Ether stabilized with ~6 ppm of BHT QP ... 158
212778 Soda Lime with indicator QP ... 379
212800 Ethanol 96% v/v partially denatured QP ... 179
212801 Ethanol absolute partially denatured QP ... 178
212805 Sweet Almonds Oil QP ... 447
212921 Silica Gel 0,5-1,2 mm with indicator (with cobalt chloride) QP ... 376
213041 Zinc Sulphide QP ... 489
213070 Hydrofluoric Acid 40% QP ... 229
213168 Iodine crude QP ... 237
213206 Paraffin M.P. ~42-44°C pieces QP ... 309
213255 Nitric Acid 65% QP ... 300
213648 Cobalt(II) Chloride anhydrous QP ... 131
213973 Ethanol 96% v/v totally denatured QP ... 179
215286 Petroleum Ether 190-250°C QP ... 321
215295 Iron(II) Sulphate ~1-hydrate QP ... 241
215501 Bismuth metal, needles QP ... 78
215756 Potassium Hexafluorophosphate QP ... 344
216241 Silicone antifoaming liquid (AQ) QP ... 376

22 PAI (HPLC-gradient)

221074 Water (HPLC-gradient grade) PAI ... 479
221086 Ethanol absolute (HPLC-gradient grade) PAI ... 176
221090 2-Propanol (HPLC-gradient grade-UV-IR) PAI ... 363
221091 Methanol (HPLC-gradient grade) PAI-ACS ... 275
221881 Acetonitrile (HPLC-gradient grade) PAI-ACS ... 27

24 EQP-ACS-ISO

241014 Benzoic Acid EQP ... 73
241151 Arsenic(III) Oxide EQP-ACS ... 64
241459 Silver Nitrate EQP-ACS-ISO ... 377
241481 Potassium Hydrogen Phthalate EQP-ACS-ISO ... 347
241487 Potassium Bromate EQP-ACS-ISO ... 335
241494 Potassium Chloride EQP-ACS-ISO ... 338
241500 Potassium Dichromate (Reag. Ph. Eur.) EQP-ISO ... 341
241540 Potassium Iodate EQP-ACS-ISO ... 351
241648 Sodium Carbonate anhydrous EQP-ACS-ISO ... 384
241659 Sodium Chloride EQP-ACS-ISO ... 386
241706 di-Sodium Oxalate EQP-ACS ... 408
241719 Sodium Tartrate 2-hydrate EQP-ACS ... 415
241786 Zinc Oxide EQP-ACS ... 487
241940 Tris (Hydroxymethyl) Aminomethane EQP-ACS ... 472
242697 Potassium Hydrogen Diiodate EQP-ACS ... 345

25 DC

251001 Cedar Wood Oil DC ... 118
251002 Immersion Oil DC ... 235
251008 Acetic Acid glacial DC ... 23

251049 Picric Acid saturated solution DC ... 330
251063 Sulphuric Acid 1/3 mol/l (2/3N) DC ... 445
251084 Ethanol-Diethyl Ether 1:1 DC ... 180
251085 Ethanol 96% v/v DC ... 179
251086 Ethanol absolute DC ... 178
251162 Auramine O (C.I. 41000) DC ... 66
251165 Bromophenol Blue DC ... 90
251167 Bromothymol Blue DC ... 90
251169 Brilliant Cresyl Blue (C.I. 51010) DC ... 82
251170 Methylene Blue (C.I. 52015) DC ... 283
251171 Methylene Blue Alkali DC ... 283
251172 Methylene Blue Phenicated DC ... 283
251176 Toluidine Blue O (C.I. 52040) DC ... 461
251177 Victoria Blue B (C.I. 44045) DC ... 478
251178 Azur II (C.I. 52010+52015) DC ... 66
251179 Canada Balsam DC ... 113
251193 Gum Benzoin tincture solution 1:10 DC ... 209
251246 Indigo Carmine (C.I. 73015) DC ... 236
251283 Creatinine DC ... 137
251299 Eosin Yellowish (C.I. 45380) DC ... 175
251301 Eosin Yellowish hydroalcoholic solution 1% DC ... 175
251324 Orcein DC ... 306
251331 Fuchsin Acid (C.I. 42685) DC ... 200
251332 Fuchsin Basic (C.I. 42510) DC ... 200
251333 Fuchsin Basic-Carbol solution according to Ziehl DC ... 200
251336 Gelatine Gold DC ... 202
251337 Azur-Eosin-Methylene Blue dye according to Giemsa DC ... 66
251338 Azur-Eosin-Methylene Blue solution according to Giemsa (slow) DC ... 67
251344 Hematoxylin (C.I. 75290) DC ... 210
251355 Sodium Citrate solution 3,8% DC ... 389
251377 Eosin-Methylene Blue dye according to Leishman DC ... 174
251378 Eosin-Methylene Blue solution according to Leishman DC ... 174
251389 Hayem's Liquor DC ... 209
251390 Türck's Liquor DC ... 474
251415 Eosin-Methylene Blue dye according to May Grünwald DC ... 174
251416 Eosin-Methylene Blue solution according to May Grünwald DC ... 174
251550 Benedict's Reagent qualitative DC ... 70
251551 Benedict's Reagent quantitative DC ... 70
251560 Esbach's Reagent DC ... 175
251563 Fehling's A Reagent DC ... 190
251564 Fehling's B Reagent DC ... 190
251565 Folin's A Reagent cuprotartaric DC ... 196
251566 Folin's B Reagent phosphotungstic-molybdic DC ... 196
251567 Folin-Ciocalteu's Reagent DC ... 196
251568 Folin-Denis' Reagent DC ... 196
251579 Meyer's Reagent DC ... 290
251580 Millon's Reagent DC ... 290
251585 Pandy's Reagent DC ... 309
251588 Schiff's Reagent DC ... 374
251589 Schlesinger's Reagent DC ... 374
251591 Resazurin DC ... 371
251604 Rhodamine B (C.I. 45170) DC ... 371
251611 Congo Red (C.I. 22120) DC ... 133
251618 Methyl Red solution 0,1% DC ... 288
251619 Neutral Red (C.I. 50040) DC ... 295
251622 Safranine O (C.I. 50240) DC ... 373
251623 Safranine O solution 0,2% DC ... 373
251704 Methyl Green (C.I. 42585) DC ... 284
251707 di-Sodium Oxalate 0,1 mol/l (0,1M) DC ... 408
251731 Sudan III (C.I. 26100) DC ... 440
251734 Tartrazine (C.I. 19140) DC ... 449
251742 Thionin (C.I. 52000) DC ... 454
251758 Brilliant Green (C.I. 42040) DC ... 82
251761 Malachite Oxalate Green (C.I. 42000) DC ... 265
251762 Crystal Violet (C.I. 42555) DC ... 138
251763 Crystal Violet solution 2% DC ... 138
251765 Gentian Violet (C.I. 42535+42555) DC ... 202
251766 Gentian Violet Phenique DC ... 203
251767 Eosin-Methylene Blue dye according to Wright DC ... 174
251768 Eosin-Methylene Blue solution according to Wright DC ... 174
251769 Xylene, mixture of isomers DC ... 482
251774 Lugol's Liquor DC ... 259
251803 Alcohol-Acetone 7:3 DC ... 36
251804 Alcohol-Hydrochloric 8:2 DC ... 36
251814 Orange II (C.I. 15510) DC ... 306
251820 Biuret's Reagent DC ... 80
251824 Carmine (Lacquer of carminic acid with calcium and aluminium) (C.I. 75470) DC ... 117
251837 Lactophenol DC ... 250
251858 Sudan IV (C.I. 26105) DC ... 440
251917 Carnoy's Fixing DC ... 117
251993 Orcein solution A hydroacetic-hydrochloric solution DC ... 306
251994 Orcein solution B hydroacetic solution DC ... 306
252036 Amido Black 10B (C.I. 20470) DC ... 41
252069 Sudan Black B (C.I. 26150) DC ... 440
252079 Methyl Violet (C.I. 42535) DC ... 290
252081 Phloxine B (C.I. 45410) DC ... 327
252138 Mercury(II) Nitrate 0,005 mol/l (0,01N) DC ... 273
252164 Buffer Solution pH 7,2 DC ... 95
252195 Copper(II) Sulphate solution d.1,050 DC ... 137
252311 o-Toluidine solution 6% DC ... 461
252317 Brij ® 35 aqueous solution 30% w/v DC ... 82
252321 Acridine Orange (C.I. 46005) DC ... 31
252339 Brilliant Green aqueous solution 5% DC ... 82
252373 Trichloroacetic Acid solution 20% w/v DC ... 462
252419 Azur C (C.I. 52002) DC ... 66
252531 Safranine O solution according to Gram-Hucker DC ... 373
252532 Crystal Violet Oxalate solution according to Gram-Hucker DC ... 139
252533 Safranine O solution 1% DC ... 373
252782 Eosin Bluish (C.I. 45400) DC ... 174
252908 Kovacs' Reagent DC ... 249
252913 Paraffin M.P. 56-58°C plasticized pellets DC ... 310
252931 Formaldehyde 3,7-4,0% buffered to pH=7 and stabilized with methanol DC ... 197
252974 Gill's Hematoxylin I solution DC ... 203
252998 Gill's Hematoxylin II solution DC ... 203
252999 Gill's Hematoxylin III solution DC ... 203
253139 Citrosol (Substitute of Xylene) DC ... 130
253203 Fehling's Reagent Composite DC ... 190
253209 Paraffin M.P. 51-53°C pellets DC ... 310
253211 Paraffin M.P. 56-58°C pellets DC ... 310
253295 Copper(II) Sulphate solution d.1,055 DC ... 137
253296 Copper(II) Sulphate solution d.1,053 DC ... 137
253453 Hematoxylin solution A according to Weigert DC ... 210
253454 Hematoxylin solution B according to Weigert DC ... 210
253500 Fixing B-5 DC ... 190
253524 Light Green solution 0,1% DC ... 255
253535 Toluidine Blue O solution 1% DC ... 461
253572 Formaldehyde 30-36% w/v concentrated buffered to pH=7 stabilized with methanol DC ... 197
253594 Papanicolaou's Solution EA 50 DC ... 309
253625 Van Gieson II solution DC ... 477
253681 Eukitt ®, mounting medium DC ... 189
253708 Aniline Blue WS (C.I. 42755) DC ... 60
253724 Lactophenol Blue solution DC ... 250
253857 Glutaraldehyde solution 25% DC ... 205
253892 Papanicolaou's Solution OG 6 DC ... 309
253893 Rose Bengal (C.I. 45440) DC ... 372
253934 Bismarck Brown R (C.I. 21010) DC ... 78
253935 Bismarck Brown Y (C.I. 21000) DC ... 78
253949 Harris Hematoxylin solution DC ... 209
253982 Erythrosin B (C.I. 45430) DC ... 175
253983 Ponceau S (C.I. 27195) DC ... 334
253986 Biebrich Scarlet (C.I. 26905) DC ... 77
253987 Lissamine Green B (C.I. 44090) DC ... 256
253998 Blue for fast staining (Panoptic No. 3) DC ... 80
253999 Eosin for fast staining (Panoptic No. 2) DC ... 174
254101 Fixing for fast staining (Panoptic No. 1) DC ... 190
254102 Bouin Liquor DC ... 82
254354 Carminic Acid (C.I. 75470) DC ... 117
254367 Brilliant Blue FCF (C.I. 42090) DC ... 82
254419 Nigrosine water soluble (C.I. 50420) DC ... 297
254561 Immersion Oil purified DC ... 235
254584 Alcian Blue 8 GX (C.I. 74240) DC ... 36
254615 Pararosaniline base (C.I. 42500) DC ... 311
254667 Paraffin M.P. 56-58°C plasticized + DMSO pellets DC ... 310
254766 Mayer's Hematoxylin solution DC ... 270
254807 Kit for Fast Staining in Haematology (Fast Panoptic) DC ... 248
254832 Voges Proskauer B Reagent DC ... 479
254833 Voges Proskauer A Reagent DC ... 478
254884 Kit for Staining Gram-Hucker DC ... 248
254932 Coomassie Brilliant Blue R 250 (C.I. 42660) DC ... 133
254933 Coomassie Brilliant Blue G 250 (C.I. 42655) DC ... 133
254968 Nile Blue A Chloride (C.I. 51180) DC ... 297
254990 Zenker's Fixing DC ... 485
255069 Isoparaffin H (Substitute of Xylene) DC ... 246
255075 Azur B (C.I. 52010) DC ... 66
255115 Reticulin Kit DC ... 371
255254 DPX, mounting medium fast (toluene base) DC ... 173
255281 Fixative Reagent DC ... 190
255298 Carazzi's Hematoxylin solution DC ... 113
255486 Evans Blue (C.I. 23860) DC ... 189
255598 Histofluid ®, mounting medium DC ... 219
255668 Fast Green FCF (C.I. 42053) DC ... 189
255793 Osmium(VIII) Oxide solution 4% DC ... 307
255803 Paraffin M.P. 52°C plasticized pellets DC ... 310
255805 Histofix® Substitute of Formaldehyde DC ... 219
255811 Mounting Medium for substitutes of xylene DC ... 292
256065 Vitrosec® 100 dehydrating solvent for pathological anatomy DC ... 478
256066 Vitrosec® 96 dehydrating solvent for pathological anatomy DC ... 478
256067 Vitrosec® 70 dehydrating solvent for pathological anatomy DC ... 478
256068 Vitrosec® 80 dehydrating solvent for pathological anatomy DC ... 478
256155 DPX, mounting medium slow DC ... 173
256237 Histofix® decalcifier 3 DC ... 218
256238 Histofix® decalcifier 2 DC ... 218
256239 Histofix® decalcifier 1 DC ... 218
256284 Histofix® marrow decalcifier DC ... 219
PPLAST Paraplast®Paraffin M.P. 56-58°C pellets ... 310
PPPLUS Paraplast Plus®, Paraffin M.P. 56°C + DMSO pellets ... 310
PPXTRA Paraplast X-Tra®Paraffin M.P. 52°C pellets ... 310

26 PAI (HPLC-preparative)

261090 2-Propanol (HPLC-preparative) PAI ... 363
261091 Methanol (HPLC-preparative) PAI ... 275
261881 Acetonitrile (HPLC-preparative) PAI ... 27

27 ST

272168 Buffer Solution pH 4,00 ±0,02 (20°C) ST ... 93
272170 Buffer Solution pH 7,00 ±0,02 (20°C) ST ... 93
272172 Buffer Solution pH 9,00 ±0,02 (20°C) ST ... 94
272537 Buffer Solution pH 3,00 ±0,02 (20°C) ST ... 92
272549 Buffer Solution pH 6,00 ±0,02 (20°C) ST ... 93
272580 Buffer Solution pH 1,00 ±0,02 (20°C) ST ... 92
272581 Buffer Solution pH 2,00 ±0,02 (20°C) ST ... 92
272582 Buffer Solution pH 5,00 ±0,02 (20°C) ST ... 93
272583 Buffer Solution pH 8,00 ±0,02 (20°C) ST ... 94
272584 Buffer Solution pH 10,00 ±0,05 (20°C) ST ... 94
272585 Buffer Solution pH 11,00 ±0,05 (20°C) ST ... 95
272586 Buffer Solution pH 12,00 ±0,05 (20°C) ST ... 95
272587 Buffer Solution pH 13,00 ±0,05 (20°C) ST ... 95
273107 Buffer Solution pH 9,23 ±0,02 (20°C) ST ... 94
273108 Buffer Solution pH 7,02 ±0,02 (20°C) ST ... 94
273301 Buffer Solution pH 7,40 ±0,02 (20°C) ST ... 95
273302 Buffer Solution pH 7,60 ±0,02 (20°C) ST ... 95
273526 TISAB III Concentrated solution for samples containing <3 ppm in Fe and/or Al ST ... 457
273531 TISAB IV (ASTM D 1179) for samples containing <100 ppm in Fe and/or Al ST ... 457
273616 Buffer Solution pH 4,00 ±0,02 (20°C) (red colour) ST ... 93
273617 Buffer Solution pH 7,00 ±0,02 (20°C) (yellow colour) ST ... 93
273618 Buffer Solution pH 10,00 ±0,05 (20°C) (blue colour) ST ... 94
274765 TISAB II (STANDARD METHODS/AOAC) for samples containing <3 ppm in Fe and/or Al ST ... 457
275210 TISAB I (ASTM D 1179) for samples containing <0,1 ppm in Fe and/or Al ST ... 456
275211 TISAB B (F.C.C.) in food analysis ST ... 457

28 RV

281095 Alizarin solution 0,1% RV ... 36
281109 Methyl Yellow solution 0,5% RV ... 290
281166 Bromophenol Blue solution 0,04% RV ... 90
281168 Bromothymol Blue solution 0,04% RV ... 91
281175 Thymol Blue solution 0,04% RV ... 455
281280 Complexon-Magnesium 0,1 mol/l RV ... 133
281298 Indicator Solvent RV ... 235
281326 Phenolphthalein solution 0,2% RV ... 323
281327 Phenolphthalein solution 1% RV ... 323
281366 Alum Iron Ammonium saturated solution RV ... 41
281370 Universal Indicator of pH, solution RV ... 327
281380 Acidimetric Liquor titrated RV ... 31
281381 Acidimetric Liquor titrated RV ... 31
281384 Acidimetric Liquor titrated RV ... 31
281385 Empiric Liquor titrated RV ... 174
281432 Methyl Orange solution 0,1% RV ... 285
281433 Methyl Orange solution 0,04% RV ... 285
281437 Murexide 1% in Sodium Chloride RV ... 292
281440 Eriochrome Black T solution 1% RV ... 175
281463 Silver Nitrate volumetric solution 2,9067% RV ... 378
281495 Potassium Chloride saturated solution RV ... 339
281498 Potassium Chromate solution 5% w/v RV ... 340
281499 Potassium Chromate solution 10% w/v RV ... 340
281547 Bromocresol Purple solution 0,04% RV ... 86
281572 Hanus Reagent 0,1 mol/l (0,2N) RV ... 209
281574 Karl Fischer's Reagent Composite RV ... 248
281590 Wijs' Reagent 0,1 mol/l (0,2N) RV ... 481
281614 Cresol Red solution 0,04% RV ... 138
281616 Phenol Red solution 0,02% RV ... 323
281618 Methyl Red solution 0,1% RV ... 288
281620 Neutral Red solution 0,1% RV ... 295
281634 Sodium Acetate 1 mol/l (1M) RV ... 381
281730 Buffer Solution pH 10 RV ... 91
281740 Thymolphthalein solution 0,1% RV ... 455
281748 Litmus stain RV ... 259
281760 Bromocresol Green solution 0,04% RV ... 86
281764 Crystal Violet solution 0,5% in acetic acid RV ... 139
281956 Formamide AQUAMETRIC KF dry RV ... 198
282222 Boric Acid solution 4% RV ... 81
282268 Potassium Nitrate 1 mol/l RV ... 354
282298 Sodium Acetate 0,1 mol/l (0,1M) RV ... 380
282420 Karl Fischer's Reagent Solution A RV ... 248
282421 Karl Fischer's Reagent Solution B RV ... 248
282430 Indicator 4,4, Mixed (Methyl Red-Methylene Blue) RV ... 235
282775 Potassium Chloride 3 mol/l RV ... 339
282861 Bromocresol Purple solution 0,025% RV ... 86
282922 Silver Sulphate solution 6,6 g/l in sulphuric acid RV ... 379
282923 Potassium Chloride 3 mol/l + Silver Chloride RV ... 339
282928 Boric Acid solution 3% RV ... 81
283098 Silver Sulphate solution 10 g/l in sulphuric acid RV ... 379
283146 Starch solution 1% RV ... 437
283303 Indicator 4,8, Mixed (Methyl Red-Bromocresol Green) RV ... 235
283334 Ammonia Fixative Solution 1% RV ... 47
283357 Bromocresol Purple 0,2% tablets 0,1g RV ... 87
283462 Ferroin solution 0,025 mol/l (0,025M) RV ... 190
284289 Mercury(II) Sulphate sol. 200 g/l in diluted sulphuric acid RV ... 274
284291 Silver Sulphate solution 80 g/l in sulphuric acid RV ... 379
285249 Lithium Chloride 1 mol/l in glacial acetic acid RV ... 258
285250 Lithium Chloride 1 mol/l in ethanol RV ... 258
285251 Diaphragms Cleaning Solution RV ... 148
285252 Protein Cleaning Solution RV ... 366
285253 Electrode-Reactivating Solution RV ... 173
285316 Aluminium Sulphate 0,9 mol/l RV ... 40
285406 Indicator Buffer Tablets RV ... 235
285812 AQUAMETRIC Composite 5 RV ... 61
285813 AQUAMETRIC Composite 2RV ... 61
285814 AQUAMETRIC Composite 5K RV ... 61
285815 AQUAMETRIC Titrant 5 RV ... 62
285816 AQUAMETRIC Titrant 2 RV ... 62
285817 AQUAMETRIC Solvent RV ... 62
285818 AQUAMETRIC Solvent Oil RV ... 62
285819 AQUAMETRIC Solvent CM RV ... 62
285820 AQUAMETRIC Buffer RV ... 61
285821 AQUAMETRIC Working Medium RV ... 62
285831 Potassium di-Hydrogen Phosphate 1/15 mol/l (1/15M) RV ... 347
286079 Zeleny's Reagent RV ... 485
286154 AQUAMETRIC Solvent Oil B RV ... 62
286181 AQUAMETRIC Coulomat A RV ... 61
286182 AQUAMETRIC Coulomat C RV ... 62
286195 Nitric Acid 4 mol/l (4N) RV ... 301
286236 Ammonia Fixative Solution 4% RV ... 47
286330 Indicator, Mixed (Dimidium Bromide-Disulphine Blue) RV ... 235

29 STc

293164 pH Buffer 4,01 ±0,02 (25°C) (capsules) STc ... 91
293165 pH Buffer 7,00 ±0,02 (25°C) (capsules) STc ... 92
293166 pH Buffer 9,00 ±0,02 (25°C) (capsules) STc ... 92
293167 pH Buffer 10,00 ±0,02 (25°C) (capsules) STc ... 92

30 SVc

303110 Hydrochloric Acid 0,1 mol (3,646g HCl) to prepare 1l of 0,1N solution SVc ... 226
303111 Hydrochloric Acid 0,5 mol (18,230g HCl) to prepare 1l of 0,5N solution SVc ... 226
303112 Hydrochloric Acid 1 mol (36,461g HCl) to prepare 1l of 1N solution SVc ... 226
303113 Oxalic Acid 0,05 mol (6,303g $C_2H_2O_4$) to prepare 1l of 0,1N solution SVc ... 307
303114 Sulphuric Acid 0,05 mol (4,904g H_2SO_4) to prepare 1l of 0,1N solution SVc ... 445
303115 Sulphuric Acid 0,5 mol (49,039g H_2SO_4) to prepare 1l of 1N solution SVc ... 446
303116 Ammonium Thiocyanate 0,1 mol (7,612g NH_4SCN) to prepare 1l of 0,1N solution SVc ... 59
303117 Silver Nitrate 0,1 mol (16,987g $AgNO_3$) to prepare 1l of 0,1N solution SVc ... 378

303118 Ethylenediaminetetraacetic Acid Disodium Salt 0,1 mol (37,224g $C_{10}H_{14}N_2Na_2O_8.2H_2O$) to prep.1l of 0,1M sol. SVc ... 185
303119 Iodine 0,05 mol (12,690g I_2) to prepare 1l of 0,1N solution SVc ... 237
303120 Potassium Dichromate 1/60 mol (4,903g $K_2Cr_2O_7$) to prepare 1l of 0,1N solution SVc ... 342
303121 Potassium Hydroxide 0,1 mol (5,611g KOH) to prepare 1l of 0,1N solution SVc ... 350
303122 Potassium Hydroxide 0,5 mol (28,054g KOH) to prepare 1l of 0,5N solution SVc ... 351
303123 Potassium Hydroxide 1 mol (56,109g KOH) to prepare 1l of 1N solution SVc ... 351
303124 Potassium Permanganate 0,02 mol (3,161g $KMnO_4$) to prepare 1l of 0,1N solution SVc ... 356
303125 Sodium Hydroxide 0,1 mol (4,000g NaOH) to prepare 1l of 0,1N solution SVc ... 402
303126 Sodium Hydroxide 1 mol (40,00g NaOH) to prepare 1l of 1N solution SVc ... 403
303127 Sodium Thiosulphate 0,1 mol (24,818g $Na_2S_2O_3.5H_2O$) to prepare 1l of 0,1N solution SVc ... 417

31 AA

312682 Fluoride standard solution F=1,000±0,005 g/l AA ... 421
312683 Silicon standard solution Si=1,00±0,05 g/l AA ... 422
313170 Aluminium standard solution Al=1,000±0,002 g/l AA ... 421
313171 Arsenic standard solution As=1,000±0,002 g/l AA ... 421
313172 Barium standard solution Ba=1,000±0,002 g/l AA ... 421
313174 Bismuth standard solution Bi=1,000±0,002 g/l AA ... 421
313175 Cadmium standard solution Cd=1,000±0,002 g/l AA ... 421
313176 Calcium standard solution Ca=1,000±0,002 g/l AA ... 421
313177 Cobalt standard solution Co=1,000±0,002 g/l AA ... 421
313178 Copper standard solution Cu=1,000±0,002 g/l AA ... 421
313179 Chromium standard solution Cr=1,000±0,002 g/l AA ... 421
313180 Tin standard solution Sn=1,000±0,002 g/l AA ... 423
313181 Strontium standard solution Sr=1,000±0,002 g/l AA ... 423
313182 Iron standard solution Fe=1,000±0,002 g/l AA ... 422
313183 Lithium standard solution Li=1,000±0,002 g/l AA ... 422
313184 Magnesium standard solution Mg=1,000±0,002 g/l AA ... 422
313185 Manganese standard solution Mn=1,000±0,002 g/l AA ... 422
313186 Mercury standard solution Hg=1,000±0,002 g/l AA ... 422
313187 Nickel standard solution Ni=1,000±0,002 g/l AA ... 422
313188 Silver standard solution Ag=1,000±0,002 g/l AA ... 422
313189 Lead standard solution Pb=1,000±0,002 g/l AA ... 422
313190 Potassium standard solution K=1,000±0,002 g/l AA ... 422
313191 Selenium standard solution Se=1,000±0,002 g/l AA ... 422
313192 Sodium standard solution Na=1,000±0,002 g/l AA ... 422
313193 Zinc standard solution Zn=1,000±0,002 g/l AA ... 423
313672 Gold standard solution Au=1,000±0,002 g/l AA ... 422
313960 Titanium standard solution Ti=1,000±0,002 g/l AA ... 423
314111 Molybdenum standard solution Mo=1,000±0,002 g/l AA ... 422
314133 Antimony standard solution Sb=1,000±0,002 g/l AA ... 421
314240 Sulphate standard solution SO_4=1,000±0,002 g/l AA ... 423

32 PAI(PAR)

321007 Acetone (PAR) PAI ... 25
321074 Water (PAR) PAI ... 479
321090 2-Propanol (PAR) PAI ... 363
321091 Methanol (PAR) PAI ... 276
321250 Cyclohexane (PAR) PAI ... 140
321252 Trichloromethane stabilized with ethanol (PAR) PAI ... 465
321254 Dichloromethane stabilized with ~20 ppm of amylene (PAR) PAI ... 152
321315 Petroleum Ether 40-60°C (PAR) PAI ... 318
321318 Ethyl Acetate (PAR) PAI ... 181
321347 Hexane, alkanes mixture (PAR) PAI ... 216
321745 Toluene (PAR) PAI ... 458
321881 Acetonitrile (PAR) PAI-ACS ... 28
322006 n-Pentane (PAR) PAI ... 311
322064 Isooctane (PAR) PAI ... 245
322551 Diethyl Ether stabilized with ethanol (PAR) PAI ... 157
323242 n-Hexane 95% (PAR) PAI ... 215
323312 tert-Butyl Methyl Ether (PAR) PAI ... 101
324462 n-Pentane 95% (PAR) PAI ... 312
325708 Sodium Sulphate anhydrous, granulated (PAR) PAI ... 413
325709 Sodium Sulphate anhydrous, powder (PAR) PAI ... 413
326165 Mixture Cyclohexane/Ethyl Acetate 1:1 v/v (PAR) PAI ... 290

33 PAI (IR)

331003 Vaseline Oil (IR) PAI ... 477
331245 Carbon Tetrachloride (IR) (E.U.) PAI ... 115
331489 Potassium Bromide (IR) PAI ... 336

34 CRS

345268 Reference Standard for Oenology (Red Wine) CRS ... 437
345269 Standard for Oenology (Methanol and Higher Alcohols) CRS ... 437
345271 Reference Standard for Oenology (White Wine) CRS ... 437
345411 Reference Standard for Olive Oil CRS ... 436

35 CG

352615 N-(Trimethylsilyl) Diethylamine CG ... 471
352616 N-(Trimethylsilyl) Imidazole CG ... 471
352776 Chlorotrimethylsilane CG ... 126
353316 Trifluoroacetic Anhydride CG ... 469
355584 Heptafluorobutyric Anhydride CG ... 210
355585 Trimethylsulphonium Hydroxide 0,2 mol/l in methanol CG ... 471
355587 N-Methyl-N-(Trimethylsilyl) Trifluoroacetamide CG ... 289
355588 N,O-Bis (Trimethylsilyl) Trifluoroacetamide CG ... 79
355590 N-Methyl-Bis (Trifluoroacetamide) CG ... 281
355599 Hexamethyldisilazane CG ... 213
355600 N,N-Dimethylformamide-Dimethylacetal CG ... 166
355650 Silan-Sterol-1 CG ... 375
355788 N,O-Bis (Trimethylsilyl) Acetamide CG ... 79

36 PAI (UV-IR-HPLC-HPLC isocratique GPC)

361007 Acetone (UV-IR-HPLC-GPC) PAI-ACS ... 25
361008 Acetic Acid glacial (HPLC) PAI ... 22
361074 Water (UV-HPLC) PAI-ACS ... 479
361082 1-Butanol (UV-IR-HPLC) PAI ... 96
361085 Ethanol 96% v/v (UV-IR-HPLC) PAI ... 178
361086 Ethanol absolute (UV-IR-HPLC) PAI ... 176
361089 Isobutanol (UV-IR-HPLC) PAI ... 242
361090 2-Propanol (HPLC) PAI ... 363
361091 Methanol (UV-IR-HPLC-HPLC isocratic) PAI-ACS ... 275
361192 Benzene (UV-IR-HPLC-GPC) PAI-ACS ... 71
361244 Carbon Disulphide (UV-IR-HPLC) PAI ... 114
361245 Carbon Tetrachloride (UV-HPLC-GPC) (E.U.) PAI ... 115
361250 Cyclohexane (UV-IR-HPLC) PAI-ACS ... 140
361252 Trichloromethane stabilized with ethanol (UV-IR-HPLC-HPLC preparative) PAI ... 465
361254 Dichloromethane stabilized with ~20 ppm of amylene (UV-IR-HPLC-HPLC preparative-GPC) PAI-ACS ... 152
361286 1,2-Dichloroethane (UV-IR-HPLC-GPC) PAI ... 151
361296 1,4-Dioxan stabilized with ~2 ppm of BHT (UV-IR-HPLC) PAI ... 170
361315 Petroleum Ether 40-60°C (UV) PAI ... 318
361318 Ethyl Acetate (UV-IR-HPLC-HPLC preparative) PAI-ACS ... 180
361347 Hexane, alkanes mixture (HPLC) PAI ... 216
361429 Butanone (Methylethylketone) (UV-IR-HPLC) PAI ... 97
361455 Tetrachloroethylene (UV-IR-HPLC-GPC) PAI ... 451
361736 Tetrahydrofuran (UV-IR-HPLC-GPC) PAI ... 451
361745 Toluene (UV-IR-HPLC-HPLC preparative-GPC) PAI-ACS ... 458
361785 N,N-Dimethylformamide (UV-IR-HPLC-GPC) PAI-ACS ... 164
361881 Acetonitrile (UV-IR-HPLC-isocratic) PAI-ACS ... 27
361885 1-Propanol (UV-IR-HPLC-HPLC preparative) PAI ... 361
361892 1,2-Dichlorobenzene (UV-HPLC-GPC) PAI ... 150
361954 Dimethyl Sulphoxide (UV-IR-HPLC-GPC) PAI ... 167
362006 n-Pentane (UV-IR-HPLC) PAI ... 311
362062 n-Heptane (UV-IR-HPLC-HPLC preparative) PAI ... 210
362063 n-Hexane (UV-IR-HPLC) PAI ... 214
362064 Isooctane (UV-IR-HPLC) PAI-ACS ... 245
362363 Sodium Dodecyl Sulphate (HPLC) PAI ... 391
362551 Diethyl Ether stabilized with ethanol (UV-IR-HPLC) PAI ... 157
363080 1-Methyl-2-Pyrrolidone (UV-IR-HPLC-GPC) PAI ... 287
363101 Trichloromethane stabilized with ~150 ppm of amylene (HPLC-GPC) PAI ... 463
363145 N,N-Dimethylacetamide (UV-IR-HPLC) PAI ... 162
363242 n-Hexane 95% (UV-IR-HPLC) PAI-ACS ... 215
363266 1,1,2-Trichlorotrifluoroethane (UV-IR-HPLC) (E.U.) PAI ... 467
363312 tert-Butyl Methyl Ether (UV-IR-HPLC-HPLC preparative) PAI ... 101
363317 Trifluoroacetic Acid (UV) PAI ... 469
363428 1-Hexane Sulphonic Acid Sodium Salt (HPLC) PAI ... 217
363501 Isopentane (UV-IR-HPLC) PAI ... 246
363541 1,2,4-Trichlorobenzene (UV-IR-HPLC-GPC) PAI ... 462
363622 Tetrabutylammonium Hydrogen Sulphate (HPLC) PAI ... 450
363995 1-Octane Sulphonic Acid Sodium Salt (HPLC) PAI ... 305
364343 1-Chlorobutane (UV-IR-HPLC) PAI ... 124
364462 n-Pentane 95% (UV-IR-HPLC) PAI ... 312
364896 1-Pentane Sulphonic Acid Sodium Salt (HPLC) PAI ... 313
364897 1-Heptane Sulphonic Acid Sodium Salt (HPLC) PAI ... 212
365261 Isohexane (UV-IR-HPLC) PAI ... 244
365732 Propionitrile (UV-HPLC) PAI ... 365
365769 1-Butane Sulphonic Acid Sodium Salt (HPLC) PAI ... 96

37 PB

371126 Ammonium di-Hydrogen Phosphate PB ... 53
371136 di-Ammonium Oxalate 1-hydrate PB ... 56
371231 Calcium Nitrate 4-hydrate PB ... 110
371274 Cholesterol PB ... 127
371283 Creatinine PB ... 137
371343 L-Glutamine PB ... 205
372034 L-Aspartic Acid PB ... 65
372042 L-Glutamic Acid PB ... 204
372043 L-Alanine PB ... 35
372045 L-Histidine PB ... 217
372046 L-Leucine PB ... 255
372047 L-Phenylalanine PB ... 324
372049 L-Tryptophan PB ... 473
372051 DL-Malic Acid PB ... 266
372055 L-Cysteine mono-Hydrochloride PB ... 144
372074 D(-)-Ribose PB ... 372
372078 D(+)-Trehalose 2-hydrate PB ... 461
372173 D(+)-Galactose PB ... 202
372198 L-Histidine mono-Hydrochloride 1-hydrate PB ... 218
372363 Sodium Dodecyl Sulphate PB ... 391
372383 Sodium Pyruvate PB ... 412
372728 D(-)-Fructose PB ... 200
372837 3,5-Dinitrosalicylic Acid PB ... 169
372880 L-Isoleucine PB ... 244
373059 Sodium Alginate PB ... 381
373064 D(-)-Sorbite PB ... 420
373195 D(+)-Mannose PB ... 269
373309 Acrylamide PB ... 32
373317 Trifluoroacetic Acid PB ... 469
373464 L-Arginine PB ... 63
373645 L-Cystine PB ... 144
373646 L-Proline PB ... 360
373654 Tris (Hydroxymethyl) Aminomethane Hydrochloride PB ... 472
373677 D(-)-Salicin PB ... 373
374113 Agarose Type I standard PB ... 34
374114 Agarose Type II EEO (-Mr): 0,09-0,13 PB ... 34
374115 Agarose Type III EEO (-Mr): 0,16-0,19 PB ... 34
374116 Agarose Type IV EEO (-Mr): 0,23-0,26 PB ... 34
374117 Agarose Type V EEO (-Mr): ≥0,3 PB ... 34
374229 Guanidinium Chloride PB ... 209
374653 L-Arginine mono-Hydrochloride PB ... 64
374798 Agarose Type BM V PB ... 35
374799 Agarose Type VI low melting point of gel PB ... 34
374800 Agarose Type VII low melting point of gel PB ... 34
374801 Agarose Type VIII very low melting point of gel PB ... 34
374802 Agarose Type IX extra low melting point of gel PB ... 35
374803 Agarose Type SD 12 PB ... 35
374804 Agarose Type SD 8 PB ... 35
374805 Agarose Type SD 4 PB ... 35
374947 Glycerol tri-Butyrate PB ... 207
374948 Oxytetracycline Hydrochloride PB ... 308
374950 2,3,5-Triphenyl-2H-Tetrazolium Chloride PB ... 471
374952 Polymyxin B Sulphate PB ... 332
375228 Piperazine-1,4-Bis (2-Ethanesulphonic) Acid PB ... 331
375229 2-[4(2-Hydroxyethyl)-1-Piperazinyl] Ethanesulphonic Acid PB ... 232
375230 3-Morpholinopropanesulphonic Acid PB ... 292
375266 Cycloheximide PB ... 142
375301 Cacodylic Acid Sodium Salt 3-hydrate PB ... 102
375494 1H-Indole-3-Butyric Acid PB ... 236
375503 D-Cycloserine PB ... 143
375505 N-(2-Acetamido) 2-Aminoethanesulphonic Acid PB ... 20
375545 Nalidixic Acid PB ... 293
375763 D(-)-Arabinose PB ... 63
375765 L(+)-Arabinose PB ... 63
375766 L(+)-Rhamnose 1-hydrate PB ... 371
375785 2-Deoxy-D-Galactose PB ... 145
375786 D(-)-Erythrose 70% PB ... 175
375791 L-Glutathione reduced PB ... 205
375810 L(-)-Fucose PB ... 200
375828 2-Deoxy-D-Ribose PB ... 145
375884 2-Deoxy-D-Glucose PB ... 145
375885 D(+)-Raffinose 5-hydrate PB ... 370
375886 D(+)-Cellobiose PB ... 118
375887 D(+)-Fucose PB ... 200
376021 2-Morpholinoethanesulphonic Acid 1-hydrate PB ... 292
376095 5-Bromo-6-Chloro-3-Indolyl-β-D-Glucuronide Cyclohexylammonium Salt PB ... 86
376104 4-Methylumbelliferyl-β-D-Glucuronide 3-hydrate PB ... 289
376105 5-Bromo-4-Chloro-3-Indolyl-β-D-Galactopyranoside PB ... 85
376136 N,N-Bis (2-Hydroxyethyl) Glycine PB ... 78
376137 2,2-Bis (Hydroxyethyl)-Imino tris (Hydroxymethyl) Methane PB ... 78
376138 3-Cyclohexylaminopropanesulphonic Acid PB ... 142
376139 3-(Cyclohexylamino) 2-Hydroxy-1-Propanesulphonic Acid PB ... 142
376140 2-Cyclohexylaminoethanosulphonic Acid PB ... 142
376141 3-[4(2-Hydroxyethyl)-1-Piperazinyl] Propanesulphonic Acid PB ... 232
376142 Glycylglycine PB ... 208
376143 2-Hydroxy-3-[4(2-Hydroxyethyl)-1-Piperazinyl] Propanesulphonic Acid 1-hydrate PB ... 232
376145 2-Hydroxy-3-Morpholinopropanesulphonic Acid PB ... 233
376146 N-[Tris (Hydroxymethyl) Methyl] 3-Aminopropanesulphonic Acid PB ... 473
376147 2-Hydroxy-N-[Tris (Hydroxymethyl) Methyl] 3-Aminopropanesulphonic Acid PB ... 234
376148 N-[Tris (Hydroxymethyl) Methyl] 2-Aminoethanesulphonic Acid PB ... 473
376149 N-[Tris (Hydroxymethyl) Methyl] Glycine PB ... 473
376152 3-Indoxyl-β-D-Glucopyranoside anhydrous PB ... 236
376287 Polyanetholesulphonic Acid Sodium Salt PB ... 331

38 ANALPUR

381020 Hydrochloric Acid 37% (TMA) ANALPUR ... 222
383255 Nitric Acid 65% (TMA) ANALPUR ... 300

39 RS

394545 COD Standard (7.000 ppm) RS ... 423
394546 COD Standard (1.000 ppm) RS ... 423
394547 COD Standard (150 ppm) RS ... 423
394640 COD Standard (500 ppm) RS ... 423
394641 COD Standard (3.000 ppm) RS ... 423
394642 COD Standard (50 ppm) RS ... 423
394657 Conductivity Standard 5446 µS/cm (25°C) RS ... 424
394658 Conductivity Standard 12,88 mS/cm (25°C) RS ... 424
394659 Conductivity Standard 1413 µS/cm (25°C) RS ... 423
395138 Kit for HPLC Linearity Verification RS ... 248
395442 Redox Standard 468 mV (25°C) RS ... 436
395443 Redox Standard 220 mV (25°C) RS ... 436
395458 Karl Fischer Water Standard 10,0 mg/g RS ... 437
395459 Karl Fischer Water Standard 1,00 mg/g RS ... 437
395460 Standard for UV-VISible Spectrophotometry: solution for the stray light control (Ph. Eur.) RS ... 436
395461 Standard for UV-VISible Spectrophotometry: solution for the control of the spectral resolution (Ph. Eur.) RS ... 436
395462 Standard for UV-VISible Spectrophotometry: solution for the absorbance control (Ph. Eur.) RS ... 436
395464 Turbidity Standard Solution A RS ... 437
395465 Turbidity Standard Solution B RS ... 437
395508 Colour Standard Pt-Co, 500 APHA RS ... 423
396070 Standard for UV-VISible Spectrophotometry: solution for the wavelength control (Ph. Eur.) RS ... 436

40 CULTIMED (Ingredients)

401792 Agar, Technical (Ingredient) CULTIMED ... 33,496
402302 Agar, Bacteriological European Type (Ingredient) CULTIMED ... 33,496
402303 Agar, Bacteriological American Type (Ingredient) CULTIMED ... 33,496
402876 Hemoglobine (Additive) CULTIMED ... 210, 496
403682 Tryptone (Ingredient) CULTIMED ... 473, 497
403683 Meat Peptone (Ingredient) CULTIMED ... 270, 496
403684 Soy Peptone (Ingredient) CULTIMED ... 420, 497
403685 Ox Bile (Ingredient) CULTIMED ... 308, 497
403686 Gelatine Peptone (Ingredient) CULTIMED ... 202, 496
403687 Yeast Extract (Ingredient) CULTIMED ... 484, 497
403690 Malt Extract (Ingredient) CULTIMED ... 266, 496
403691 Casein Peptone Hydrolyzed (Ingredient) CULTIMED ... 118, 496
403692 Meat Extract (Ingredient) CULTIMED ... 270, 496
403695 Peptone, Bacteriological (Ingredient) CULTIMED ... 314, 497
403896 Bile Salts n° 3 (Ingredient) CULTIMED ... 77, 496
403898 Casein Peptone (Ingredient) CULTIMED ... 118, 496
403901 Proteose Peptone (Ingredient) CULTIMED ... 367, 497
403902 Gelatine, Bacteriological (Ingredient) CULTIMED ... 202, 496
403903 Tryptose (Ingredient) CULTIMED ... 474, 497
403904 Agar, Purified (Ingredient) CULTIMED ... 33,496
403939 Proteose Peptone n° 3 (Ingredient) CULTIMED ... 367, 497
404140 Mycological Peptone (Ingredient) CULTIMED ... 292, 497
404148 Potato Starch (Ingredient) CULTIMED ... 360, 497

41 CULTIMED (Dehydrated Culture Media)

413734 Amies Transport Medium without Charcoal (Dehydrated Culture Media) CULTIMED ... 498
413735 Antibiotic Medium n° 1 (USP) (Dehydrated Culture Media) CULTIMED ... 498

413736 Antibiotic Medium nº 2 (USP) (Dehydrated Culture Media) CULTIMED 498
413737 Antibiotic Medium nº 3 (USP) (Dehydrated Culture Media) CULTIMED 498
413738 Antibiotic Medium nº 5 (USP) (Dehydrated Culture Media) CULTIMED 498
413739 Antibiotic Medium n° 8 (Dehydrated Culture Media) CULTIMED 498
413740 Antibiotic Medium n° 11 (Dehydrated Culture Media) CULTIMED 498
413741 Blood Azide Agar Base (Dehydrated Culture Media) CULTIMED 500
413742 Rothe Broth (Glucose Azide Broth) (Dehydrated Culture Media) CULTIMED 511
413743 EVA Broth (Ethyl Violet Azide) (Dehydrated Culture Media) CULTIMED 503
413744 Baird-Parker Agar Base (Ph. Eur.) (Dehydrated Culture Media) CULTIMED 499
413745 Violet Red Bile Glucose Agar (VRBG) (Ph. Eur.) (Dehydrated Culture Media) CULTIMED 516
413746 Violet Red Bile Lactose Agar (VRBL) (Dehydrated Culture Media) CULTIMED 516
413747 Brilliant Green Bile Agar (Dehydrated Culture Media) CULTIMED 500
413748 Brilliant Green Bile 2% Broth (Dehydrated Culture Media) CULTIMED 500
413749 Bismuth Sulphite Agar (Dehydrated Culture Media) CULTIMED 499
413750 Bordet Gengou Agar Base (Dehydrated Culture Media) CULTIMED 500
413751 Columbia Agar Base (Ph. Eur.) (Dehydrated Culture Media) CULTIMED 501
413752 Pseudomonas CN Agar Base (UNE-EN 12780:2002) (Dehydrated Culture Media) CULTIMED 510
413753 CLED Medium (Dehydrated Culture Media) CULTIMED 501
413754 Desoxycholate Agar (Dehydrated Culture Media) CULTIMED 502
413755 Desoxycholate Citrate Agar (Ph. Eur.) (Dehydrated Culture Media) CULTIMED 502
413756 Desoxycholate Citrate Lactose Agar (Dehydrated Culture Media) CULTIMED 502
413757 Desoxycholate Lactose Saccharose Agar (Dehydrated Culture Media) CULTIMED 502
413758 Potato Glucose Agar (Dehydrated Culture Media) CULTIMED 510
413759 DNase Agar (Dehydrated Culture Media) CULTIMED 502
413760 Endo Agar Base (Dehydrated Culture Media) CULTIMED 503
413761 EC Medium (Dehydrated Culture Media) CULTIMED 502
413762 Eosin Methylene Blue Agar (EMB) (Dehydrated Culture Media) CULTIMED 503
413763 Eosin Methylene Blue Agar acc. to Levine (EMB Levine) (Dehydrated Culture Media) CULTIMED 503
413764 Staphylococcus Medium n° 110 (Dehydrated Culture Media) CULTIMED 513
413765 Giolitti-Cantoni Broth (Dehydrated Culture Media) CULTIMED 504
413767 GC Agar Base (Dehydrated Culture Media) CULTIMED 504
413768 Hektoen Enteric Agar (Dehydrated Culture Media) CULTIMED 504
413769 Kligler Iron Agar (Dehydrated Culture Media) CULTIMED 505
413770 Lysine Iron Agar (Dehydrated Culture Media) CULTIMED 506
413771 Triple Sugar Iron Agar (Ph. Eur.) (Dehydrated Culture Media) CULTIMED 514
413772 Brain Heart Infusion Agar (BHI) (Dehydrated Culture Media) CULTIMED 500
413773 KF Streptococcus Agar (Dehydrated Culture Media) CULTIMED 505
413774 King A Medium (Dehydrated Culture Media) CULTIMED 505
413775 King B Medium (Dehydrated Culture Media) CULTIMED 505
413776 Lactosed Broth (Ph. Eur.) (Dehydrated Culture Media) CULTIMED 505
413777 Brain Heart Infusion (BHI) (Dehydrated Culture Media) CULTIMED 500
413778 Cary-Blair Transport Medium (Dehydrated Culture Media) CULTIMED 501
413779 MacConkey Agar (Ph. Eur.) (Dehydrated Culture Media) CULTIMED 506
413780 MacConkey Broth (Ph. Eur.) (Dehydrated Culture Media) CULTIMED 507
413781 Malt Extract Agar (Dehydrated Culture Media) CULTIMED 507
413782 Mannitol Motility Medium (Dehydrated Culture Media) CULTIMED 507
413783 Mannitol Salt Agar (Dehydrated Culture Media) CULTIMED 507
413784 MRS Agar (Dehydrated Culture Media) CULTIMED 508
413785 MRS Broth (Dehydrated Culture Media) CULTIMED 508
413786 MR-VP Medium (Dehydrated Culture Media) CULTIMED 508
413787 Mueller-Hinton Agar (Dehydrated Culture Media) CULTIMED 508
413788 Mueller-Hinton Broth (Dehydrated Culture Media) CULTIMED 508
413790 Nickerson Medium (Dehydrated Culture Media) CULTIMED 508
413791 WL Nutrient Agar (Dehydrated Culture Media) CULTIMED 517
413792 Nutrient Agar (Dehydrated Culture Media) CULTIMED 508
413793 Nutrient Broth (Dehydrated Culture Media) CULTIMED 509
413794 Peptone Water (Dehydrated Culture Media) CULTIMED 510
413795 Buffered Peptone Water (ISO 6579:2002) (Dehydrated Culture Media) CULTIMED 500
413796 Pseudomonas-F Agar (Dehydrated Culture Media) CULTIMED 510
413797 Raka-Ray Agar Base (Dehydrated Culture Media) CULTIMED 510
413798 Rappaport Broth (Dehydrated Culture Media) CULTIMED 510
413799 Standard Methods Agar (APHA) (ISO 4833:2003) (Dehydrated Culture Media) CULTIMED 513
413800 Rogosa SL Agar (Dehydrated Culture Media) CULTIMED 511
413801 Nutrient Gelatine (Dehydrated Culture Media) CULTIMED 509
413802 Sabouraud Glucose Agar (Ph. Eur.) (Dehydrated Culture Media) CULTIMED 511
413803 Sabouraud Maltose Agar (Dehydrated Culture Media) CULTIMED 512
413804 Sabouraud Liquid Medium (Dehydrated Culture Media) CULTIMED 512
413805 Salmonella Shigella Agar (Dehydrated Culture Media) CULTIMED 512
413806 Blood Agar Base (Dehydrated Culture Media) CULTIMED 499
413807 Schaedler Agar (Dehydrated Culture Media) CULTIMED 512
413808 Schaedler Broth (Dehydrated Culture Media) CULTIMED 512
413809 Selenite Cystine Broth (Dehydrated Culture Media) CULTIMED 512
413810 SIM Medium (Dehydrated Culture Media) CULTIMED 513
413811 Simmons Citrate Agar (Dehydrated Culture Media) CULTIMED 513
413812 Slanetz Bartley Medium (ISO 7899-2:2000) (Dehydrated Culture Media) CULTIMED 513
413813 Stuart Transport Medium (Dehydrated Culture Media) CULTIMED 513
413814 Tetrathionate Broth Base (Dehydrated Culture Media) CULTIMED 514
413815 Thioglycollate (USP), Liquid Medium (Dehydrated Culture Media) CULTIMED 514
413816 Thioglycollate Medium without Indicator (Dehydrated Culture Media) CULTIMED 514
413817 TCBS Cholera Medium (Dehydrated Culture Media) CULTIMED 514
413818 Todd Hewitt Broth (Dehydrated Culture Media) CULTIMED 514
413819 Tryptone Soy Agar (TSA) (Ph. Eur.) (Dehydrated Culture Media) CULTIMED 515
413820 Tryptone Soy Broth (TSB) (Ph. Eur.) (Dehydrated Culture Media) CULTIMED 515
413821 Urea Agar Base (Dehydrated Culture Media) CULTIMED 515
413822 Urea Broth Base (Dehydrated Culture Media) CULTIMED 515
413823 Brilliant Green Agar (Ph. Eur.) (Dehydrated Culture Media) CULTIMED 500
413824 Selenite Broth Base (Dehydrated Culture Media) CULTIMED 512
413825 Vogel-Johnson Agar (Dehydrated Culture Media) CULTIMED 516
413826 XLD Medium (Ph. Eur.) (Dehydrated Culture Media) CULTIMED 517
413827 Lauryl Tryptose Broth (Dehydrated Culture Media) CULTIMED 506
413828 Lysine Decarboxylase Broth (Dehydrated Culture Media) CULTIMED 506
413829 EE Broth (Ph. Eur.) (Dehydrated Culture Media) CULTIMED 503
413830 Calcium Caseinate Agar (Dehydrated Culture Media) CULTIMED 501
413831 Chapman-Stone Agar (Dehydrated Culture Media) CULTIMED 501
413832 Malt Extract Broth (Dehydrated Culture Media) CULTIMED 507
413833 TSN Agar (Dehydrated Culture Media) CULTIMED 515
413835 Bile Esculin Agar (Dehydrated Culture Media) CULTIMED 499
413837 Brucella Agar Base (Dehydrated Culture Media) CULTIMED 500
413838 Czapek Dox Agar (modified) (Dehydrated Culture Media) CULTIMED 502
413840 Glucose Agar (Dehydrated Culture Media) CULTIMED 504
413841 Tryptone Glucose Agar (Dehydrated Culture Media) CULTIMED 515
413842 Sabouraud Glucose Agar+Chloramphenicol (Ph. Eur.) (Dehydrated Culture Media) CULTIMED 511
413843 WL Differential Agar (Dehydrated Culture Media) CULTIMED 517
413844 Tryptone Glucose Extract Agar (Dehydrated Culture Media) CULTIMED 515
413845 MacConkey Agar n° 2 (Dehydrated Culture Media) CULTIMED 506
413846 Dermasel Agar (Mycobiotic Agar) (Dehydrated Culture Media) CULTIMED 502
413847 Glucose Broth (Dehydrated Culture Media) CULTIMED 504
413897 Yeast Extract Agar (Dehydrated Culture Media) CULTIMED 517
413912 Thioglycollate Liquid Medium (Dehydrated Culture Media) CULTIMED 514
414118 Skim Milk Plate Count Agar (Dehydrated Culture Media) CULTIMED 513
414119 Bacillus Cereus Selective Agar Base (Dehydrated Culture Media) CULTIMED 498
414125 SPS Agar (Selective Agar according to Angelotti) (Dehydrated Culture Media) CULTIMED 513
414267 Sabouraud Glucose Agar+Cycloheximide (Dehydrated Culture Media) CULTIMED 511
414270 FC Broth Base M (Dehydrated Culture Media) CULTIMED 503
414654 Bile Tetrathionate-Brilliant Green Broth (Ph. Eur.) (Dehydrated Culture Media) CULTIMED 499
414655 Reinforced Clostridial Agar (RCM) (Dehydrated Culture Media) CULTIMED 511
414656 G.N. Broth (Dehydrated Culture Media) CULTIMED 504
414676 Kanamycin Esculin Azide Agar (CeNAN) (Dehydrated Culture Media) CULTIMED 505
414679 MacConkey Agar without Crystal Violet (Dehydrated Culture Media) CULTIMED 506
414680 Marine Agar (Dehydrated Culture Media) CULTIMED 507
414692 Koser Citrate Medium (Dehydrated Culture Media) CULTIMED 505
414695 Kanamycin Esculin Azide Broth (CeNAN) (Dehydrated Culture Media) CULTIMED 505
414698 Marine Broth (Dehydrated Culture Media) CULTIMED 507
414703 Selenite Brilliant Green Broth (Dehydrated Culture Media) CULTIMED 512
414705 Urea Indole Broth (Dehydrated Culture Media) CULTIMED 516
414707 OF Basal Medium (Dehydrated Culture Media) CULTIMED 509
414709 CTA Medium (Dehydrated Culture Media) CULTIMED 502
414715 Wilkins-Chalgren Agar (Dehydrated Culture Media) CULTIMED 516
414722 Egg Yolk Emulsion (Additive) CULTIMED 503
414723 Egg Yolk Tellurite Emulsion (Additive) CULTIMED 503
414724 Potassium Tellurite solution 3,5% (Additive) CULTIMED 510
414753 Luria Broth Base (Dehydrated Culture Media) CULTIMED 506
414855 Rose Bengal Chloramphenicol Agar (Dehydrated Culture Media) CULTIMED 511
414944 Buffered Sodium Chloride-Peptone solution (BP, Ph. Eur.) (Dehydrated Culture Media) CULTIMED 500
414955 Chapman TTC (Tergitol 7) Agar (ISO 9308-1:2000) (Dehydrated Culture Media) CULTIMED 501
414956 Glucose Chloramphenicol Agar (Dehydrated Culture Media) CULTIMED 504
414957 Glucose Chloramphenicol Broth (Dehydrated Culture Media) CULTIMED 504
414958 OGYE Agar Base (Dehydrated Culture Media) CULTIMED 509
414959 Rappaport-Vassiliadis (RVS) Broth (Dehydrated Culture Media) CULTIMED 510
414961 Tetrathionate Broth Base acc. to Muller-Kauffmann (Dehydrated Culture Media) CULTIMED 514
415380 PALCAM Listeria Agar Base (Dehydrated Culture Media) CULTIMED 509
415433 Wilkins-Chalgren Broth (Dehydrated Culture Media) CULTIMED 516
415463 Clostridium perfringens m-CP Agar Base (Dehydrated Culture Media) CULTIMED 501
415523 Bile Esculin Azide Agar (ISO 7899-2:2000) (Dehydrated Culture Media) CULTIMED 499
415576 TSC Agar Base (Dehydrated Culture Media) CULTIMED 515
415641 MacConkey Sorbitol Agar (Dehydrated Culture Media) CULTIMED 506
416106 Tryptone Yeast Extract Agar (ISO 6222:1999) (Dehydrated Culture Media) CULTIMED 515
416109 Chromogenic E. coli Agar (Dehydrated Culture Media) CULTIMED 501
416110 Chromogenic Salmonella Agar (Dehydrated Culture Media) CULTIMED 501
416111 Oxford Listeria Agar Base (Dehydrated Culture Media) CULTIMED 509
416112 Fraser Listeria Broth Base (ISO 11290-1:1996) (Dehydrated Culture Media) CULTIMED 503
416113 Fraser Listeria Selective Enrichment Supplement (Additive) CULTIMED 503
416114 Fraser 1/2 Listeria Selective Enrichment Supplement (Additive) CULTIMED 504
416115 Oxford Listeria Selective Supplement (Additive) CULTIMED 509
416116 PALCAM Listeria Selective Supplement (Additive) CULTIMED 509
416188 Wilkins-Chalgren Modified Agar (Dehydrated Culture Media) CULTIMED 516
416197 R2A Agar (Ph. Eur.) (Dehydrated Culture Media) CULTIMED 510
416220 TBX Agar (ISO 16649-2:2000) (Dehydrated Culture Media) CULTIMED 513
416253 Reinforced Clostridial Agar (Ph. Eur.) (Dehydrated Culture Media) CULTIMED 511
416254 Lactose Sulphite Broth Base (Ph. Eur.) (Dehydrated Culture Media) CULTIMED 506
416255 Violet Red Bile Lactose and Glucose Agar (VRBLG) (Ph. Eur.) (Dehydrated Culture Media) CULTIMED 516
416256 Cetrimide Agar (Ph. Eur.) (Dehydrated Culture Media) CULTIMED 501
416259 Acetamide Broth (UNE-EN 12780:2002) (Dehydrated Culture Media) CULTIMED 498
416260 King B Medium (UNE-EN 12780:2002) (Dehydrated Culture Media) CULTIMED 505
416261 Nutrient Agar (UNE-EN 12780:2002) (Dehydrated Culture Media) CULTIMED 509
416262 TBA Agar (ISO 9308-1:2000) (Dehydrated Culture Media) CULTIMED 513
416263 Tryptophan Broth (ISO 9308-1:2000) (Dehydrated Culture Media) CULTIMED 515
416265 Saline Peptone Water (NF ISO 6579:1990) (Dehydrated Culture Media) CULTIMED 512
416270 XLD Agar (ISO 6579:2002) (Dehydrated Culture Media) CULTIMED 517
416271 Bacillus Cereus according to Mossel Agar Base (Dehydrated Culture Media) CULTIMED 498
416272 RPF Supplement (ISO-FDIS 6888-2) (Additive) CULTIMED 511
416273 BCYE Supplement (Additive) CULTIMED 499
416274 GVPC Supplement (Additive) CULTIMED 504
416275 Nitrate Movility Medium (Dehydrated Culture Media) CULTIMED 508
416276 Orange Serum Agar (Dehydrated Culture Media) CULTIMED 509
416277 Legionella CYE Agar Base (Dehydrated Culture Media) CULTIMED 506
416322 Potato Infusion Agar (Dehydrated Culture Media) CULTIMED 510

42 CULTIMED (Prepared Plate (Ø 55 mm) and filter)

423752 Pseudomonas CN (UNE-EN 12780:2002) (Prepared Plate (Ø 55 mm) and filter) CULTIMED 518
423792 Nutrient Agar (Prepared Plate (Ø 55 mm) and filter) CULTIMED 517
423812 Slanetz Bartley Medium (ISO 7899-2:2000) (Prepared Plate (Ø 55 mm) and filter) CULTIMED 518

423842 Sabouraud Glucose Agar+Chloramphenicol (Ph. Eur.) (Prepared Plate (Ø 55 mm) and filter) CULTIMED 518
424125 SPS Agar (Prepared Plate (Ø 55 mm) and filter) CULTIMED 518
424955 Tergitol 7 Agar (Chapman TTC modified) (ISO 9308-1:2000) (Prepared Plate (Ø 55 mm) and filter) CULTIMED 519
425463 m-CP Agar (Prepared Plate (Ø 55 mm) and filter) CULTIMED 517
426106 Tryptone Yeast Extract Agar (ISO 6222:1999) (Prepared Plate (Ø 55 mm) and filter) CULTIMED 519
426262 TBA Agar (ISO 9308-1:2000) (Prepared Plate (Ø 55 mm) and filter) CULTIMED 518

43 CULTIMED (Contact Plate)

433744 Baird-Parker Agar (Ph. Eur.) (Contact Plate) CULTIMED 519
433745 Violet Red Bile Glucose Agar (VRBG) (Ph. Eur.) (Contact Plate) CULTIMED 520
433746 Violet Red Bile Lactose Agar (VRBL) (Contact Plate) CULTIMED 520
433783 Mannitol Salt Agar (Contact Plate) CULTIMED 519
433799 Plate Count Agar (PCA) (ISO 4833:2003) (Contact Plate) CULTIMED 519
433802 Sabouraud Glucose Agar (Contact Plate) CULTIMED 520
433819 Tryptone Soy Agar (TSA) (Ph. Eur.) (Contact Plate) CULTIMED 520
433842 Sabouraud Glucose Agar+Chloramphenicol (Ph. Eur.) (Contact Plate) CULTIMED 520
434855 Rose Bengal Chloramphenicol Agar (Contact Plate) CULTIMED 520
435095 TSA-Tween-Lecithin-Agar (Contact Plate) CULTIMED 520
435895 Slide PCA/PCA CULTIMED 530
435896 Slide PCA/RB CULTIMED 530
435897 Slide PCA/VRBG CULTIMED 530
436256 Cetrimide Agar (Ph. Eur.) (Contact Plate) CULTIMED 519

44 CULTIMED (Prepared Plate (Ø 55 mm))

443752 Pseudomonas CN (UNE-EN 12780:2002) (Prepared Plate (Ø 55 mm)) CULTIMED 518
443792 Nutrient Agar (Prepared Plate (Ø 55 mm)) CULTIMED 517
443812 Slanetz Bartley Medium (ISO 7899-2:2000) (Prepared Plate (Ø 55 mm)) CULTIMED 518
443842 Sabouraud Glucose Agar+Chloramphenicol (Ph. Eur.) (Prepared Plate (Ø 55 mm)) CULTIMED 518
444125 SPS Agar (Prepared Plate (Ø 55 mm)) CULTIMED 518
444955 Tergitol 7 Agar (Chapman TTC modified) (ISO 9308-1:2000) (Prepared Plate (Ø 55 mm)) CULTIMED 519
445463 m-CP Agar (Prepared Plate (Ø 55 mm)) CULTIMED 517
445576 TSC Agar (Prepared Plate (Ø 55 mm)) CULTIMED 519
446106 Tryptone Yeast Extract Agar (ISO 6222:1999) (Prepared Plate (Ø 55 mm)) CULTIMED 519
446197 R2A Agar (Ph. Eur.) (Prepared Plate (Ø 55 mm)) CULTIMED 518
446262 TBA Agar (ISO 9308-1:2000) (Prepared Plate (Ø 55 mm)) CULTIMED 519

45 CULTIMED (Prepared Plate (Ø 90 mm))

453744 Baird-Parker Agar (Ph. Eur.) (Prepared Plate (Ø 90 mm)) CULTIMED 520
453745 Violet Red Bile Glucose Agar (VRBG) (Ph. Eur.) (Prepared Plate (Ø 90 mm)) CULTIMED 523
453746 Violet Red Bile Lactose Agar (VRBL) (Prepared Plate (Ø 90 mm)) CULTIMED 523
453763 EMB Agar acc. to Levine (Prepared Plate (Ø 90 mm)) CULTIMED 521
453768 Hektoen Enteric Agar (Prepared Plate (Ø 90 mm)) CULTIMED 521
453779 MacConkey Agar (Ph. Eur.) (Prepared Plate (Ø 90 mm)) CULTIMED 521
453783 Mannitol Salt Agar (Prepared Plate (Ø 90 mm)) CULTIMED 522
453792 Nutrient Agar (Prepared Plate (Ø 90 mm)) CULTIMED 522
453799 Plate Count Agar (ISO 4833:2003) (Prepared Plate (Ø 90 mm)) CULTIMED 522
453802 Sabouraud Glucose Agar (Prepared Plate (Ø 90 mm)) CULTIMED 522
453805 Salmonella Shigella Agar (Prepared Plate (Ø 90 mm)) CULTIMED 522
453812 Slanetz Bartley Medium (Prepared Plate (Ø 90 mm)) CULTIMED 523
453819 Tryptone Soy Agar (TSA) (Ph. Eur.) (Prepared Plate (Ø 90 mm)) CULTIMED 523
453823 Brilliant Green Agar (Ph. Eur.) (Prepared Plate (Ø 90 mm)) CULTIMED 521
453826 XLD Medium (Ph. Eur.) (Prepared Plate (Ø 90 mm)) CULTIMED 523
453842 Sabouraud Glucose Agar+Chloramphenicol (Ph. Eur.) (Prepared Plate (Ø 90 mm)) CULTIMED 522
454125 SPS Agar (Prepared Plate (Ø 90 mm)) CULTIMED 523
454855 Rose Bengal Chloramphenicol Agar (Prepared Plate (Ø 90 mm)) CULTIMED 522
454955 Tergitol 7 Agar (Chapman TTC modified) (Prepared Plate (Ø 90 mm)) CULTIMED 523
455095 TSA-Tween-Lecithin-Agar (Prepared Plate (Ø 90 mm)) CULTIMED 523
455378 Legionella Selective Agar (ISO 11731:1998) (Prepared Plate (Ø 90 mm)) CULTIMED 521
455380 PALCAM Agar (ISO 11290-1:1996) (Prepared Plate (Ø 90 mm)) CULTIMED 522
455523 Bile Esculin Azide Agar (ISO 7899-2:2000) (Prepared Plate (Ø 90 mm)) CULTIMED 521
455641 MacConkey Sorbitol Agar (Prepared Plate (Ø 90 mm)) CULTIMED 521
456082 OGYE Agar (Prepared Plate (Ø 90 mm)) CULTIMED 522
456213 Sabouraud Glucose Agar+Chloramphenicol (Ph. Eur.) (irradiated) (Prepared Plate (Ø 90 mm)) CULTIMED 522
456255 Violet Red Bile Lactose and Glucose Agar (VRBLG) (Ph. Eur.) (Prepared Plate (Ø 90 mm)) CULTIMED 523
456256 Cetrimide Agar (Ph. Eur.) (Prepared Plate (Ø 90 mm)) CULTIMED 521
456266 BCYEx Agar (ISO 11731:1998) (Prepared Plate (Ø 90 mm)) CULTIMED 521
456267 BCYE without Cysteine Agar (ISO 11731) (Prepared Plate (Ø 90 mm)) CULTIMED 520
456271 Bacillus Cereus according to Mossel Agar Base (Prepared Plate (Ø 90 mm)) CULTIMED 520

46 CULTIMED (Prepared Tubes)

463748 Brilliant Green Bile 2% Broth (Prepared Tubes) CULTIMED 524
463761 EC Medium (Prepared Tubes) CULTIMED 524
463765 Giolitti-Cantoni Broth (Prepared Tubes) CULTIMED 524
463769 Kligler Iron Agar (Prepared Tubes) CULTIMED 524
463770 Lysine Iron Agar (Prepared Tubes) CULTIMED 525
463771 Triple Sugar Iron Agar (Ph. Eur.) (Prepared Tubes) CULTIMED 526
463776 Lactosed Broth (Ph. Eur.) (Prepared Tubes) CULTIMED 525
463794 Peptone Water (Prepared Tubes) CULTIMED 526
463795 Buffered Peptone Water (ISO 6579:2002) (Prepared Tubes) CULTIMED 524
463799 Plate Count Agar (ISO 4833:2003) (Prepared Tubes) CULTIMED 526
463809 Selenite Cystine Broth (Prepared Tubes) CULTIMED 526
463820 Tryptone Soy Broth (TSB) (Ph. Eur.) (Prepared Tubes) CULTIMED 526
463827 Lauryl Tryptose Broth (Prepared Tubes) CULTIMED 525
463829 EE Broth (Ph. Eur.) (Prepared Tubes) CULTIMED 524
463833 TSN Agar (Prepared Tubes) CULTIMED 527
463842 Sabouraud Glucose Agar+Chloramphenicol (Ph. Eur.) (Prepared Tubes) CULTIMED 526
463912 Thioglycollate Liquid Medium (Prepared Tubes) CULTIMED 526
464125 SPS Agar (Prepared Tubes) CULTIMED 526
464695 Kanamycin Esculin Azide Broth (CeNAN) (Prepared Tubes) CULTIMED 524
464944 Buffered Sodium Chloride-Peptone solution (BP, Ph. Eur.) (Prepared Tubes) CULTIMED 524
464959 Rappaport-Vassiliadis (RVS) Broth (Prepared Tubes) CULTIMED 526
465382 Letheen Broth (Prepared Tubes) CULTIMED 525
465383 PALCAM Broth (Prepared Tubes) CULTIMED 526
465445 Lauryl Tryptose Broth (2X) (Prepared Tubes) CULTIMED 525
465447 Brilliant Green Bile 2% Broth (2X) (Prepared Tubes) CULTIMED 524
465523 Bile Esculin Azide Agar (ISO 7899-2:2000) (Prepared Tubes) CULTIMED 524
466106 Tryptone Yeast Extract Agar (ISO 6222:1999) (Prepared Tubes) CULTIMED 526
466254 Lactose Sulphite, Medium (Ph. Eur.) (Prepared Tubes) CULTIMED 525
466258 O-F-M-I Broth (Prepared Tubes) CULTIMED 525
466268 Fraser Listeria Broth (ISO 11290-1:1996) (Prepared Tubes) CULTIMED 525
466269 Fraser 1/2 Listeria Broth (ISO 11290-1:1996) (Prepared Tubes) CULTIMED 525

47 PA (max. 0,0000005% Hg)

471020 Hydrochloric Acid 37% (max.0,0000005% Hg) PA-ACS-ISO 222
471058 Sulphuric Acid 95-98% (max. 0,0000005% Hg) PA-ACS-ISO 443
471303 Tin(II) Chloride 2-hydrate (max. 0,000005% Hg) PA-ACS 456
471500 Potassium Dichromate (max. 0,000005% Hg) PA-ACS-ISO 341
471527 Potassium Permanganate (max. 0,000005% Hg) PA-ACS 356
471659 Sodium Chloride (max. 0,0000005% Hg) PA-ACS-ISO 386
471914 Hydroxylammonium Chloride (max. 0,000001% Hg) PA-ACS-ISO 232
472175 Perchloric Acid 70% (max. 0,0000005% Hg) PA-ACS-ISO 316
473255 Nitric Acid 65% (max. 0,0000005% Hg) PA-ISO 300

48 DS

481007 Acetone dry (max. 0,01% water) DS 25
481086 Ethanol absolute dry (max. 0,02% water) DS 176
481090 2-Propanol dry (max. 0,01% water) DS-ACS-ISO 364
481091 Methanol dry (max. 0,005% water) DS-ACS-ISO 276
481192 Benzene dry (max. 0,005% water) DS-ACS-ISO 71
481244 Carbon Disulphide dry (max. 0.005% water) low in aromatic compounds DS-ACS 114
481250 Cyclohexane dry (max. 0,005% water) DS-ACS-ISO 140
481254 Dichloromethane dry (max. 0,005% water) stabilized with amylene DS-ACS-ISO 153
481286 1,2-Dichloroethane dry (max. 0,005% water) DS-ACS 151
481296 1,4-Dioxan dry (max. 0,01% water) stabilized with ~25 ppm of BHT DS-ACS-ISO 170
481315 Petroleum Ether 40-60°C dry (max. 0,005% water) DS-ACS-ISO 318
481318 Ethyl Acetate dry (max. 0,005% water) DS-ACS-ISO 181
481429 Butanone dry (max. 0,02% water) (Methylethylketone) DS-ACS 98
481457 Pyridine dry (max. 0,01% water) DS-ACS 367
481745 Toluene dry (max. 0,005% water) DS-ACS-ISO 459
481769 Xylene, mixture of isomers dry (max. 0,005% water) DS-ISO 481
481785 N,N-Dimethylformamide dry (max. 0,01% water) DS-ACS-ISO 165
481881 Acetonitrile dry (max. 0,005% water) DS-ACS 28
481953 Chlorobenzene dry (max. 0,01% water) DS-ACS 122
481954 Dimethyl Sulphoxide dry (max. 0,03% water) DS-ACS 167
482062 n-Heptane dry (max. 0,005% water) DS 211
482064 Isooctane dry (max. 0,005% water) DS-ACS 245
482770 Diethyl Ether dry (max. 0,0075% water) stabilized with ~6 ppm of BHT DS-ACS-ISO 157
482802 Methylcyclohexane dry (max. 0,005% water) DS 282
483101 Trichloromethane dry (max. 0,005% water) stabilized with ~50 ppm of amylene DS-ACS 463
483242 n-Hexane 95% dry (max. 0,005% water) DS-ACS 215
483537 Tetrahydrofuran dry (max. 0,0075% water) stabilized with ~300 ppm of BHT DS-ACS 452
483675 Dichloromethane dry (max. 0,005% water) stabilized with ~0,2% of ethanol DS-ACS-ISO 154
484462 n-Pentane 95% dry (max. 0,005% water) DS 312

49 CULTIMED (Prepared Bottles)

493744 Baird-Parker Agar (Ph. Eur.) (Prepared Bottles) CULTIMED 527
493745 Violet Red Bile Glucose Agar (VRBG) (Ph. Eur.) (Prepared Bottles) CULTIMED 529
493746 Violet Red Bile Lactose Agar (VRBL) (Prepared Bottles) CULTIMED 529
493779 MacConkey Agar (Ph. Eur.) (Prepared Bottles) CULTIMED 528
493780 MacConkey Broth (Ph. Eur.) (Prepared Bottles) CULTIMED 528
493784 MRS Agar (Prepared Bottles) CULTIMED 528
493792 Nutrient Agar (Prepared Bottles) CULTIMED 528
493794 Peptone Water (Prepared Bottles) CULTIMED 528
493795 Buffered Peptone Water (ISO 6579:2002) (Prepared Bottles) CULTIMED 527
493799 Plate Count Agar (ISO 4833:2003) (Prepared Bottles) CULTIMED 528
493802 Sabouraud Glucose Agar (Prepared Bottles) CULTIMED 528
493819 Tryptone Soy Agar (TSA) (Ph. Eur.) (Prepared Bottles) CULTIMED 529
493820 Tryptone Soy Broth (TSB) (Ph. Eur.) (Prepared Bottles) CULTIMED 529
493829 EE Broth (Ph. Eur.) (Prepared Bottles) CULTIMED 527
493842 Sabouraud Glucose Agar+Chloramphenicol (Ph. Eur.) (Prepared Bottles) CULTIMED 529
493912 Thioglycollate Liquid Medium (Prepared Bottles) CULTIMED 529
494125 SPS Agar (Prepared Bottles) CULTIMED 529
494855 Rose Bengal Chloramphenicol Agar (Prepared Bottles) CULTIMED 528
494944 Buffered Sodium Chloride-Peptone solution (BP, Ph. Eur.) (Prepared Bottles) CULTIMED 527
495379 Letheen Agar (Prepared Bottles) CULTIMED 527
495382 Letheen Broth (Prepared Bottles) CULTIMED 527
495425 Peptone Water with neutralizing agents (Prepared Bottles) CULTIMED 528
495523 Bile Esculin Azide Agar (ISO 7899-2:2000) (Prepared Bottles) CULTIMED 527
495576 TSC Agar (Prepared Bottles) CULTIMED 529
496106 Tryptone Yeast Extract Agar (ISO 6222:1999) (Prepared Bottles) CULTIMED 529
496253 Reinforced Clostridial Agar (Ph. Eur.) (Prepared Bottles) CULTIMED 528
496256 Cetrimide Agar (Ph. Eur.) (Prepared Bottles) CULTIMED 527
496265 Saline Peptone Water (NF ISO 6579:1990) (Prepared Bottles) CULTIMED 529
496269 Fraser 1/2 Listeria Broth (ISO 11290-1:1996) (Prepared Bottles) CULTIMED 527
P1000ST Sterile bottle, 1000 ml, with 24 mg of sodium thiosulphate CULTIMED 530
P500ST Sterile bottle, 500 ml, with 12 mg of sodium thiosulphate CULTIMED 530
PS-410MC PROSPORE (Sterilization test) CULTIMED 530

50 DERQUIM

502600 DERQUIM LM 01 Alkaline LIQUID 146
502601 DERQUIM LM 02 Neutral, phosphates free LIQUID 146
502602 DERQUIM LM 03 Phosphates free LIQUID 146
502603 DERQUIM LA 11 Slightly alkaline SOLID 145
502604 DERQUIM LA 12 Alkaline SOLID 145
502605 DERQUIM LA 13 Alkaline with detergents SOLID 145
502606 DERQUIM LA 14 Slightly alkaline LIQUID 146
502607 DERQUIM LA 15 Alkaline LIQUID 146
502608 DERQUIM LA 21 Acid, with phosphoric acid LIQUID 146
502609 DERQUIM LA 22 Acid, with citric acid LIQUID 146
502610 DERQUIM LA 31 Antifoaming 146
502611 DERQUIM LA 32 Rinsing 146
502612 DERQUIM MC Chromic Mixture 146
503468 DERQUIM SALT (Sodium Chloride lumps) 146
503574 DERQUIM + Universal Detergent, LIQUID 145
504993 DERQUIM DSF 01 Antiseptic for hands LIQUID 145
504994 DERQUIM DSF 11 Antiseptic for surfaces and implements, LIQUID 145
506071 DERQUIM OXY (Substitute of Chromic Mixture) SOLID 146

52 pH PAPER

524150 Universal Paper Reel pH 1-11 (gradation 1,0) 326
524151 Universal Paper Reel pH 1-14 (gradation 1,0/2,0) 326
524152 Special Paper Reel pH 5,5-9,0 (gradation 0,5) 326
524153 Special Paper Reel pH 3,8-5,8 (gradation 0,2/0,3) 326
524154 Special Paper Reel pH 0,5-5,5 (gradation 0,5) 326
524155 Special Paper Reel pH 9,0-13,0 (gradation 0,5) 326
524156 Strips pH 3,8-5,5 (gradation 0,2/0,3) 326
524157 Strips pH 6,0-8,1 (gradation 0,3) 326
524158 Strips pH 2,8-4,6 (gradation 0,2/0,3) 326
524159 Strips pH 1-12 (gradation 1,0) 326
524160 Strips pH 5,2-6,8 (gradation 0,2/0,3) 326
524161 Strips pH 1,8-3,8 (gradation 0,2/0,3) 326
524162 Strips pH 7,2-8,8 (gradation 0,2/0,3) 326
524163 Strips pH 9,5-12,0 (gradation 0,5) 326
524164 Non bleeding sticks pH 0-14 (gradation 1,0) 326
524165 Non bleeding sticks pH 4,5-10,0 (gradation 0,5) 326
524166 Non bleeding sticks pH 3,6-6,1 (gradation 0,3/0,5) 327
524167 Non bleeding sticks pH 0,0-6,0 (gradation 0,5) 327
524168 Non bleeding sticks pH 7,0-14,0 (gradation 0,5) 327
524169 Tricolor Paper Reel pH 1-11 (gradation 1,0) 326

62 VINIKIT

621062 Sulphuric Acid solution 1/3 w/v VINIKIT 445
621327 Phenolphthalein solution 1% VINIKIT 323
621387 Gypsumetric Liquor VINIKIT 209
621507 Potassium Hexacyanoferrate(II) solution 10% w/v VINIKIT 344
621517 Potassium Hydroxide 1 mol/l (1N) VINIKIT 351
621567 Folin-Ciocalteu's Reagent VINIKIT 196
621694 Sodium Hydroxide 0,1 mol/l (0,1N) VINIKIT 404
621845 Sodium Hydroxide 0,01 mol/l VINIKIT 404
621969 Iodine 0,01 mol/l (0,02N) VINIKIT 238

622157 Sodium Hydroxide 0,4 mol/l (0,4N) VINIKIT ... 404
622772 Hydrogen Peroxide 3% w/v (10 vol.) stabilized VINIKIT . 230
623146 Starch solution 1% VINIKIT ... 437
623397 Sodium Hydroxide 0,02 mol/l (0,02N) VINIKIT ... 404
624566 Bromothymol Blue solution 0,4% VINIKIT ... 91
624567 Starch solution 2% VINIKIT ... 437
624568 Fehling's A Reagent VINIKIT ... 190
624569 Fehling's B Reagent VINIKIT ... 190
624570 Sulphuric Acid solution 16% v/v VINIKIT ... 445
624572 Potassium Iodide solution 30% w/v VINIKIT ... 353
624573 Alkaline Solution (Potassium Sodium Tartrate) 0,886 mol/l VINIKIT ... 37
624574 Hydrochloric Acid-Water solution 50:50 VINIKIT ... 225
624575 Potassium Thiocyanate solution 5% w/v VINIKIT ... 360
624576 Sodium Thiosulphate 0,0551 mol/l (0,0551N) VINIKIT ... 417
624582 Cupric Solution 0,168 mol/l VINIKIT ... 139
624617 Iron standard solution Fe=0,200±0,002 g/l VINIKIT ... 239
624782 Sodium Hydroxide N/4,9 VINIKIT ... 404
624785 Sodium Hydroxide N/49 VINIKIT ... 404
624835 Sodium Hydroxide 0,1332 mol/l (0,1332N) VINIKIT ... 404
624836 Sodium Hydroxide 1,666 mol/l (1,666N) VINIKIT ... 404
624867 Saccharose solution 14,9% w/w VINIKIT ... 372
624868 Saccharose solution 19,4% w/w VINIKIT ... 373
624901 Rebelein's Kit VINIKIT ... 370
624904 Hydrogen Peroxide 0,9% w/v (3 vol.) VINIKIT ... 230
624905 Indicator 4,4, Mixed (Methyl Red-Methylene Blue) VINIKIT ... 235
624906 Iron standard solution Fe=0,100±0,002 g/l VINIKIT ... 239
625079 Malo-Lactic Kit VINIKIT ... 266
625108 Eluent for Malo-Lactic Kit VINIKIT ... 173
625241 Saccharose solution 23,8% w/w VINIKIT ... 373
625337 Hydroalcoholic Solution 8,5% v/v VINIKIT ... 221
625338 Hydroalcoholic Solution 11% v/v VINIKIT ... 221
625339 Hydroalcoholic Solution 13,5% v/v VINIKIT ... 221
625388 di-Sodium tetra-Borate 10-hydrate solution 4,6% VINIKIT ... 383
625409 Calcium Hydroxide 2 mol/l (suspension) VINIKIT ... 110
625434 Hydroalcoholic Solution 16% v/v VINIKIT ... 221
625435 Hydroalcoholic Solution 20% v/v VINIKIT ... 221
625484 Saccharose solutions pack (14,9% w/w, 19,4% w/w, 23,8% w/w) VINIKIT ... 372
625513 Hydrogen Peroxide 10% w/v (~33 vol.) stabilized VINIKIT ... 230
625514 Potassium Thiocyanate solution 20% w/v VINIKIT ... 360
625515 Iron standard solution Fe=0,125±0,005 g/l VINIKIT ... 239
625516 Calcium Indicator, tablets VINIKIT ... 110
625567 Hydrochloric Acid 10 g/l VINIKIT ... 225
625891 TISAB-ENOL for wine analysis (Dir. 2676/90) VINIKIT ... 457

70 PAI (LC-MS)

701074 Water (LC-MS) PAI ... 479
701091 Methanol (LC-MS) PAI ... 276
701881 Acetonitrile (LC-MS) PAI ... 28

71 HIPERPUR-PLUS

711008 Acetic Acid glacial (TMA) HIPERPUR-PLUS ... 21
711019 Hydrochloric Acid 35% (TMA) HIPERPUR-PLUS ... 224
711028 Hydrofluoric Acid 48% (TMA) HIPERPUR-PLUS ... 227
711037 Nitric Acid 69% (TMA) HIPERPUR-PLUS ... 298
711058 Sulphuric Acid 93-98% (TMA) HIPERPUR-PLUS ... 442
711074 Water (TMA) HIPERPUR-PLUS ... 479
711128 Ammonia 20% (as NH_3) (TMA) HIPERPUR-PLUS ... 46
712175 Perchloric Acid 70% (TMA) HIPERPUR-PLUS ... 315

72 HIPERPUR

721008 Acetic Acid glacial (TMA) HIPERPUR ... 21
721019 Hydrochloric Acid 35% (TMA) HIPERPUR ... 224
721028 Hydrofluoric Acid 48% (TMA) HIPERPUR ... 228
721037 Nitric Acid 69% (TMA) HIPERPUR ... 298
721058 Sulphuric Acid 93-98% (TMA) HIPERPUR ... 442
721091 Methanol (HPLC-hypergradient grade) HIPERPUR ... 275
721128 Ammonia 20% (as NH_3) (TMA) HIPERPUR ... 46
721881 Acetonitrile (HPLC-hypergradient grade) HIPERPUR ... 27
722175 Perchloric Acid 70% (TMA) HIPERPUR ... 315

73 BS

731091 Methanol BS ... 278
731254 Dichloromethane stabilized with amylene BS ... 153
731785 N,N-Dimethylformamide BS ... 165
731881 Acetonitrile BS ... 29
732377 Piperidine BS ... 331
733080 1-Methyl-2-Pyrrolidone BS ... 288
73A837 N-Ethyl Di-Isopropylamine BS ... 183

74 PAI (NMR)

745335 Tetramethylsilane (NMR) PAI ... 453
745837 Acetone-D6 deuteration degree min. 99,5% (NMR) PAI ... 26
745838 Acetone-D6 deuteration degree min. 99,8% (NMR) PAI ... 26
745839 Acetone-D6 deuteration degree min. 99,95% (NMR) PAI ... 26
745840 Acetonitrile-D3 deuteration degree min. 99,5% (NMR) PAI ... 29
745841 Acetonitrile-D3 deuteration degree min. 99,8% (NMR) PAI ... 29
745842 Acetonitrile-D3 deuteration degree min. 99,95% (NMR) PAI ... 29
745843 Benzene-D6 deuteration degree min. 99,5% (NMR) PAI ... 72
745844 Benzene-D6 deuteration degree min. 99,8% (NMR) PAI ... 72
745845 Benzene-D6 deuteration degree min. 99,95% (NMR) PAI ... 72
745846 Trichloromethane-D1 deuteration degree min. 99,8% stabilized with Ag (NMR) PAI ... 466
745847 Trichloromethane-D1 deuteration degree min. 99,95% (NMR) PAI ... 466
745848 Trichloromethane-D1 deuteration degree min. 99,95% stabilized with Ag (NMR) PAI ... 466
745849 Deuterium Oxide deuteration degree min. 99,8% (NMR) PAI ... 147
745851 Deuterium Oxide deuteration degree min. 99,98% (NMR) PAI ... 147
745852 Dichloromethane-D2 deuteration degree min. 99,5% (NMR) PAI ... 154
745853 Dichloromethane-D2 deuteration degree min. 99,8% (NMR) PAI ... 154
745854 Dichloromethane-D2 deuteration degree min. 99,95% (NMR) PAI ... 154
745855 N,N-Dimethylformamide-D7 deuteration degree min. 99,5% (NMR) PAI ... 165
745856 Methanol-D4 deuteration degree min. 99,5% (NMR) PAI ... 278
745857 Methanol-D4 deuteration degree min. 99,8% (NMR) PAI ... 278
745858 Methanol-D4 deuteration degree min. 99,95% (NMR) PAI ... 278
745860 Dimethyl Sulphoxide-D6 deuteration degree min. 99,8% (NMR) PAI ... 168
745861 Dimethyl Sulphoxide-D6 deuteration degree min. 99,9% (NMR) PAI ... 168
745862 Dimethyl Sulphoxide-D6 deuteration degree min. 99,95% (NMR) PAI ... 168
745863 Pyridine-D5 deuteration degree min. 99,5% (NMR) PAI ... 368
745864 Pyridine-D5 deuteration degree min. 99,8% (NMR) PAI ... 368
745865 Pyridine-D5 deuteration degree min. 99,95% (NMR) PAI ... 368
745866 1,1,2,2-Tetrachloroethane-D2 deuteration degree min. 99,5% (NMR) PAI ... 450
745867 Tetrahydrofuran-D8 deuteration degree min. 99,5% (NMR) PAI ... 452
745868 Toluene-D8 deuteration degree min. 99,5% (NMR) PAI ... 460
745869 Toluene-D8 deuteration degree min. 99,8% (NMR) PAI ... 459
745870 Trifluoroacetic Acid-D1 deuteration degree min. 99,5% (NMR) PAI ... 469
745872 Tube 5TA (Throw away) 178 mm (NMR) PAI ... 474
745873 Tube 5P (Precision) 178 mm (NMR) PAI ... 474
745874 Tube 5HP (High precision) 178 mm (NMR) PAI ... 474
745875 Tube 5UP (Utra precision) 178 mm (NMR) PAI ... 474
745876 Caps for NMR tubes PAI ... 474

76 ICP (1,000±0,002 g/l)

763173 Beryllium standard solution Be=1,000±0,002 g/l ICP ... 424
765898 Sulphur standard solution S=1,000±0,002 g/l ICP ... 431
765900 Boron standard solution B=1,000±0,002 g/l ICP ... 425
765901 Cerium standard solution Ce=1,000±0,002 g/l ICP ... 425
765902 Cesium standard solution Cs=1,000±0,002 g/l ICP ... 425
765903 Chloride standard solution Cl=1,000±0,002 g/l ICP ... 425
765904 Dysprosium standard solution Dy=1,000±0,002 g/l ICP ... 426
765905 Erbium standard solution Er=1,000±0,002 g/l ICP ... 426
765906 Europium standard solution Eu=1,000±0,002 g/l ICP ... 426
765908 Gadolinium standard solution Gd=1,000±0,002 g/l ICP ... 426
765909 Gallium standard solution Ga=1,000±0,002 g/l ICP ... 426
765910 Germanium standard solution Ge=1,000±0,002 g/l ICP ... 426
765911 Hafnium standard solution Hf=1,000±0,002 g/l ICP ... 427
765912 Holmium standard solution Ho=1,000±0,002 g/l ICP ... 427
765913 Indium standard solution In=1,000±0,002 g/l ICP ... 427
765914 Ytterbium standard solution Yb=1,000±0,002 g/l ICP ... 433
765915 Yttrium standard solution Y=1,000±0,002 g/l ICP ... 433
765916 Lanthanum standard solution La=1,000±0,002 g/l ICP ... 427
765917 Lutetium standard solution Lu=1,000±0,002 g/l ICP ... 428
765918 Neodymium standard solution Nd=1,000±0,002 g/l ICP ... 429
765919 Niobium standard solution Nb=1,000±0,002 g/l ICP ... 429
765920 Nitrogen standard solution N=1,000±0,002 g/l ICP ... 429
765921 Osmium standard solution Os=1,000±0,002 g/l ICP ... 429
765922 Palladium standard solution Pd=1,000±0,002 g/l ICP ... 429
765923 Platinum standard solution Pt=1,000±0,002 g/l ICP ... 429
765924 Praseodymium standard solution Pr=1,000±0,002 g/l ICP ... 430
765925 Rhenium standard solution Re=1,000±0,002 g/l ICP ... 430
765926 Rhodium standard solution Rh=1,000±0,002 g/l ICP ... 430
765927 Rubidium standard solution Rb=1,000±0,002 g/l ICP ... 430
765928 Ruthenium standard solution Ru=1,000±0,002 g/l ICP ... 430
765929 Samarium standard solution Sm=1,000±0,002 g/l ICP ... 430
765930 Scandium standard solution Sc=1,000±0,002 g/l ICP ... 430
765931 Thallium standard solution Tl=1,000±0,002 g/l ICP ... 432
765932 Tantalum standard solution Ta=1,000±0,002 g/l ICP ... 431
765933 Tellurium standard solution Te=1,000±0,002 g/l ICP ... 432
765934 Terbium standard solution Tb=1,000±0,002 g/l ICP ... 432
765935 Thorium standard solution Th=1,000±0,002 g/l ICP ... 432
765936 Thullium standard solution Tm=1,000±0,002 g/l ICP ... 432
765937 Uranium standard solution U=1,000±0,002 g/l ICP ... 433
765938 Vanadium standard solution V=1,000±0,002 g/l ICP ... 433
765939 Wolfram standard solution W=1,000±0,002 g/l ICP ... 433
765940 Zirconium standard solution Zr=1,000±0,002 g/l ICP ... 433
765941 Iridium standard solution Ir=1,000±0,002 g/l ICP ... 427
765997 Silicon standard solution Si=1,000±0,002 g/l ICP ... 431
766034 Aluminium standard solution Al=1,000±0,002 g/l ICP ... 424
766035 Antimony standard solution Sb=1,000±0,002 g/l ICP ... 424
766036 Arsenic standard solution As=1,000±0,002 g/l ICP ... 424
766037 Barium standard solution Ba=1,000±0,002 g/l ICP ... 424
766038 Cadmium standard solution Cd=1,000±0,002 g/l ICP ... 425
766039 Bismuth standard solution Bi=1,000±0,002 g/l ICP ... 425
766040 Calcium standard solution Ca=1,000±0,002 g/l ICP ... 425
766041 Cobalt standard solution Co=1,000±0,002 g/l ICP ... 425
766042 Copper standard solution Cu=1,000±0,002 g/l ICP ... 426
766043 Chromium standard solution Cr=1,000±0,002 g/l ICP ... 425
766047 Tin standard solution Sn=1,000±0,002 g/l ICP ... 432
766048 Strontium standard solution Sr=1,000±0,002 g/l ICP ... 431
766049 Iron standard solution Fe=1,000±0,002 g/l ICP ... 427
766050 Potassium standard solution K=1,000±0,002 g/l ICP ... 430
766051 Magnesium standard solution Mg=1,000±0,002 g/l ICP ... 428
766052 Manganese standard solution Mn=1,000±0,002 g/l ICP ... 428
766053 Molybdenum standard solution Mo=1,000±0,002 g/l ICP ... 428
766054 Nickel standard solution Ni=1,000±0,002 g/l ICP ... 429
766055 Selenium standard solution Se=1,000±0,002 g/l ICP ... 431
766056 Sodium standard solution Na=1,000±0,002 g/l ICP ... 431
766057 Titanium standard solution Ti=1,000±0,002 g/l ICP ... 432
766058 Zinc standard solution Zn=1,000±0,002 g/l ICP ... 433
766059 Lithium standard solution Li=1,000±0,002 g/l ICP ... 428
766060 Mercury standard solution Hg=1,000±0,002 g/l ICP ... 428
766061 Gold standard solution Au=1,000±0,002 g/l ICP ... 427
766062 Silver standard solution Ag=1,000±0,002 g/l ICP ... 431
766063 Lead standard solution Pb=1,000±0,002 g/l ICP ... 428
766332 Multielement standard solution 1000 mg/l: Ag, Al, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, In, K, Li, Mg, Mn, Na, Ni, Pb, Sr, Tl, Zn ICP ... 434
766333 Multielement standard solution 100 mg/l: Al, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, K, Li, Mg, Mn, Na, Ni, Pb, Se, Sr, Te, Tl, Zn ICP ... 434
766334 Multielement standard solution 100 mg/l: As, Be, Cd, Cr, Pb, Hg, Ni, Se, Tl ICP ... 434
766335 Multielement standard solution 100 mg/l: As, Be, Ca, Cd, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn ICP ... 434
766336 Multielement standard solution 100 mg/l: Hf, Ir, Sb, Sn, Ta, Ti, Zr ICP ... 434
766384 Phosphorus standard solution P=1,000±0,002 g/l ICP ... 429
766427 Calcium standard dissolved in oil Ca=1000±5 µg/g ICP ... 434
766428 Barium standard dissolved in oil Ba=1000±5 µg/g ICP ... 434
766429 Chromium standard dissolved in oil Cr=1000±5 µg/g ICP ... 434
766430 Cobalt standard dissolved in oil Co=1000±5 µg/g ICP ... 434
766431 Copper standard dissolved in oil Cu=1000±5 µg/g ICP ... 434
766432 Phosphorus standard dissolved in oil P=1000±5 µg/g ICP ... 435
766433 Iron standard dissolved in oil Fe=1000±5 µg/g ICP ... 434
766434 Magnesium standard dissolved in oil Mg=1000±5 µg/g ICP ... 434
766435 Nickel standard dissolved in oil Ni=1000±5 µg/g ICP ... 434
766436 Lead standard dissolved in oil Pb=1000±5 µg/g ICP ... 434
766437 Potassium standard dissolved in oil K=1000±5 µg/g ICP ... 435
766438 Sodium standard dissolved in oil Na=1000±5 µg/g ICP ... 435
766439 Zinc standard dissolved in oil Zn=1000±5 µg/g ICP ... 435
766440 Sulphur standard dissolved in oil S=1000±5 µg/g ICP ... 435

77 ICP (10,00±0,02 g/l)

775899 Beryllium standard solution Be=10,00±0,02 g/l ICP ... 425
775907 Phosphorus standard solution P=10,00±0,02 g/l ICP ... 429
775943 Aluminium standard solution Al=10,00±0,02 g/l ICP ... 424
775944 Antimony standard solution Sb=10,00±0,02 g/l ICP ... 424
775945 Arsenic standard solution As=10,00±0,02 g/l ICP ... 424
775946 Sulphur standard solution S=10,00±0,02 g/l ICP ... 431
775947 Barium standard solution Ba=10,00±0,02 g/l ICP ... 424
775948 Bismuth standard solution Bi=10,00±0,02 g/l ICP ... 425
775949 Cadmium standard solution Cd=10,00±0,02 g/l ICP ... 425
775950 Calcium standard solution Ca=10,00±0,02 g/l ICP ... 425
775951 Cerium standard solution Ce=10,00±0,02 g/l ICP ... 425
775952 Cesium standard solution Cs=10,00±0,02 g/l ICP ... 425
775953 Chloride standard solution Cl=10,00±0,02 g/l ICP ... 425
775954 Cobalt standard solution Co=10,00±0,02 g/l ICP ... 426
775955 Copper standard solution Cu=10,00±0,02 g/l ICP ... 426
775956 Chromium standard solution Cr=10,00±0,02 g/l ICP ... 425
775957 Dysprosium standard solution Dy=10,00±0,02 g/l ICP ... 426
775958 Erbium standard solution Er=10,00±0,02 g/l ICP ... 426
775959 Scandium standard solution Sc=10,00±0,02 g/l ICP ... 431
775960 Tin standard solution Sn=10,00±0,02 g/l ICP ... 432
775961 Strontium standard solution Sr=10,00±0,02 g/l ICP ... 431
775962 Europium standard solution Eu=10,00±0,02 g/l ICP ... 426
775963 Gadolinium standard solution Gd=10,00±0,02 g/l ICP ... 426
775964 Gallium standard solution Ga=10,00±0,02 g/l ICP ... 426
775965 Germanium standard solution Ge=10,00±0,02 g/l ICP ... 427
775966 Hafnium standard solution Hf=10,00±0,02 g/l ICP ... 427
775967 Iron standard solution Fe=10,00±0,02 g/l ICP ... 427
775968 Holmium standard solution Ho=10,00±0,02 g/l ICP ... 427
775969 Indium standard solution In=10,00±0,02 g/l ICP ... 427
775970 Iridium standard solution Ir=10,00±0,02 g/l ICP ... 427
775971 Ytterbium standard solution Yb=10,00±0,02 g/l ICP ... 433
775972 Yttrium standard solution Y=10,00±0,02 g/l ICP ... 433
775973 Lanthanum standard solution La=10,00±0,02 g/l ICP ... 428
775974 Lithium standard solution Li=10,00±0,02 g/l ICP ... 428
775975 Lutetium standard solution Lu=10,00±0,02 g/l ICP ... 428
775976 Magnesium standard solution Mg=10,00±0,02 g/l ICP ... 428
775977 Manganese standard solution Mn=10,00±0,02 g/l ICP ... 428
775978 Mercury standard solution Hg=10,00±0,02 g/l ICP ... 428
775979 Molybdenum standard solution Mo=10,00±0,02 g/l ICP ... 429
775980 Neodymium standard solution Nd=10,00±0,02 g/l ICP ... 429
775981 Niobium standard solution Nb=10,00±0,02 g/l ICP ... 429
775982 Nickel standard solution Ni=10,00±0,02 g/l ICP ... 429
775983 Nitrogen standard solution N=10,00±0,02 g/l ICP ... 429
775984 Gold standard solution Au=10,00±0,02 g/l ICP ... 427
775985 Palladium standard solution Pd=10,00±0,02 g/l ICP ... 429
775986 Silver standard solution Ag=10,00±0,02 g/l ICP ... 431
775987 Platinum standard solution Pt=10,00±0,02 g/l ICP ... 429
775988 Lead standard solution Pb=10,00±0,02 g/l ICP ... 428
775989 Potassium standard solution K=10,00±0,02 g/l ICP ... 430
775990 Praseodymium standard solution Pr=10,00±0,02 g/l ICP ... 430
775991 Rhenium standard solution Re=10,00±0,02 g/l ICP ... 430
775992 Rhodium standard solution Rh=10,00±0,02 g/l ICP ... 430
775993 Rubidium standard solution Rb=10,00±0,02 g/l ICP ... 430
775994 Ruthenium standard solution Ru=10,00±0,02 g/l ICP ... 430
775995 Samarium standard solution Sm=10,00±0,02 g/l ICP ... 430
775996 Selenium standard solution Se=10,00±0,02 g/l ICP ... 431
775998 Silicon standard solution Si=10,00±0,02 g/l ICP ... 431
775999 Sodium standard solution Na=10,00±0,02 g/l ICP ... 431
776000 Thallium standard solution Tl=10,00±0,02 g/l ICP ... 432
776001 Tantalum standard solution Ta=10,00±0,02 g/l ICP ... 431
776002 Tellurium standard solution Te=10,00±0,02 g/l ICP ... 432
776003 Terbium standard solution Tb=10,00±0,02 g/l ICP ... 432

776004 Titanium standard solution Ti=10,00±0,02 g/l ICP 432
776005 Thorium standard solution Th=10,00±0,02 g/l ICP 432
776006 Thullium standard solution Tm=10,00±0,02 g/l ICP 432
776007 Uranium standard solution U=10,00±0,02 g/l ICP 433
776008 Vanadium standard solution V=10,00±0,02 g/l ICP 433
776009 Wolfram standard solution W=10,00±0,02 g/l ICP 433
776010 Zinc standard solution Zn=10,00±0,02 g/l ICP 433
776011 Zirconium standard solution Zr=10,00±0,02 g/l ICP 433

78 IC

784236 Phosphate standard solution PO_4=1,000±0,002 g/l IC 435
784237 Nitrate standard solution NO_3=1,000±0,002 g/l IC 435
784238 Chloride standard solution Cl=1,000±0,002 g/l IC 435
784239 Bromide standard solution Br=1,000±0,002 g/l IC 435
784241 Ammonium standard solution NH_4=1,000±0,002 g/l IC 435
784242 Potassium standard solution K=1,000±0,002 g/l IC 436
784243 Sodium standard solution Na=1,000±0,002 g/l IC 436
786325 Nitrogen standard solution N=1,000±0,002 g/l IC 435
786326 Chromate standard solution CrO_4=1,000±0,002 g/l IC 435
786327 Nitrite standard solution NO_2=1,000±0,002 g/l IC 435
786328 Fluoride standard solution F=1,000±0,002 g/l IC 435
786329 Sulphate standard solution SO_4=1,000±0,002 g/l IC 436
786345 Calcium standard solution Ca=1,000±0,002 g/l IC 435
786346 Magnesium standard solution Mg=1,000±0,002 g/l IC 435
786347 Barium standard solution Ba=1,000±0,002 g/l IC 435
786348 Lithium standard solution Li=1,000±0,002 g/l IC 435
786349 Zinc standard solution Zn=1,000±0,002 g/l IC 436
786350 Manganese standard solution Mn=1,000±0,002 g/l IC 435
786351 Strontium standard solution Sr=1,000±0,002 g/l IC 436

86 EG (MOS)

861007 Acetone (MOS) EG 24
861020 Hydrochloric Acid 37% (MOS) EG 222
861037 Nitric Acid 69% (MOS) EG 299
861058 Sulphuric Acid 96% (MOS) EG 443
866323 Hydrogen Peroxide 30% w/w (MOS) EG 229
866324 Hydrofluoric Acid 50% (MOS) EG 227

87 EG (VLSI)

871007 Acetone (VLSI) EG 24
871020 Hydrochloric Acid 37% (VLSI) EG 222
871037 Nitric Acid 69% (VLSI) EG 299
871058 Sulphuric Acid 96% (VLSI) EG 443
871090 2-Propanol (VLSI) EG 362
871202 n-Butyl Acetate (VLSI) EG 99
873080 1-Methyl-2-Pyrrolidone (VLSI) EG 287
875599 Hexamethyldisilazane (VLSI) EG 213
876323 Hydrogen Peroxide 30% w/w (VLSI) EG 229
876324 Hydrofluoric Acid 50% (VLSI) EG 227

Classification in specific fields of application

FOOD ADDITIVES

201008 Acetic Acid glacial (E-260, F.C.C.) ADITIO 22
201007 Acetone (F.C.C.) ADITIO 26
204333 Acetophenone (F.C.C.) ADITIO 29
202342 Adipic Acid (E-355, F.C.C.) ADITIO 33
201792 Agar (E-406, F.C.C.) ADITIO 33
202043 L-Alanine (F.C.C.) ADITIO 36
201103 Aluminium Potassium Sulphate 12-hydrate (E-522, F.C.C.) ADITIO 40
201130 Ammonia 30% (as NH3) (E-527, F.C.C.) ADITIO 44
201129 Ammonia 25% (as NH3) ADITIO 45
201119 Ammonium Carbonate (E-503i, F.C.C.) ADITIO 49
201121 Ammonium Chloride (F.C.C.) ADITIO 50
201116 Ammonium Hydrogen Carbonate (E-503ii, F.C.C.) ADITIO 51
201127 di-Ammonium Hydrogen Phosphate (F.C.C.) ADITIO 52
201126 Ammonium di-Hydrogen Phosphate (F.C.C.) ADITIO 53
202912 Ammonium Iron(III) Citrate brown (E-381, F.C.C.) ADITIO 54
202028 Ammonium Iron(III) Citrate green (E-381, F.C.C.) ADITIO 54
201140 Ammonium Sulphate (E-517, F.C.C.) ADITIO 58
202061 Arabic Gum powder (E-414, F.C.C.) ADITIO 63
203464 L-Arginine (F.C.C.) ADITIO 63
201013 L(+)-Ascorbic Acid (E-300, F.C.C.) ADITIO 65
202034 L-Aspartic Acid (F.C.C.) ADITIO 65
202422 DL-Aspartic Acid (F.C.C.) ADITIO 66
201014 Benzoic Acid (E-210, F.C.C.) ADITIO 74
202357 Benzoyl Peroxide humidified with ~25% of H_2O (F.C.C.) ADITIO 75
201081 Benzyl Alcohol (E-1519, F.C.C.) ADITIO 76
203977 D(+)-Biotin (F.C.C.) ADITIO 77
201082 1-Butanol (F.C.C.) ADITIO 97
201429 Butanone (Methylethylketone) (F.C.C.) ADITIO 98
201202 n-Butyl Acetate (F.C.C.) ADITIO 99
204233 2-tert-Butyl-4-Methoxyphenol (E-320, F.C.C.) ADITIO 100
201211 Calcium Acetate x-hydrate (E-263, F.C.C.) ADITIO 105
201225 Calcium Bis (di-Hydrogen Phosphate) 1-hydrate (E-341i, F.C.C.) ADITIO 106
204395 Calcium Carbonate precipitated, low in iron (0,001%) (E-170i, F.C.C.) ADITIO 106
201212 Calcium Carbonate precipitated (E-170i, F.C.C.) ADITIO 107
204954 Calcium Chloride 2-hydrate flakes (E-509, F.C.C.) ADITIO 107
201232 Calcium Chloride 2-hydrate powder (E-509, F.C.C.) ADITIO 108
201214 Calcium Chloride 6-hydrate (E-509) ADITIO 108
202824 Calcium Chloride solution 45% w/w (as $CaCl_2.2H_2O$) (E-509, F.C.C.) ADITIO 108
201213 tri-Calcium di-Citrate 4-hydrate (E-333iii, F.C.C.) ADITIO 109
203290 Calcium D-Gluconate 1-hydrate (E-578, F.C.C.) ADITIO 109
201227 Calcium Hydrogen Phosphate anhydrous (E-341ii, F.C.C.) ADITIO 109
201226 Calcium Hydrogen Phosphate 2-hydrate (E-341ii, F.C.C.) ADITIO 110
202400 Calcium Hydroxide, powder (E-526, F.C.C.) ADITIO 110
201230 Calcium Lactate 5-hydrate (E-327, F.C.C.) ADITIO 110
201228 tri-Calcium Phosphate (E-341iii, F.C.C.) ADITIO 111
203238 Calcium Propionate (E-282, F.C.C.) ADITIO 112
201818 Calcium Stearate (E-470a, F.C.C.) ADITIO 112
201235 Calcium Sulphate 2-hydrate (E-516, F.C.C.) ADITIO 112
202416 Carboxymethylcellulose Sodium Salt low viscosity (E-466, F.C.C.) ADITIO 116
204441 Carboxymethylcellulose Sodium Salt medium viscosity (E-466, F.C.C.) ADITIO 117
203922 Carboxymethylcellulose Sodium Salt high viscosity (E-466, F.C.C.) ADITIO 117
201237 Charcoal Activated powder (E-153, F.C.C.) ADITIO 120
201808 Citric Acid anhydrous (E-330, F.C.C.) ADITIO 129
201018 Citric Acid 1-hydrate (E-330, F.C.C.) ADITIO 130
203645 L-Cystine (E-921, F.C.C.) ADITIO 144
202825 2,6-Di-tert-Butyl-4-Methylphenol (E-321, F.C.C.) ADITIO 148
201254 Dichloromethane stabilized with amylene (F.C.C.) ADITIO 153
201877 1-Dodecanol (F.C.C.) ADITIO 173
201086 Ethanol absolute (F.C.C.) ADITIO 177
201085 Ethanol 96% v/v (F.C.C.) ADITIO 179
202695 Ethanol 70% v/v ADITIO 180
201318 Ethyl Acetate (F.C.C.) ADITIO 182
201669 Ethylenediaminetetraacetic Acid Disodium Salt 2-hydrate (F.C.C.) ADITIO 184
201319 Ethyl (S)-(-)-Lactate (F.C.C.) ADITIO 188
20B216 Folic Acid (F.C.C.) ADITIO 196
201030 Formic Acid 98% (F.C.C.) ADITIO 199
201029 Formic Acid 85% (F.C.C.) ADITIO 199
202728 D(-)-Fructose (F.C.C.) ADITIO 200
202344 Fumaric Acid (E-297, F.C.C.) ADITIO 201
202060 Gelatine 80-100 Blooms ADITIO 202
201341 D(+)-Glucose anhydrous (F.C.C.) ADITIO 204
203140 D(+)-Glucose 1-hydrate (F.C.C.) ADITIO 204
202042 L-Glutamic Acid (E-620, F.C.C.) ADITIO 205
201339 Glycerol (E-422, F.C.C.) ADITIO 206
201922 Glycerol tri-Acetate (E-1518, F.C.C.) ADITIO 207
201340 Glycine (E-640, F.C.C.) ADITIO 208
201020 Hydrochloric Acid 37% (E-507, F.C.C.) ADITIO 223
201076 Hydrogen Peroxide 30% w/v (100 vol.) stabilized (F.C.C.) ADITIO 230
202515 Iron(III) Phosphate x-hydrate (F.C.C.) ADITIO 241
201362 Iron(II) Sulphate 7-hydrate (F.C.C.) ADITIO 241
201089 Isobutanol (F.C.C.) ADITIO 243
202880 L-Isoleucine (F.C.C.) ADITIO 244
201034 L(+)-Lactic Acid (F.C.C.) ADITIO 250
201375 Lactose 1-hydrate (F.C.C.) ADITIO 251
202046 L-Leucine (F.C.C.) ADITIO 255
203385 D(+)-Limonene (F.C.C.) ADITIO 255
204764 L-Lysine mono-Hydrochloride (F.C.C.) ADITIO 260
201396 Magnesium Chloride 6-hydrate (E-511, F.C.C.) ADITIO 261
201927 Magnesium Hydrogen Phosphate 3-hydrate (E-343ii, F.C.C.) ADITIO 262
201395 Magnesium Hydroxide Carbonate 5-hydrate (E-504ii) ADITIO 262
201276 Magnesium Oxide (F.C.C.) ADITIO 263
201399 tri-Magnesium di-Phosphate 5-hydrate (F.C.C.) ADITIO 263
202029 Magnesium Stearate (E-470b, F.C.C.) ADITIO 264
201404 Magnesium Sulphate 7-hydrate (F.C.C.) ADITIO 264
202051 DL-Malic Acid (E-296, F.C.C.) ADITIO 266
201410 Manganese(II) Chloride 4-hydrate (F.C.C.) ADITIO 268
201413 Manganese(II) Sulphate 1-hydrate (F.C.C.) ADITIO 269
202067 D(-)-Mannitol (E-421, F.C.C.) ADITIO 269
201091 Methanol (F.C.C.) ADITIO 277
202882 L-Methionine (F.C.C.) ADITIO 279
203332 Methyl 4-Hydroxybenzoate (E-218, F.C.C.) ADITIO 284
202786 Octanoic Acid (E-570, F.C.C.) ADITIO 305
202345 Palmitic Acid (E-570, F.C.C.) ADITIO 309
203209 Paraffin M.P. 51-53°C pellets (F.C.C.) ADITIO 309
204621 Paraffin M.P. 60-65°C (F.C.C.) ADITIO 310
202047 L-Phenylalanine (F.C.C.) ADITIO 324
201032 ortho-Phosphoric Acid 85% (F.C.C.) ADITIO 328
206076 Polysorbate 20 (E-432) ADITIO 333
206158 Polysorbate 40 (E-434) ADITIO 333
206159 Polysorbate 60 (E-435) ADITIO 333
206160 Polysorbate 65 (E-436) ADITIO 334
206075 Polysorbate 80 (E-433) ADITIO 334
201479 Potassium Acetate (E-261) ADITIO 335
201487 Potassium Bromate (F.C.C.) ADITIO 336
201490 Potassium Carbonate (E-501i, F.C.C.) ADITIO 337
201494 Potassium Chloride (E-508, F.C.C.) ADITIO 339
201492 tri-Potassium Citrate 1-hydrate (E-332ii, F.C.C.) ADITIO 340
201522 Potassium Disulphite (E-224, F.C.C.) ADITIO 343
201505 Potassium Hexacyanoferrate(II) 3-hydrate (E-536) ADITIO 344
201480 Potassium Hydrogen Carbonate (E-501ii, F.C.C.) ADITIO 345
201512 di-Potassium Hydrogen Phosphate anhydrous (E-340ii, F.C.C.) ADITIO 346
201509 Potassium di-Hydrogen Phosphate (E-340i, F.C.C.) ADITIO 347
201486 Potassium Hydrogen Tartrate (E-336i, F.C.C.) ADITIO 348
201515 Potassium Hydroxide 85% pellets (E-525, F.C.C.) ADITIO 349
201540 Potassium Iodate (F.C.C.) ADITIO 352
201542 Potassium Iodide (F.C.C.) ADITIO 353
201524 Potassium Nitrate without anticaking (E-252, F.C.C.) ADITIO 354
206401 Potassium Nitrate with anticaking (E-252, F.C.C.) ADITIO 354
201855 Potassium Nitrite (E-249, F.C.C.) ADITIO 354
201513 tri-Potassium Phosphate 1,5-hydrate (E-340iii, F.C.C.) ADITIO 357
204321 tetra-Potassium Pyrophosphate anhydrous (E-450v, F.C.C.) ADITIO 357
201729 Potassium Sodium Tartrate 4-hydrate (E-337, F.C.C.) ADITIO 358
201531 Potassium Sorbate (E-202, F.C.C.) ADITIO 358
201532 Potassium Sulphate (E-515i, F.C.C.) ADITIO 359
203646 L-Proline (F.C.C.) ADITIO 360
201545 1,2-Propanediol (E-1520, F.C.C.) ADITIO 361
201090 2-Propanol (F.C.C.) ADITIO 364
201810 Propionic Acid (E-280, F.C.C.) ADITIO 365
201962 Propyl Gallate (E-310, F.C.C.) ADITIO 366
202475 Siliceous Earth purified and calcined (F.C.C.) ADITIO 376
201633 Sodium Acetate anhydrous (E-262i, F.C.C.) ADITIO 380
201632 Sodium Acetate 3-hydrate (E-262i, F.C.C.) ADITIO 380
203865 Sodium L(+)-Ascorbate (E-301, F.C.C) ADITIO 381
201637 Sodium Benzoate (E-211, F.C.C.) ADITIO 382
201648 Sodium Carbonate anhydrous (E-500i, F.C.C.) ADITIO 385
202032 Sodium Carbonate 1-hydrate (E-500i, F.C.C.) ADITIO 385
201647 Sodium Carbonate 10-hydrate (E-500i, F.C.C.) ADITIO 386
201659 Sodium Chloride (F.C.C.) ADITIO 387
201655 tri-Sodium Citrate 2-hydrate (E-331iii, F.C.C.) ADITIO 389
201656 tri-Sodium Citrate 5,5-hydrate (E-331iii) ADITIO 389
201698 Sodium Disulphite (E-223, F.C.C.) ADITIO 391
202363 Sodium Dodecyl Sulphate (F.C.C.) ADITIO 392
201683 Sodium L-Glutamate 1-hydrate (E-621, F.C.C.) ADITIO 393
201665 Sodium Hydrogen di-Acetate (E-262ii, F.C.C.) ADITIO 394
201638 Sodium Hydrogen Carbonate (E-500ii, F.C.C.) ADITIO 395
201654 di-Sodium Hydrogen Citrate 1 1/2-hydrate (E-331ii) ADITIO 395
201679 di-Sodium Hydrogen Phosphate anhydrous (E-339ii, F.C.C.) ADITIO 396
202507 di-Sodium Hydrogen Phosphate 2-hydrate (E-339ii, F.C.C.) ADITIO 396
201678 di-Sodium Hydrogen Phosphate 12-hydrate (E-339ii) ADITIO 397
201965 Sodium di-Hydrogen Phosphate 1-hydrate (E-339i, F.C.C.) ADITIO 398
201677 Sodium di-Hydrogen Phosphate 2-hydrate (E-339i, F.C.C.) ADITIO 398
201709 di-Sodium di-Hydrogen Pyrophosphate (E-450i, F.C.C.) ADITIO 398
201687 Sodium Hydroxide pellets (E-524, F.C.C.) ADITIO 399
203307 Sodium Lactate solution 50% w/w (E-325, F.C.C.) ADITIO 406
201702 Sodium Nitrate (E-251, F.C.C.) ADITIO 407
201703 Sodium Nitrite (E-250, F.C.C.) ADITIO 408
201680 tri-Sodium Phosphate 12-hydrate (E-339iii, F.C.C.) ADITIO 411
201684 Sodium Polyphosphate (E-452i, F.C.C.) ADITIO 411
201711 tetra-Sodium Pyrophosphate anhydrous (E-450iii, F.C.C.) ADITIO 411
201710 tetra-Sodium Pyrophosphate 10-hydrate (E-450iii, F.C.C.) ADITIO 412
205522 Sodium Stearate (E-470a) ADITIO 413
201716 Sodium Sulphate anhydrous (E-514i, F.C.C.) ADITIO 414
201715 Sodium Sulphate 10-hydrate (E-514i, F.C.C.) ADITIO 414
201717 Sodium Sulphite anhydrous (E-221, F.C.C.) ADITIO 415
201719 Sodium Tartrate 2-hydrate (E-335ii, F.C.C.) ADITIO 416
201721 Sodium Thiosulphate 5-hydrate (F.C.C.) ADITIO 417
201055 Sorbic Acid (E-200, F.C.C.) ADITIO 418

203064 D(-)-Sorbite (E-420i, F.C.C.) ADITIO ... 420
202512 Stearic Acid 50 (fatty acids mixture) (E-570, F.C.C.) ADITIO ... 438
201883 Succinic Acid (E-363, F.C.C.) ADITIO ... 439
201058 Sulphuric Acid 95-98% (F.C.C.) ADITIO ... 444
201733 Talc washed (E-553b, F.C.C.) ADITIO ... 447
201065 Tannic Acid (F.C.C.) ADITIO ... 448
201066 L(+)-Tartaric Acid (E-334, F.C.C.) ADITIO ... 448
201303 Tin(II) Chloride 2-hydrate (E-512, F.C.C.) ADITIO ... 456
202101 Titanium(IV) Oxide (E-171, F.C.C.) ADITIO ... 457
204644 DL-a-Tocopherol (E-307, F.C.C.) ADITIO ... 458
202312 Tween® 20 (E-432) ADITIO ... 475
202050 Tween® 80 (E-433) ADITIO ... 475
206392 Urea pearls, (E-927b, F.C.C.) ADITIO ... 476
205044 L-Valine (F.C.C.) ADITIO ... 477
202048 Vanillin (F.C.C.) ADITIO ... 477
201003 Vaseline Oil (F.C.C.) ADITIO ... 478
201786 Zinc Oxide (F.C.C.) ADITIO ... 487
201788 Zinc Sulphate 1-hydrate (F.C.C.) ADITIO ... 488
201787 Zinc Sulphate 7-hydrate (F.C.C.) ADITIO ... 488

Extraction Solvents used in the production of foodstuffs

201007 Acetone (F.C.C.) ADITIO ... 26
201082 1-Butanol (F.C.C.) ADITIO ... 97
201429 Butanone (Methylethylketone) (F.C.C.) ADITIO ... 98
201254 Dichloromethane stabilized with amylene (F.C.C.) ADITIO ... 153
201086 Ethanol absolute (F.C.C.) ADITIO ... 177
201085 Ethanol 96% v/v (F.C.C.) ADITIO ... 179
202695 Ethanol 70% v/v ADITIO ... 180
201318 Ethyl Acetate (F.C.C.) ADITIO ... 182
201091 Methanol (F.C.C.) ADITIO ... 277
201090 2-Propanol (F.C.C.) ADITIO ... 364

PRODUCTS FOR INSTRUMENTAL ANALYSIS

HPLC Solvents Gradient Grade

221881 Acetonitrile (HPLC-gradient grade) PAI-ACS ... 27
221086 Ethanol absolute (HPLC-gradient grade) PAI ... 176
221091 Methanol (HPLC-gradient grade) PAI-ACS ... 275
221090 2-Propanol (HPLC-gradient grade-UV-IR) PAI ... 363
221074 Water (HPLC-gradient grade) PAI ... 479

Isocratic and Preparative HPLC

361008 Acetic Acid glacial (HPLC) PAI ... 22
361007 Acetone (UV-IR-HPLC-GPC) PAI-ACS ... 25
361881 Acetonitrile (UV-IR-HPLC-isocratic) PAI-ACS ... 27
261881 Acetonitrile (HPLC-preparative) PAI ... 27
361192 Benzene (UV-IR-HPLC-GPC) PAI-ACS ... 71
361082 1-Butanol (UV-IR-HPLC) PAI ... 96
361429 Butanone (Methylethylketone) (UV-IR-HPLC) PAI ... 97
363312 tert-Butyl Methyl Ether (UV-IR-HPLC-HPLC preparative) PAI ... 101
361244 Carbon Disulphide (UV-IR-HPLC) PAI ... 114
361245 Carbon Tetrachloride (UV-HPLC-GPC) (E.U.) PAI ... 115
364343 1-Chlorobutane (UV-IR-HPLC) PAI ... 124
361250 Cyclohexane (UV-IR-HPLC) PAI-ACS ... 140
361892 1,2-Dichlorobenzene (UV-HPLC-GPC) PAI ... 150
361286 1,2-Dichloroethane (UV-IR-HPLC-GPC) PAI ... 151
361254 Dichloromethane stabilized with ~20 ppm of amylene (UV-IR-HPLC-HPLC preparative-GPC) PAI-ACS ... 152
362551 Diethyl Ether stabilized with ethanol (UV-IR-HPLC) PAI ... 157
363145 N,N-Dimethylacetamide (UV-IR-HPLC) PAI ... 162
361785 N,N-Dimethylformamide (UV-IR-HPLC-GPC) PAI-ACS ... 164
361954 Dimethyl Sulphoxide (UV-IR-HPLC-GPC) PAI ... 167
361296 1,4-Dioxan stabilized with ~2 ppm of BHT (UV-IR-HPLC) PAI ... 170
361086 Ethanol absolute (UV-IR-HPLC) PAI ... 176
361085 Ethanol 96% v/v (UV-IR-HPLC) PAI ... 178
361318 Ethyl Acetate (UV-IR-HPLC-HPLC preparative) PAI-ACS ... 180
362062 n-Heptane (UV-IR-HPLC-HPLC preparative) PAI ... 210
362063 n-Hexane (UV-IR-HPLC) PAI ... 214
363242 n-Hexane 95% (UV-IR-HPLC) PAI-ACS ... 215
361347 Hexane, alkanes mixture (HPLC) PAI ... 216
361089 Isobutanol (UV-IR-HPLC) PAI ... 242
365261 Isohexane (UV-IR-HPLC) PAI ... 244
362064 Isooctane (UV-IR-HPLC) PAI-ACS ... 245
363501 Isopentane (UV-IR-HPLC) PAI ... 246
361091 Methanol (UV-IR-HPLC-HPLC isocratic) PAI-ACS ... 275
261091 Methanol (HPLC-preparative) PAI ... 275
363080 1-Methyl-2-Pyrrolidone (UV-IR-HPLC-GPC) PAI ... 287
362006 n-Pentane (UV-IR-HPLC) PAI ... 311
364462 n-Pentane 95% (UV-IR-HPLC) PAI ... 312
361885 1-Propanol (UV-IR-HPLC-HPLC preparative) PAI ... 361
261090 2-Propanol (HPLC) PAI ... 363
261090 2-Propanol (HPLC-preparative) PAI ... 363
365732 Propionitrile (UV-HPLC) PAI ... 365
361455 Tetrachloroethylene (UV-IR-HPLC-GPC) PAI ... 451
361736 Tetrahydrofuran (UV-IR-HPLC-GPC) PAI ... 451
361745 Toluene (UV-IR-HPLC-HPLC preparative-GPC) PAI-ACS ... 458
363541 1,2,4-Trichlorobenzene (UV-IR-HPLC-GPC) PAI ... 462
363101 Trichloromethane stabilized with X150 ppm of amylene (HPLC-GPC) PAI ... 463
361252 Trichloromethane stabilized with ethanol (UV-IR-HPLC-HPLC preparative) PAI ... 465
363266 1,1,2-Trichlorotrifluoroethane (UV-IR-HPLC) (E.U.) PAI ... 467
361074 Water (UV-HPLC) PAI-ACS ... 479

Ion Pair Reagents

365769 1-Butane Sulphonic Acid Sodium Salt (HPLC) PAI ... 96
364897 1-Heptane Sulphonic Acid Sodium Salt (HPLC) PAI ... 212
363428 1-Hexane Sulphonic Acid Sodium Salt (HPLC) PAI ... 217
363995 1-Octane Sulphonic Acid Sodium Salt (HPLC) PAI ... 305
364896 1-Pentane Sulphonic Acid Sodium Salt (HPLC) PAI ... 313
362363 Sodium Dodecyl Sulphate (HPLC) PAI ... 391
363622 Tetrabutylammonium Hydrogen Sulphate (HPLC) PAI ... 450

Solvents for LC-MS

701881 Acetonitrile (LC-MS) PAI ... 28
701091 Methanol (LC-MS) PAI ... 276
701074 Water (LC-MS) PAI ... 479

Solvents for Pesticide Residue Analysis

321007 Acetone (PAR) PAI ... 25
321881 Acetonitrile (PAR) PAI-ACS ... 28
323312 tert-Butyl Methyl Ether (PAR) PAI ... 101
321250 Cyclohexane (PAR) PAI ... 140
321254 Dichloromethane stabilized with ~20 ppm of amylene (PAR) PAI ... 152
322551 Diethyl Ether stabilized with ethanol (PAR) PAI ... 157
321318 Ethyl Acetate (PAR) PAI ... 181
323242 n-Hexane 95% (PAR) PAI ... 215
321347 Hexane, alkanes mixture (PAR) PAI ... 216
322064 Isooctane (PAR) PAI ... 245
321091 Methanol (PAR) PAI ... 276
326165 Mixture Cyclohexane/Ethyl Acetate 1:1 v/v (PAR) PAI ... 290
322006 n-Pentane (PAR) PAI ... 311
324462 n-Pentane 95% (PAR) PAI ... 312
321315 Petroleum Ether 40-60°C (PAR) PAI ... 318
321090 2-Propanol (PAR) PAI ... 363
321745 Toluene (PAR) PAI ... 458
321252 Trichloromethane stabilized with ethanol (PAR) PAI ... 465
321074 Water (PAR) PAI ... 479

Drying agents in Residue Pesticide Analysis

325708 Sodium Sulphate anhydrous, granulated (PAR) PAI ... 413
325709 Sodium Sulphate anhydrous, powder (PAR) PAI ... 413

Solvents for Spectroscopy (UV, IR)

361008 Acetic Acid glacial (HPLC) PAI ... 22
361007 Acetone (UV-IR-HPLC-GPC) PAI-ACS ... 25
361881 Acetonitrile (UV-IR-HPLC-isocratic) PAI-ACS ... 27
361192 Benzene (UV-IR-HPLC-GPC) PAI-ACS ... 71
361082 1-Butanol (UV-IR-HPLC) PAI ... 96
361429 Butanone (Methylethylketone) (UV-IR-HPLC) PAI ... 97
363312 tert-Butyl Methyl Ether (UV-IR-HPLC-HPLC preparative) PAI ... 101
361244 Carbon Disulphide (UV-IR-HPLC) PAI ... 114
361245 Carbon Tetrachloride (UV-HPLC-GPC) (E.U.) PAI ... 115
364343 1-Chlorobutane (UV-IR-HPLC) PAI ... 124
361250 Cyclohexane (UV-IR-HPLC) PAI-ACS ... 140
361892 1,2-Dichlorobenzene (UV-HPLC-GPC) PAI ... 150
361286 1,2-Dichloroethane (UV-IR-HPLC-GPC) PAI ... 151
361254 Dichloromethane stabilized with ~20 ppm of amylene (UV-IR-HPLC-HPLC preparative-GPC) PAI-ACS ... 152
362551 Diethyl Ether stabilized with ethanol (UV-IR-HPLC) PAI ... 157
363145 N,N-Dimethylacetamide (UV-IR-HPLC) PAI ... 162
361785 N,N-Dimethylformamide (UV-IR-HPLC-GPC) PAI-ACS ... 164
361954 Dimethyl Sulphoxide (UV-IR-HPLC-GPC) PAI ... 167
361296 1,4-Dioxan stabilized with ~2 ppm of BHT (UV-IR-HPLC) PAI ... 170
361086 Ethanol absolute (UV-IR-HPLC) PAI ... 176
361085 Ethanol 96% v/v (UV-IR-HPLC) PAI ... 178
361318 Ethyl Acetate (UV-IR-HPLC-HPLC preparative) PAI-ACS ... 180
362062 n-Heptane (UV-IR-HPLC-HPLC preparative) PAI ... 210
362063 n-Hexane (UV-IR-HPLC) PAI ... 214
363242 n-Hexane 95% (UV-IR-HPLC) PAI-ACS ... 215
361089 Isobutanol (UV-IR-HPLC) PAI ... 242
365261 Isohexane (UV-IR-HPLC) PAI ... 244
362064 Isooctane (UV-IR-HPLC) PAI-ACS ... 245
363501 Isopentane (UV-IR-HPLC) PAI ... 246
361091 Methanol (UV-IR-HPLC-HPLC isocratic) PAI-ACS ... 275
363080 1-Methyl-2-Pyrrolidone (UV-IR-HPLC-GPC) PAI ... 287
362006 n-Pentane (UV-IR-HPLC) PAI ... 311
364462 n-Pentane 95% (UV-IR-HPLC) PAI ... 312
361315 Petroleum Ether 40-60°C (UV) PAI ... 318
361885 1-Propanol (UV-IR-HPLC-HPLC preparative) PAI ... 361
365732 Propionitrile (UV-HPLC) PAI ... 365
361455 Tetrachloroethylene (UV-IR-HPLC-GPC) PAI ... 451
361736 Tetrahydrofuran (UV-IR-HPLC-GPC) PAI ... 451
361745 Toluene (UV-IR-HPLC-HPLC preparative-GPC) PAI-ACS ... 458
363541 1,2,4-Trichlorobenzene (UV-IR-HPLC-GPC) PAI ... 462
363101 Trichloromethane stabilized with X150 ppm of amylene (HPLC-GPC) PAI ... 463

Specific products for IR spectroscopy

331245 Carbon Tetrachloride (IR) (E.U.) PAI ... 115
331489 Potassium Bromide (IR) PAI ... 336
331003 Vaseline Oil (IR) PAI ... 477

Derivatization reagents for Gas Chromatography

355788 N,O-Bis (Trimethylsilyl) Acetamide CG ... 79
355588 N,O-Bis (Trimethylsilyl) Trifluoroacetamide CG ... 79
352776 Chlorotrimethylsilane CG ... 126
355600 N,N-Dimethylformamide-Dimethylacetal CG ... 166
355584 Heptafluorobutyric Anhydride CG ... 210
355599 Hexamethyldisilazane CG ... 213
355590 N-Methyl-Bis (Trifluoroacetamide) CG ... 281
355587 N-Methyl-N-(Trimethylsilyl) Trifluoroacetamide CG ... 289
355650 Silan-Sterol-1 CG ... 375
353316 Trifluoroacetic Anhydride CG ... 469
352615 N-(Trimethylsilyl) Diethylamine CG ... 471
352616 N-(Trimethylsilyl) Imidazole CG ... 471
355585 Trimethylsulphonium Hydroxide 0,2 mol/l in methanol CG ... 471

Deuterated Solvents

745839 Acetone-D6 deuteration degree min. 99,95% (NMR) PAI ... 26
745838 Acetone-D6 deuteration degree min. 99,8% (NMR) PAI ... 26
745837 Acetone-D6 deuteration degree min. 99,5% (NMR) PAI ... 26
745842 Acetonitrile-D3 deuteration degree min. 99,95% (NMR) PAI ... 29
745841 Acetonitrile-D3 deuteration degree min. 99,8% (NMR) PAI ... 29
745840 Acetonitrile-D3 deuteration degree min. 99,5% (NMR) PAI ... 29
745845 Benzene-D6 deuteration degree min. 99,95% (NMR) PAI ... 72
745844 Benzene-D6 deuteration degree min. 99,8% (NMR) PAI ... 72
745843 Benzene-D6 deuteration degree min. 99,5% (NMR) PAI ... 72
745851 Deuterium Oxide deuteration degree min. 99,98% (NMR) PAI ... 147
745849 Deuterium Oxide deuteration degree min. 99,8% (NMR) PAI ... 147
745854 Dichloromethane-D2 deuteration degree min. 99,95% (NMR) PAI ... 154
745853 Dichloromethane-D2 deuteration degree min. 99,8% (NMR) PAI ... 154
745852 Dichloromethane-D2 deuteration degree min. 99,5% (NMR) PAI ... 154
745855 N,N-Dimethylformamide-D7 deuteration degree min. 99,5% (NMR) PAI ... 165
745862 Dimethyl Sulphoxide-D6 deuteration degree min. 99,95% (NMR) PAI ... 168
745861 Dimethyl Sulphoxide-D6 deuteration degree min. 99,9% (NMR) PAI ... 168
745860 Dimethyl Sulphoxide-D6 deuteration degree min. 99,8% (NMR) PAI ... 168
745858 Methanol-D4 deuteration degree min. 99,95% (NMR) PAI ... 278
745857 Methanol-D4 deuteration degree min. 99,8% (NMR) PAI ... 278
745856 Methanol-D4 deuteration degree min. 99,5% (NMR) PAI ... 278
745865 Pyridine-D5 deuteration degree min. 99,95% (NMR) PAI ... 368
745864 Pyridine-D5 deuteration degree min. 99,8% (NMR) PAI ... 368
745863 Pyridine-D5 deuteration degree min. 99,5% (NMR) PAI ... 368
745866 1,1,2,2-Tetrachloroethane-D2 deuteration degree min. 99,5% (NMR) PAI ... 450
745867 Tetrahydrofuran-D8 deuteration degree min. 99,5% (NMR) PAI ... 452
745335 Tetramethylsilane (NMR) PAI ... 453
745869 Toluene-D8 deuteration degree min. 99,8% (NMR) PAI ... 459
745868 Toluene-D8 deuteration degree min. 99,5% (NMR) PAI ... 460
745847 Trichloromethane-D1 deuteration degree min. 99,95% (NMR) PAI ... 466
745848 Trichloromethane-D1 deuteration degree min. 99,95% stabilized with Ag (NMR) PAI ... 466
745846 Trichloromethane-D1 deuteration degree min. 99,8% stabilized with Ag (NMR) PAI ... 466
745870 Trifluoroacetic Acid-D1 deuteration degree min. 99,5% (NMR) PAI ... 469
745876 Caps for NMR tubes PAI ... 474
745872 Tube 5TA (Throw away) 178 mm (NMR) PAI ... 474
745873 Tube 5P (Precision) 178 mm (NMR) PAI ... 474
745874 Tube 5HP (High precision) 178 mm (NMR) PAI ... 474
745875 Tube 5UP (Utra precision) 178 mm (NMR) PAI ... 474

Other HPLC products

395138 Kit for HPLC Linearity Verification RS ... 248

TLC DEVELOPERS, Solution ready to use

174256 2',7'-Dichlorofluorescein in 2-propanol, TLC developer RE ... 152
174255 Ninhydrin in 2-propanol, TLC developer RE ... 297
174249 Rhodamine B in ethanol absolute, TLC developer RE ... 371

DRY SOLVENTS

481007 Acetone dry (max. 0,01% water) DS ... 25
481881 Acetonitrile dry (max. 0,005% water) DS-ACS ... 28
481192 Benzene dry (max. 0,005% water) DS-ACS-ISO ... 71
481429 Butanone dry (max. 0,02% water) (Methylethylketone) DS-ACS ... 98
481244 Carbon Disulphide dry (max. 0.005% water) low in aromatic compounds DS-ACS ... 114
481953 Chlorobenzene dry (max. 0,01% water) DS-ACS ... 122
481250 Cyclohexane dry (max. 0,005% water) DS-ACS-ISO ... 140
481286 1,2-Dichloroethane dry (max. 0,005% water) DS-ACS ... 151
481254 Dichloromethane dry (max. 0,005% water) stabilized with amylene DS-ACS-ISO ... 153
483675 Dichloromethane dry (max. 0,005% water) stabilized with ~0,2% of ethanol DS-ACS-ISO ... 154

482770 Diethyl Ether dry (max. 0,0075% water) stabilized with ~6 ppm of BHT DS-ACS-ISO ... 157
481785 N,N-Dimethylformamide dry (max. 0,01% water) DS-ACS-ISO ... 165
481954 Dimethyl Sulphoxide dry (max. 0,03% water) DS-ACS ... 167
481296 1,4-Dioxan dry (max. 0,01% water) stabilized with ~25 ppm of BHT DS-ACS-ISO ... 170
481086 Ethanol absolute dry (max. 0,02% water) DS ... 176
481318 Ethyl Acetate dry (max. 0,005% water) DS-ACS-ISO ... 181
482062 n-Heptane dry (max. 0,005% water) DS ... 211
483242 n-Hexane 95% dry (max. 0,005% water) DS-ACS ... 215
482064 Isooctane dry (max. 0,005% water) DS-ACS ... 245
481091 Methanol dry (max. 0,005% water) DS-ACS-ISO ... 276
482802 Methylcyclohexane dry (max. 0,005% water) DS ... 282
484462 n-Pentane 95% dry (max. 0,005% water) DS ... 312
481315 Petroleum Ether 40-60°C dry (max. 0,005% water) DS-ACS-ISO ... 318
481090 2-Propanol dry (max. 0,01% water) DS-ACS-ISO ... 364
481457 Pyridine dry (max. 0,01% water) DS-ACS ... 367
483537 Tetrahydrofuran dry (max. 0,0075% water) stabilized with ~300 ppm of BHT DS-ACS ... 452
481745 Toluene dry (max. 0,005% water) DS-ACS-ISO ... 459
483101 Trichloromethane dry (max. 0,005% water) stabilized with ~50 ppm of amylene DS-ACS ... 463
481769 Xylene, mixture of isomers dry (max. 0,005% water) DS-ISO ... 481

REAGENTS FOR TRACE ANALYSIS

Hiperpur-Plus

711008 Acetic Acid glacial (TMA) HIPERPUR-PLUS ... 21
711128 Ammonia 20% (as NH_3) (TMA) HIPERPUR-PLUS ... 46
711019 Hydrochloric Acid 35% (TMA) HIPERPUR-PLUS ... 224
711028 Hydrofluoric Acid 48% (TMA) HIPERPUR-PLUS ... 227
711037 Nitric Acid 69% (TMA) HIPERPUR-PLUS ... 298
712175 Perchloric Acid 70% (TMA) HIPERPUR-PLUS ... 315
711058 Sulphuric Acid 93-98% (TMA) HIPERPUR-PLUS ... 442
711074 Water (TMA) HIPERPUR-PLUS ... 479

Hiperpur

721008 Acetic Acid glacial (TMA) HIPERPUR ... 21
721881 Acetonitrile (HPLC-hypergradient grade) HIPERPUR ... 27
721128 Ammonia 20% (as NH_3) (TMA) HIPERPUR ... 46
721019 Hydrochloric Acid 35% (TMA) HIPERPUR ... 224
721028 Hydrofluoric Acid 48% (TMA) HIPERPUR ... 228
721091 Methanol (HPLC-hypergradient grade) HIPERPUR ... 275
721037 Nitric Acid 69% (TMA) HIPERPUR ... 298
722175 Perchloric Acid 70% (TMA) HIPERPUR ... 315
721058 Sulphuric Acid 93-98% (TMA) HIPERPUR ... 442

Analpur

381020 Hydrochloric Acid 37% (TMA) ANALPUR ... 222
383255 Nitric Acid 65% (TMA) ANALPUR ... 300

With low content in mercury (Hg)

471020 Hydrochloric Acid 37% (max.0,0000005% Hg) PA-ACS-ISO ... 222
471914 Hydroxylammonium Chloride (max. 0,000001% Hg) PA-ACS-ISO ... 232
473255 Nitric Acid 65% (max. 0,0000005% Hg) PA-ISO ... 300
472175 Perchloric Acid 70% (max. 0,0000005% Hg) PA-ACS-ISO ... 316
471500 Potassium Dichromate (max. 0,000005% Hg) PA-ACS-ISO ... 341
471527 Potassium Permanganate (max. 0,000005% Hg) PA-ACS ... 356
471659 Sodium Chloride (max. 0,0000005% Hg) PA-ACS-ISO ... 386
471058 Sulphuric Acid 95-98% (max. 0,0000005% Hg) PA-ACS-ISO ... 443
471303 Tin(II) Chloride 2-hydrate (max. 0,0000005% Hg) PA-ACS ... 456

Reagent for Hydrures generation in mercury determination

123314 Sodium Borohydride (Reag. USP) PA ... 383

Fluxes and auxiliary products for XRF

125596 Boric Acid in tablets PA ... 81
122705 Lanthanum(III) Oxide (Reag. Ph. Eur.) PA ... 251
123205 Lithium meta-Borate anhydrous PA ... 257
122903 di-Lithium tetra-Borate PA ... 257
126150 Micropowder Wax (Licowax C®) PA ... 290
123052 di-Sodium tetra-Borate anhydrous PA ... 382

Elemental Standards for AAS and spectrophotometry

313170 Aluminium standard solution Al=1,000±0,002 g/l AA ... 421
314133 Antimony standard solution Sb=1,000±0,002 g/l AA ... 421
313171 Arsenic standard solution As=1,000±0,002 g/l AA ... 421
313172 Barium standard solution Ba=1,000±0,002 g/l AA ... 421
313174 Bismuth standard solution Bi=1,000±0,002 g/l AA ... 421
313175 Cadmium standard solution Cd=1,000±0,002 g/l AA ... 421
313176 Calcium standard solution Ca=1,000±0,002 g/l AA ... 421
313179 Chromium standard solution Cr=1,000±0,002 g/l AA ... 421
313177 Cobalt standard solution Co=1,000±0,002 g/l AA ... 421
313178 Copper standard solution Cu=1,000±0,002 g/l AA ... 421
312682 Fluoride standard solution F=1,000±0,005 g/l AA ... 421
313672 Gold standard solution Au=1,000±0,002 g/l AA ... 422
313182 Iron standard solution Fe=1,000±0,002 g/l AA ... 422
313189 Lead standard solution Pb=1,000±0,002 g/l AA ... 422
313183 Lithium standard solution Li=1,000±0,002 g/l AA ... 422
313184 Magnesium standard solution Mg=1,000±0,002 g/l AA ... 422
313185 Manganese standard solution Mn=1,000±0,002 g/l AA ... 422
313186 Mercury standard solution Hg=1,000±0,002 g/l AA ... 422
314111 Molybdenum standard solution Mo=1,000±0,002 g/l AA ... 422
313187 Nickel standard solution Ni=1,000±0,002 g/l AA ... 422
313190 Potassium standard solution K=1,000±0,002 g/l AA ... 422
313191 Selenium standard solution Se=1,000±0,002 g/l AA ... 422
312683 Silicon standard solution Si=1,00±0,05 g/l AA ... 422
313188 Silver standard solution Ag=1,000±0,002 g/l AA ... 422
313192 Sodium standard solution Na=1,000±0,002 g/l AA ... 422
313181 Strontium standard solution Sr=1,000±0,002 g/l AA ... 423
314240 Sulphate standard solution SO4=1,000±0,002 g/l AA ... 423
313180 Tin standard solution Sn=1,000±0,002 g/l AA ... 423
313960 Titanium standard solution Ti=1,000±0,002 g/l AA ... 423
313193 Zinc standard solution Zn=1,000±0,002 g/l AA ... 423

Matrix Modifiers and Ionization Buffers for Atomic Absorption

176167 Buffer Solution Aluminium Nitrate/Cesium Chloride RE ... 91
176168 Buffer Solution Cesium Chloride/Lanthanum Chloride RE ... 91
176166 Lanthanum Matrix Modifier RE ... 270
176170 Magnesium Matrix Modifier RE ... 270
176169 Phosphate Matrix Modifier RE ... 270

Standards for ICP

766034 Aluminium standard solution Al=1,000±0,002 g/l ICP ... 424
775943 Aluminium standard solution Al=10,00±0,02 g/l ICP ... 424
766035 Antimony standard solution Sb=1,000±0,002 g/l ICP ... 424
775944 Antimony standard solution Sb=10,00±0,02 g/l ICP ... 424
766036 Arsenic standard solution As=1,000±0,002 g/l ICP ... 424
775945 Arsenic standard solution As=10,00±0,02 g/l ICP ... 424
766037 Barium standard solution Ba=1,000±0,002 g/l ICP ... 424
775947 Barium standard solution Ba=10,00±0,02 g/l ICP ... 424
763173 Beryllium standard solution Be=1,000±0,002 g/l ICP ... 424
775899 Beryllium standard solution Be=10,00±0,02 g/l ICP ... 425
766039 Bismuth standard solution Bi=1,000±0,002 g/l ICP ... 425
775948 Bismuth standard solution Bi=10,00±0,02 g/l ICP ... 425
765900 Boron standard solution B=1,000±0,002 g/l ICP ... 425
766038 Cadmium standard solution Cd=1,000±0,002 g/l ICP ... 425
775949 Cadmium standard solution Cd=10,00±0,02 g/l ICP ... 425
766040 Calcium standard solution Ca=1,000±0,002 g/l ICP ... 425
775950 Calcium standard solution Ca=10,00±0,02 g/l ICP ... 425
765901 Cerium standard solution Ce=1,000±0,002 g/l ICP ... 425
775951 Cerium standard solution Ce=10,00±0,02 g/l ICP ... 425
765902 Cesium standard solution Cs=1,000±0,002 g/l ICP ... 425
775952 Cesium standard solution Cs=10,00±0,02 g/l ICP ... 425
765903 Chloride standard solution Cl=1,000±0,002 g/l ICP ... 425
775953 Chloride standard solution Cl=10,00±0,02 g/l ICP ... 425
766043 Chromium standard solution Cr=1,000±0,002 g/l ICP ... 425
775956 Chromium standard solution Cr=10,00±0,02 g/l ICP ... 425
766041 Cobalt standard solution Co=1,000±0,002 g/l ICP ... 425
775954 Cobalt standard solution Co=10,00±0,02 g/l ICP ... 426
766042 Copper standard solution Cu=1,000±0,002 g/l ICP ... 426
775955 Copper standard solution Cu=10,00±0,02 g/l ICP ... 426
765904 Dysprosium standard solution Dy=1,000±0,002 g/l ICP ... 426
775957 Dysprosium standard solution Dy=10,00±0,02 g/l ICP ... 426
765905 Erbium standard solution Er=1,000±0,002 g/l ICP ... 426
775958 Erbium standard solution Er=10,00±0,02 g/l ICP ... 426
765906 Europium standard solution Eu=1,000±0,002 g/l ICP ... 426
775962 Europium standard solution Eu=10,00±0,02 g/l ICP ... 426
765908 Gadolinium standard solution Gd=1,000±0,002 g/l ICP ... 426
775963 Gadolinium standard solution Gd=10,00±0,02 g/l ICP ... 426
765909 Gallium standard solution Ga=1,000±0,002 g/l ICP ... 426
775964 Gallium standard solution Ga=10,00±0,02 g/l ICP ... 426
765910 Germanium standard solution Ge=1,000±0,002 g/l ICP ... 426
775965 Germanium standard solution Ge=10,00±0,02 g/l ICP ... 427
766061 Gold standard solution Au=1,000±0,002 g/l ICP ... 427
775984 Gold standard solution Au=10,00±0,02 g/l ICP ... 427
765911 Hafnium standard solution Hf=1,000±0,002 g/l ICP ... 427
775966 Hafnium standard solution Hf=10,00±0,02 g/l ICP ... 427
765912 Holmium standard solution Ho=1,000±0,002 g/l ICP ... 427
775968 Holmium standard solution Ho=10,00±0,02 g/l ICP ... 427
765913 Indium standard solution In=1,000±0,002 g/l ICP ... 427
775969 Indium standard solution In=10,00±0,02 g/l ICP ... 427
765941 Iridium standard solution Ir=1,000±0,002 g/l ICP ... 427
775970 Iridium standard solution Ir=10,00±0,02 g/l ICP ... 427
766049 Iron standard solution Fe=1,000±0,002 g/l ICP ... 427
775967 Iron standard solution Fe=10,00±0,02 g/l ICP ... 427
765916 Lanthanum standard solution La=1,000±0,002 g/l ICP ... 427
775973 Lanthanum standard solution La=10,00±0,02 g/l ICP ... 428
766063 Lead standard solution Pb=1,000±0,002 g/l ICP ... 428
775988 Lead standard solution Pb=10,00±0,02 g/l ICP ... 428
766059 Lithium standard solution Li=1,000±0,002 g/l ICP ... 428
775974 Lithium standard solution Li=10,00±0,02 g/l ICP ... 428
765917 Lutetium standard solution Lu=1,000±0,002 g/l ICP ... 428
775975 Lutetium standard solution Lu=10,00±0,02 g/l ICP ... 428
766051 Magnesium standard solution Mg=1,000±0,002 g/l ICP ... 428
775976 Magnesium standard solution Mg=10,00±0,02 g/l ICP ... 428
766052 Manganese standard solution Mn=1,000±0,002 g/l ICP ... 428
775977 Manganese standard solution Mn=10,00±0,02 g/l ICP ... 428
766060 Mercury standard solution Hg=1,000±0,002 g/l ICP ... 428
775978 Mercury standard solution Hg=10,00±0,02 g/l ICP ... 428
766053 Molybdenum standard solution Mo=1,000±0,002 g/l ICP ... 428
775979 Molybdenum standard solution Mo=10,00±0,02 g/l ICP ... 429
765918 Neodymium standard solution Nd=1,000±0,002 g/l ICP ... 429
775980 Neodymium standard solution Nd=10,00±0,02 g/l ICP ... 429
766054 Nickel standard solution Ni=1,000±0,002 g/l ICP ... 429
775982 Nickel standard solution Ni=10,00±0,02 g/l ICP ... 429
765919 Niobium standard solution Nb=1,000±0,002 g/l ICP ... 429
775981 Niobium standard solution Nb=10,00±0,02 g/l ICP ... 429
765920 Nitrogen standard solution N=1,000±0,002 g/l ICP ... 429
775983 Nitrogen standard solution N=10,00±0,02 g/l ICP ... 429
765921 Osmium standard solution Os=1,000±0,002 g/l ICP ... 429
765922 Palladium standard solution Pd=1,000±0,002 g/l ICP ... 429
775985 Palladium standard solution Pd=10,00±0,02 g/l ICP ... 429
766384 Phosphorus standard solution P=1,000±0,002 g/l ICP ... 429
775907 Phosphorus standard solution P=10,00±0,02 g/l ICP ... 429
765923 Platinum standard solution Pt=1,000±0,002 g/l ICP ... 429
775987 Platinum standard solution Pt=10,00±0,02 g/l ICP ... 429
766050 Potassium standard solution K=1,000±0,002 g/l ICP ... 430
775989 Potassium standard solution K=10,00±0,02 g/l ICP ... 430
765924 Praseodymium standard solution Pr=1,000±0,002 g/l ICP ... 430
775990 Praseodymium standard solution Pr=10,00±0,02 g/l ICP ... 430
765925 Rhenium standard solution Re=1,000±0,002 g/l ICP ... 430
775991 Rhenium standard solution Re=10,00±0,02 g/l ICP ... 430
765926 Rhodium standard solution Rh=1,000±0,002 g/l ICP ... 430
775992 Rhodium standard solution Rh=10,00±0,02 g/l ICP ... 430
765927 Rubidium standard solution Rb=1,000±0,002 g/l ICP ... 430
775993 Rubidium standard solution Rb=10,00±0,02 g/l ICP ... 430
765928 Ruthenium standard solution Ru=1,000±0,002 g/l ICP ... 430
775994 Ruthenium standard solution Ru=10,00±0,02 g/l ICP ... 430
765929 Samarium standard solution Sm=1,000±0,002 g/l ICP ... 430
775995 Samarium standard solution Sm=10,00±0,02 g/l ICP ... 430
765930 Scandium standard solution Sc=1,000±0,002 g/l ICP ... 430
775959 Scandium standard solution Sc=10,00±0,02 g/l ICP ... 431
766055 Selenium standard solution Se=1,000±0,002 g/l ICP ... 431
775996 Selenium standard solution Se=10,00±0,02 g/l ICP ... 431
765997 Silicon standard solution Si=1,000±0,002 g/l ICP ... 431
775998 Silicon standard solution Si=10,00±0,02 g/l ICP ... 431
766062 Silver standard solution Ag=1,000±0,002 g/l ICP ... 431
775986 Silver standard solution Ag=10,00±0,02 g/l ICP ... 431
766056 Sodium standard solution Na=1,000±0,002 g/l ICP ... 431
775999 Sodium standard solution Na=10,00±0,02 g/l ICP ... 431
766048 Strontium standard solution Sr=1,000±0,002 g/l ICP ... 431
775961 Strontium standard solution Sr=10,00±0,02 g/l ICP ... 431
765898 Sulphur standard solution S=1,000±0,002 g/l ICP ... 431
775946 Sulphur standard solution S=10,00±0,02 g/l ICP ... 431
765932 Tantalum standard solution Ta=1,000±0,002 g/l ICP ... 431
776001 Tantalum standard solution Ta=10,00±0,02 g/l ICP ... 431
765933 Tellurium standard solution Te=1,000±0,002 g/l ICP ... 432
776002 Tellurium standard solution Te=10,00±0,02 g/l ICP ... 432
765934 Terbium standard solution Tb=1,000±0,002 g/l ICP ... 432
776003 Terbium standard solution Tb=10,00±0,02 g/l ICP ... 432
765931 Thallium standard solution Tl=1,000±0,002 g/l ICP ... 432
776000 Thallium standard solution Tl=10,00±0,02 g/l ICP ... 432
765935 Thorium standard solution Th=1,000±0,002 g/l ICP ... 432
776005 Thorium standard solution Th=10,00±0,02 g/l ICP ... 432
765936 Thullium standard solution Tm=1,000±0,002 g/l ICP ... 432
776006 Thullium standard solution Tm=10,00±0,02 g/l ICP ... 432
766047 Tin standard solution Sn=1,000±0,002 g/l ICP ... 432
775960 Tin standard solution Sn=10,00±0,02 g/l ICP ... 432
766057 Titanium standard solution Ti=1,000±0,002 g/l ICP ... 432
776004 Titanium standard solution Ti=10,00±0,02 g/l ICP ... 432
765937 Uranium standard solution U=1,000±0,002 g/l ICP ... 433
776007 Uranium standard solution U=10,00±0,02 g/l ICP ... 433
765938 Vanadium standard solution V=1,000±0,002 g/l ICP ... 433
776008 Vanadium standard solution V=10,00±0,02 g/l ICP ... 433
765939 Wolfram standard solution W=1,000±0,002 g/l ICP ... 433
776009 Wolfram standard solution W=10,00±0,02 g/l ICP ... 433
765914 Ytterbium standard solution Yb=1,000±0,002 g/l ICP ... 433
775971 Ytterbium standard solution Yb=10,00±0,02 g/l ICP ... 433
765915 Yttrium standard solution Y=1,000±0,002 g/l ICP ... 433
775972 Yttrium standard solution Y=10,00±0,02 g/l ICP ... 433
766058 Zinc standard solution Zn=1,000±0,002 g/l ICP ... 433
776010 Zinc standard solution Zn=10,00±0,02 g/l ICP ... 433
765940 Zirconium standard solution Zr=1,000±0,002 g/l ICP ... 433
776011 Zirconium standard solution Zr=10,00±0,02 g/l ICP ... 433
766336 Multielement standard solution 100 mg/l: Hf, Ir, Sb, Sn, Ta, Ti, Zr ICP ... 434
766334 Multielement standard solution 100 mg/l: As, Be, Cd, Cr, Pb, Hg, Ni, Se, Tl ICP ... 434
766335 Multielement standard solution 100 mg/l: As, Be, Ca, Cd, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn ICP ... 434
766333 Multielement standard solution 100 mg/l: Al, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, K, Li, Mg, Mn, Na, Ni, Pb, Se, Sr, Te, Tl, Zn ICP ... 434
766332 Multielement standard solution 1000 mg/l: Ag, Al, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, In, K, Li, Mg, Mn, Na, Ni, Pb, Sr, Tl, Zn ICP ... 434
786349 Zinc standard solution Zn=1,000±0,002 g/l IC ... 436

Standards dissolved in oil for ICP

766428 Barium standard dissolved in oil Ba=1000±5 mg/g ICP ... 434
766427 Calcium standard dissolved in oil Ca=1000±5 mg/g ICP ... 434
766429 Chromium standard dissolved in oil Cr=1000±5 mg/g ICP ... 434
766430 Cobalt standard dissolved in oil Co=1000±5 mg/g ICP ... 434
766431 Copper standard dissolved in oil Cu=1000±5 mg/g ICP ... 434
766433 Iron standard dissolved in oil Fe=1000±5 mg/g ICP ... 434
766434 Magnesium standard dissolved in oil Mg=1000±5 mg/g ICP ... 434
766436 Lead standard dissolved in oil Pb=1000±5 mg/g ICP ... 434
766435 Nickel standard dissolved in oil Ni=1000±5 mg/g ICP ... 434
766432 Phosphorus standard dissolved in oil P=1000±5 mg/g ICP ... 435
766437 Potassium standard dissolved in oil K=1000±5 mg/g ICP ... 435
766438 Sodium standard dissolved in oil Na=1000±5 mg/g ICP ... 435
766440 Sulphur standard dissolved in oil S=1000±5 mg/g ICP ... 435
766439 Zinc standard dissolved in oil Zn=1000±5 mg/g ICP ... 435

Standards for Ion Chromatography (IC)

784241 Ammonium standard solution NH_4=1,000±0,002 g/l IC ... 435
786347 Barium standard solution Ba=1,000±0,002 g/l IC ... 435
784239 Bromide standard solution Br=1,000±0,002 g/l IC ... 435
786345 Calcium standard solution Ca=1,000±0,002 g/l IC ... 435
784238 Chloride standard solution Cl=1,000±0,002 g/l IC ... 435
786326 Chromate standard solution CrO_4=1,000±0,002 g/l IC ... 435
786328 Fluoride standard solution F=1,000±0,002 g/l IC ... 435
786348 Lithium standard solution Li=1,000±0,002 g/l IC ... 435
786346 Magnesium standard solution Mg=1,000±0,002 g/l IC ... 435

786350 Manganese standard solution Mn=1,000±0,002 g/l IC ... 435
784237 Nitrate standard solution NO_3=1,000±0,002 g/l IC ... 435
786327 Nitrite standard solution NO_2=1,000±0,002 g/l IC ... 435
786325 Nitrogen standard solution N=1,000±0,002 g/l IC ... 435
784236 Phosphate standard solution PO_4=1,000±0,002 g/l IC ... 435
784242 Potassium standard solution K=1,000±0,002 g/l IC ... 436
784243 Sodium standard solution Na=1,000±0,002 g/l IC ... 436
786329 Sulphate standard solution SO_4=1,000±0,002 g/l IC ... 436
786351 Strontium standard solution Sr=1,000±0,002 g/l IC ... 436

VOLUMETRY

Volumetric Solutions

181011 Acetic Acid 0,1 mol/l (0,1N) SV ... 23
182118 Acetic Acid 0,5 mol/l (0,5N) SV ... 23
181009 Acetic Acid 1 mol/l (1N) SV ... 23
181132 Ammonia 1 mol/l (1N) SV ... 47
181369 Ammonium Iron(II) Sulphate 0,1 mol/l (0,1N) SV ... 54
185227 Ammonium Iron(II) Sulphate 0,12 mol/l (0,12N) SV ... 54
181367 Ammonium Iron(III) Sulphate 0,1 mol/l (0,1N) SV ... 55
181144 Ammonium Thiocyanate 0,1 mol/l (0,1N) SV ... 59
182126 Ammonium Thiocyanate 1 mol/l (1N) SV ... 59
181184 Barium Chloride 0,1 mol/l (0,1M) SV ... 68
182131 Barium Perchlorate 0,005 mol/l (0,005M) aqueous-alcoholic solution SV ... 69
183141 Benzethonium Chloride 0,004 mol/l (0,004M) SV ... 72
186228 Benzethonium Chloride 0,01 mol/l (0,01N) SV ... 72
182000 Bromine (Bromate-Bromide) 0,05 mol/l (0,1N) SV ... 83
182136 Cerium(IV) Sulphate 0,05 mol/l (0,05N) SV ... 119
181249 Cerium(IV) Sulphate 0,1 mol/l (0,1N) SV ... 119
181271 Copper(II) Sulphate 0,1 mol/l (0,1M) SV ... 137
181671 Ethylenediaminetetraacetic Acid Disodium Salt 0,01 mol/l (0,01M) SV ... 185
184489 Ethylenediaminetetraacetic Acid Disodium Salt 0,01785 mol/l (0,01785M) SV ... 185
182120 Ethylenediaminetetraacetic Acid Disodium Salt 0,05 mol/l (0,05M) SV ... 185
181670 Ethylenediaminetetraacetic Acid Disodium Salt 0,1 mol/l (0,1M) SV ... 185
182884 Hydrochloric Acid 0,01 mol/l (0,01N) SV ... 226
182107 Hydrochloric Acid 0,05 mol/l (0,05N) SV ... 226
181023 Hydrochloric Acid 0,1 mol/l (0,1N) SV ... 226
182318 Hydrochloric Acid 0,25 mol/l (0,25N) SV ... 226
185423 Hydrochloric Acid 0,310 mol/l (1,128% w/v) SV ... 226
183878 Hydrochloric Acid 0,3571 mol/l (N/2,8) SV ... 226
181022 Hydrochloric Acid 0,5 mol/l (0,5N) SV ... 226
181021 Hydrochloric Acid 1 mol/l (1N) SV ... 226
182108 Hydrochloric Acid 2 mol/l (2N) SV ... 226
182057 Hydrochloric Acid 3 mol/l (3N) SV ... 227
183879 Hydrochloric Acid 3,571 mol/l (3,571N) SV ... 227
182109 Hydrochloric Acid 5 mol/l (5N) SV ... 227
181969 Iodine 0,01 mol/l (0,02N) SV ... 237
182915 Iodine 0,02365 mol/l (0,0473N) ASTM D 1510 SV ... 237
182161 Iodine 0,025 mol/l (0,05N) SV ... 237
181772 Iodine 0,05 mol/l (0,1N) SV ... 237
182162 Iodine 0,5 mol/l (1N) SV ... 237
181405 Magnesium Sulphate 0,1 mol/l (0,1M) SV ... 265
182138 Mercury(II) Nitrate 0,005 mol/l (0,01N) SV ... 273
181425 Mercury(II) Nitrate 0,01 mol/l (0,02N) SV ... 273
181424 Mercury(II) Nitrate 0,05 mol/l (0,1N) SV ... 273
181040 Nitric Acid 0,1 mol/l (0,1N) SV ... 301
182111 Nitric Acid 0,5 mol/l (0,5N) SV ... 301
181039 Nitric Acid 1 mol/l (1N) SV ... 301
182112 Nitric Acid 2 mol/l (2N) SV ... 301
182123 Oxalic Acid 0,025 mol/l (0,05N) SV ... 307
181043 Oxalic Acid 0,05 mol/l (0,1N) SV ... 307
181042 Oxalic Acid 0,5 mol/l (1N) SV ... 307
181047 Perchloric Acid 0,1 mol/l (0,1N) in 1,4-dioxan SV ... 317
181046 Perchloric Acid 1 mol/l (0,1N) in acetic acid SV ... 317
185310 Perchloric Acid 1 mol/l (1N) SV ... 317
181488 Potassium Bromate 1/60 mol/l (0,1N) SV ... 336
182252 Potassium Chloride 1 mol/l (1N) SV ... 339
182251 Potassium Chloride 0,1 mol/l (0,1N) SV ... 339
185836 Potassium Dichromate 0,02 mol/l with 80 g/l of Mercury(II) Sulphate SV ... 342
184385 Potassium Dichromate 0,04 mol/l with 80 g/l of Mercury(II) Sulphate SV ... 342
181502 Potassium Dichromate 1/60 mol/l (0,1N) SV ... 342
182142 Potassium Dichromate 1/24 mol/l (0,25N) SV ... 342
181501 Potassium Dichromate 1/6 mol/l (1N) SV ... 342
181504 Potassium Hexacyanoferrate(III) 0,1 mol/l (0,1N) SV ... 344
181521 Potassium Hydroxide 0,1 mol/l (0,1N) SV ... 350
182146 Potassium Hydroxide 0,1 mol/l (0,1N) ethanolic SV ... 350
182147 Potassium Hydroxide 0,1 mol/l (0,1N) methanolic SV ... 350
183336 Potassium Hydroxide 0,1 mol/l (0,1N) in 2-propanol SV ... 350
183354 Potassium Hydroxide 0,23 mol/l (0,23N) SV ... 350
181518 Potassium Hydroxide 0,5 mol/l (0,5N) SV ... 350
181519 Potassium Hydroxide 0,5 mol/l (0,5N) ethanolic SV ... 351
181520 Potassium Hydroxide 0,5 mol/l (0,5N) methanolic SV ... 351
181517 Potassium Hydroxide 1 mol/l (1N) SV ... 351
184438 Potassium Hydroxide 1 mol/l (1N) ethanolic SV ... 351
182145 Potassium Hydroxide 2 mol/l (2N) SV ... 351
181541 Potassium Iodate 0,05 mol/l (0,3N) SV ... 352
182806 Potassium Iodate 1/60 mol/l (0,1N) SV ... 352
181544 Potassium Iodide 0,1 mol/l (0,1N) SV ... 353
182256 Potassium Iodide 1 mol/l (1N) SV ... 353
182114 Potassium Permanganate 0,01 mol/l (0,05N) SV ... 356
181529 Potassium Permanganate 0,02 mol/l (0,1N) SV ... 356
182651 Potassium Permanganate 0,1 mol/l (0,5N) SV ... 356
181528 Potassium Permanganate 0,2 mol/l (1N) SV ... 356
181535 Potassium Thiocyanate 0,1 mol/l (0,1N) SV ... 360
182564 Silver Nitrate 0,01 mol/l (0,01N) SV ... 378
181465 Silver Nitrate 0,02 mol/l (0,02N) SV ... 378
182115 Silver Nitrate 0,05 mol/l (0,05N) SV ... 378
181464 Silver Nitrate 0,1 mol/l (0,1N) SV ... 378
182116 Silver Nitrate 1 mol/l (1N) SV ... 378
183706 Sodium Acetate 0,1 mol/l (0,1N) in acetic acid SV ... 380
181152 Sodium meta-Arsenite 0,05 mol/l (0,1N) SV ... 381
181649 Sodium Carbonate 0,5 mol/l (1N) SV ... 386
181661 Sodium Chloride 0,1 mol/l (0,1N) SV ... 388
184770 Sodium Chloride 1 mol/l (1N) SV ... 388
182792 Sodium Dodecyl Sulphate 0,004 mol/l SV ... 392
183397 Sodium Hydroxide 0,02 mol/l (0,02N) SV ... 402
182296 Sodium Hydroxide 0,025 mol/l (0,025N) SV ... 402
181584 Sodium Hydroxide 0,04 mol/l (0,04N) SV ... 402
182153 Sodium Hydroxide 0,05 mol/l (0,05N) SV ... 402
181693 Sodium Hydroxide 0,1 mol/l (0,1N) SV ... 402
181694 Sodium Hydroxide 0,1 mol/l (0,1N) SV ... 402
182284 Sodium Hydroxide 0,1 mol/l (0,1N) ethanolic SV ... 402
183154 Sodium Hydroxide 0,111 mol/l (0,111N) according to Dornic SV ... 402
182971 Sodium Hydroxide 0,2 mol/l (0,2N) SV ... 402
182155 Sodium Hydroxide 0,25 mol/l (0,25N) SV ... 403
183337 Sodium Hydroxide 0,313 mol/l (0,313N) SV ... 403
182156 Sodium Hydroxide 0,3546 mol/l (N/2,82) SV ... 403
181692 Sodium Hydroxide 0,5 mol/l (0,5N) SV ... 403
181691 Sodium Hydroxide 1 mol/l (1N) SV ... 403
182415 Sodium Hydroxide 1 mol/l (1N) SV ... 403
182265 Sodium Hydroxide 1 mol/l (1N) ethanolic SV ... 403
182158 Sodium Hydroxide 2 mol/l (2N) SV ... 403
183466 Sodium Hydroxide 4 mol/l (4N) SV ... 403
182159 Sodium Hydroxide 5 mol/l (5N) SV ... 403
182292 Sodium Thiocyanate 0,1 mol/l (0,1N) SV ... 416
182577 Sodium Thiosulphate 0,01 mol/l (0,01N) SV ... 417
182914 Sodium Thiosulphate 0,0394 mol/l (0,0394N) ASTM D 1510 SV ... 417
182160 Sodium Thiosulphate 0,05 mol/l (0,05N) SV ... 417
181723 Sodium Thiosulphate 0,1 mol/l (0,1N) SV ... 417
183489 Sodium Thiosulphate 0,2 mol/l (0,2N) SV ... 417
181722 Sodium Thiosulphate 1 mol/l (1N) SV ... 417
182102 Sulphuric Acid 0,01 mol/l (0,02N) SV ... 445
182103 Sulphuric Acid 0,025 mol/l (0,05N) SV ... 445
181061 Sulphuric Acid 0,05 mol/l (0,1N) SV ... 445
182011 Sulphuric Acid 0,1 mol/l (0,2N) SV ... 446
183335 Sulphuric Acid 0,1275 mol/l (0,255N) SV ... 446
181060 Sulphuric Acid 0,25 mol/l (0,5N) SV ... 446
181059 Sulphuric Acid 0,5 mol/l (1N) SV ... 446
182105 Sulphuric Acid 1 mol/l (2N) SV ... 446
182106 Sulphuric Acid 2,5 mol/l (5N) SV ... 446
185314 Sulphuric Acid 4 mol/l (8N) SV ... 446
186364 Sulphuric Acid 5 mol/l (10N) SV ... 446
183669 Tetrabutylammonium Hydroxide 0,1 mol/l (0,1N) in 2-propanol/methanol (11:1) SV ... 450
185225 Tetrabutylammonium Hydroxide 0,1 mol/l (0,1N) in toluene/methanol (9:1) SV ... 450
182163 Zinc Sulphate 0,05 mol/l (0,05M) SV ... 489
181789 Zinc Sulphate 0,1 mol/l (0,1M) SV ... 489

Concentrated Volumetric Solutions

303116 Ammonium Thiocyanate 0,1 mol (7,612g NH_4SCN) to prepare 1l of 0,1N solution SVc ... 59
303118 Ethylenediaminetetraacetic Acid Disodium Salt 0,1 mol (37,224g $C_{10}H_{14}N_2Na_2O_8.2H_2O$) to prep.1l of 0,1M sol. SVc ... 185
303110 Hydrochloric Acid 0,1 mol (3,646g HCl) to prepare 1l of 0,1N solution SVc ... 226
303111 Hydrochloric Acid 0,5 mol (18,230g HCl) to prepare 1l of 0,5N solution SVc ... 226
303112 Hydrochloric Acid 1 mol (36,461g HCl) to prepare 1l of 1N solution SVc ... 226
303119 Iodine 0,05 mol (12,690g I_2) to prepare 1l of 0,1N solution SVc ... 237
303113 Oxalic Acid 0,05 mol (6,303g $C_2H_2O_4$) to prepare 1l of 0,1N solution SVc ... 307
303120 Potassium Dichromate 1/60 mol (4,903g $K_2Cr_2O_7$) to prepare 1l of 0,1N solution SVc ... 342
303121 Potassium Hydroxide 0,1 mol (5,611g KOH) to prepare 1l of 0,1N solution SVc ... 350
303122 Potassium Hydroxide 0,5 mol (28,054g KOH) to prepare 1l of 0,5N solution SVc ... 351
303123 Potassium Hydroxide 1 mol (56,109g KOH) to prepare 1l of 1N solution SVc ... 351
303124 Potassium Permanganate 0,02 mol (3,161g $KMnO_4$) to prepare 1l of 0,1N solution SVc ... 356
303117 Silver Nitrate 0,1 mol (16,987g $AgNO_3$) to prepare 1l of 0,1N solution SVc ... 378
303125 Sodium Hydroxide 0,1 mol (4,000g NaOH) to prepare 1l of 0,1N solution SVc ... 402
303126 Sodium Hydroxide 1 mol (40,00g NaOH) to prepare 1l of 1N solution SVc ... 403
303127 Sodium Thiosulphate 0,1 mol (24,818g $Na_2S_2O_3.5H_2O$) to prepare 1l of 0,1N solution SVc ... 417
303114 Sulphuric Acid 0,05 mol (4,904g H_2SO_4) to prepare 1l of 0,1N solution SVc ... 445
303115 Sulphuric Acid 0,5 mol (49,039g H_2SO_4) to prepare 1l of 1N solution SVc ... 446

Standards for Volumetric Analysis

241151 Arsenic(III) Oxide EQP-ACS ... 64
241014 Benzoic Acid EQP ... 73
241487 Potassium Bromate EQP-ACS-ISO ... 335
241494 Potassium Chloride EQP-ACS-ISO ... 338
241500 Potassium Dichromate (Reag. Ph. Eur.) EQP-ISO ... 341
242697 Potassium Hydrogen Diiodate EQP-ACS ... 345
241481 Potassium Hydrogen Phthalate EQP-ACS-ISO ... 347
241540 Potassium Iodate EQP-ACS-ISO ... 351
241459 Silver Nitrate EQP-ACS-ISO ... 377
241648 Sodium Carbonate anhydrous EQP-ACS-ISO ... 384
241659 Sodium Chloride EQP-ACS-ISO ... 386
241706 di-Sodium Oxalate EQP-ACS ... 408
241719 Sodium Tartrate 2-hydrate EQP-ACS ... 415
241940 Tris (Hydroxymethyl) Aminomethane EQP-ACS ... 472
241786 Zinc Oxide EQP-ACS ... 487

COMPLEXOMETRY

Indicators

122619 Alizarin-3-Methylamine-N,N-Diacetic Acid (Reag. Ph. Eur.) PA ... 37
121605 Alizarin Red S (C.I. 58005) PA ... 37
122370 Arsenazo III (Reag. USP) PA ... 64
122638 Bromopyrogallol Red PA ... 90
122053 Calcein PA ... 105
124537 Calcon (C.I. 15705) PA ... 112
123575 Calconcarboxylic Acid (Reag. Ph. Eur.) PA ... 113
131791 Dithizone (Reag. Ph. Eur.) PA-ACS ... 172
131439 Eriochrome Black T (C.I. 14645) PA-ACS ... 175
281440 Eriochrome Black T solution 1% RV ... 175
124253 Eriochromecyanine R (C.I. 43820) PA ... 175
121344 Hematoxylin (C.I. 75290) (Reag. USP) PA ... 210
131352 8-Hydroxyquinoline (Reag. Ph. Eur.) PA-ACS ... 234
285406 Indicator Buffer Tablets RV ... 235
131617 Methyl Red (C.I. 13020) PA-ACS ... 288
132618 Methylthymol Blue Sodium Salt PA-ACS ... 289
131436 Murexide (C.I. 56085) (Reag. Ph. Eur.) PA-ACS ... 292
281437 Murexide 1% in Sodium Chloride RV ... 292
133066 Naphthol Green B (C.I. 10020) PA-ACS ... 294
132637 Phthalein Purple PA-ACS ... 329
132071 4-(2-Pyridylazo) Resorcinol mono-Sodium Salt 1-hydrate (Reag. Ph. Eur.) PA-ACS ... 368
122643 Pyrocatechol Violet PA ... 369
122639 Pyrogallol Red PA ... 369
131668 Sodium Diethyldithiocarbamate 3-hydrate (Reag. Ph. Eur.) PA-ACS ... 390
12C071 SPADNS PA ... 420
132838 5-Sulphosalicylic Acid 2-hydrate (Reag. Ph. Eur.) PA-ACS ... 441
122470 Titan Yellow (C.I. 19540) PA ... 457
132617 Xylenol Orange Tetrasodium Salt PA-ACS ... 484

Reagents for Complexometry

131026 Ethylenediaminetetraacetic Acid PA-ACS ... 183
144559 Ethylenediaminetetraacetic Acid Calcium Disodium Salt (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 184
142091 Ethylenediaminetetraacetic Acid Dipotassium Salt 2-hydrate PRS ... 184
142093 Ethylenediaminetetraacetic Acid Dipotassium Magnesium Salt 2-hydrate PRS ... 184
131669 Ethylenediaminetetraacetic Acid Disodium Salt 2-hydrate (Reag. Ph. Eur.) PA-ACS ... 184
141952 Ethylenediaminetetraacetic Acid Tetrasodium Salt 4-hydrate PRS ... 185
144108 Ethylenediaminetetraacetic Acid Tripotassium Salt 2-hydrate PRS ... 185
132346 Nitrile tri-Acetic Acid (Reag. Ph. Eur.) PA-ACS ... 301
121750 Triethanolamine PA ... 468

Volumetric Solutions for Complexometry

181184 Barium Chloride 0,1 mol/l (0,1M) SV ... 68
182131 Barium Perchlorate 0,005 mol/l (0,005M) aqueous-alcoholic solution SV ... 69
281280 Complexon-Magnesium 0,1 mol/l RV ... 133
181271 Copper(II) Sulphate 0,1 mol/l (0,1M) SV ... 137
181671 Ethylenediaminetetraacetic Acid Disodium Salt 0,01 mol/l (0,01M) SV ... 185
184489 Ethylenediaminetetraacetic Acid Disodium Salt 0,01785 mol/l (0,01785M) SV ... 185
182120 Ethylenediaminetetraacetic Acid Disodium Salt 0,05 mol/l (0,05M) SV ... 185
181670 Ethylenediaminetetraacetic Acid Disodium Salt 0,1 mol/l (0,1M) SV ... 185
303118 Ethylenediaminetetraacetic Acid Disodium Salt 0,1 mol (37,224g $C_{10}H_{14}N_2Na_2O_8.2H_2O$) to prep.1l of 0,1M sol. SVc ... 185
181405 Magnesium Sulphate 0,1 mol/l (0,1M) SV ... 265
282298 Sodium Acetate 0,1 mol/l (0,1M) RV ... 380
281634 Sodium Acetate 1 mol/l (1M) RV ... 381
182163 Zinc Sulphate 0,05 mol/l (0,05M) SV ... 489
181789 Zinc Sulphate 0,1 mol/l (0,1M) SV ... 489

Buffer for Complexometry

281730 Buffer Solution pH 10 RV ... 91

INDICATORS

pH Indicators

121094 Alizarin (C.I. 58000) PA ... 36
121605 Alizarin Red S (C.I. 58005) PA ... 37
121105 Alizarin Yellow GG (C.I. 14025) PA ... 37
121106 Alizarin Yellow R (C.I. 14030) PA ... 37
122593 Bromochlorophenol Blue PA ... 86
131759 Bromocresol Green PA-ACS ... 86
121546 Bromocresol Purple PA ... 86
125027 Bromocresol Purple Sodium Salt PA ... 86
131165 Bromophenol Blue PA-ACS ... 90
122638 Bromopyrogallol Red PA ... 90
131167 Bromothymol Blue PA-ACS ... 90
121609 Chlorophenol Red PA ... 126
121272 Cochineal (C.I. 75470) PA ... 132
121611 Congo Red (C.I. 22120) PA ... 133
122644 o-Cresolphthalein PA ... 138
121548 m-Cresol Purple PA ... 138
121613 Cresol Red PA ... 138
124746 Curcumin (C.I. 75300) (Reag. Ph. Eur.) PA ... 139
121292 4-(Dimethylamino) Azobenzene (C.I. 11020) PA ... 163
121344 Hematoxylin (C.I. 75290) (Reag. USP) PA ... 210
121747 Litmus soluble PA ... 259
171747 Litmus soluble RE ... 259
121107 Metanil Yellow (C.I. 13065) PA ... 274
131431 Methyl Orange (C.I. 13025) PA-ACS ... 285
131617 Methyl Red (C.I. 13020) PA-ACS ... 288
133234 Methyl Red Sodium Salt (C.I. 13020) PA-ACS ... 288
132618 Methylthymol Blue Sodium Salt PA-ACS ... 289
121619 Neutral Red (C.I. 50040) PA ... 294
122031 4-Nitrophenol PA ... 303
131325 Phenolphthalein (Reag. Ph. Eur.) PA-ACS ... 322
131615 Phenol Red PA-ACS ... 323
133331 Phenol Red Sodium Salt PA-ACS ... 323
122849 Quinaldine Red PA ... 370
121591 Resazurin PA ... 370
121051 Rosolic Acid (C.I. 43800) PA ... 372
131173 Thymol Blue PA-ACS ... 455
131739 Thymolphthalein PA-ACS ... 455
122470 Titan Yellow (C.I. 19540) PA ... 457

pH Indicators in solution

281095 Alizarin solution 0,1% RV ... 36
281760 Bromocresol Green solution 0,04% RV ... 86
282861 Bromocresol Purple solution 0,025% RV ... 86
281547 Bromocresol Purple solution 0,04% RV ... 86
283357 Bromocresol Purple 0,2% tablets 0,1g RV ... 87
281166 Bromophenol Blue solution 0,04% RV ... 90
281168 Bromothymol Blue solution 0,04% RV ... 91
281614 Cresol Red solution 0,04% RV ... 138
282430 Indicator 4,4, Mixed (Methyl Red-Methylene Blue) RV ... 235

283303 Indicator 4,8, Mixed (Methyl Red-Bromocresol Green) RV ... 235
281748 Litmus stain RV ... 259
281433 Methyl Orange solution 0,04% RV ... 285
281432 Methyl Orange solution 0,1% RV ... 285
281618 Methyl Red solution 0,1% RV ... 288
281109 Methyl Yellow solution 0,5% RV ... 290
281620 Neutral Red solution 0,1% RV ... 295
281326 Phenolphthalein solution 0,2% RV ... 323
281327 Phenolphthalein solution 1% RV ... 323
281616 Phenol Red solution 0,02% RV ... 323
281370 Universal Indicator of pH, solution RV ... 327
281175 Thymol Blue solution 0,04% RV ... 455
281740 Thymolphthalein solution 0,1% RV ... 455

pH Indicators papers

524150 Universal Paper Reel pH 1-11 (gradation 1,0) ... 326
524151 Universal Paper Reel pH 1-14 (gradation 1,0/2,0) ... 326
524152 Special Paper Reel pH 5,5-9,0 (gradation 0,5) ... 326
524153 Special Paper Reel pH 3,8-5,8 (gradation 0,2/0,3) ... 326
524154 Special Paper Reel pH 0,5-5,5 (gradation 0,5) ... 326
524155 Special Paper Reel pH 9,0-13,0 (gradation 0,5) ... 326
524169 Tricolor Paper Reel pH 1-11 (gradation 1,0) ... 326
524156 Strips pH 3,8-5,5 (gradation 0,2/0,3) ... 326
524157 Strips pH 6,0-8,1 (gradation 0,3) ... 326
524158 Strips pH 2,8-4,6 (gradation 0,2/0,3) ... 326
524159 Strips pH 1-12 (gradation 1,0) ... 326
524160 Strips pH 5,2-6,8 (gradation 0,2/0,3) ... 326
524161 Strips pH 1,8-3,8 (gradation 0,2/0,3) ... 326
524162 Strips pH 7,2-8,8 (gradation 0,2/0,3) ... 326
524163 Strips pH 9,5-12,0 (gradation 0,5) ... 326
524164 Non bleeding sticks pH 0-14 (gradation 1,0) ... 326
524165 Non bleeding sticks pH 4,5-10,0 (gradation 0,5) ... 326
524166 Non bleeding sticks pH 3,6-6,1 (gradation 0,3/0,5) ... 327
524167 Non bleeding sticks pH 0,0-6,0 (gradation 0,5) ... 327
524168 Non bleeding sticks pH 7,0-14,0 (gradation 0,5) ... 327

Indicators for non aqueous titrations

131762 Crystal Violet (C.I. 42555) PA-ACS ... 138
281764 Crystal Violet solution 0,5% in acetic acid RV ... 139
122849 Quinaldine Red PA ... 370
123605 3',3",5',5"-Tetrabromophenolphthalein Ethyl Ester Potassium Salt PA ... 449

Redox Indicators

132056 2,6-Dichlorophenol Indophenol Sodium Salt 2-hydrate (Reag. Ph. Eur.) PA-ACS ... 155
131828 Diphenylamine (Reag. Ph. Eur.) PA-ACS ... 171
121828 Diphenylamine PA ... 171
123577 1,5-Diphenylcarbazide PA ... 172
283462 Ferroin solution 0,025 mol/l (0,025M) RV ... 190
131321 1,10-Phenanthroline 1-hydrate PA-ACS ... 321
122353 4-(Phenylamino) Benzenesulphonic Acid Barium Salt PA ... 324
132845 4-(Phenylamino) Benzenesulphonic Acid Sodium Salt PA-ACS ... 324

Adsorption Indicators

131165 Bromophenol Blue PA-ACS ... 90
131167 Bromothymol Blue PA-ACS ... 90
133606 2',7'-Dichlorofluorescein (Reag. Ph. Eur.) PA-ACS ... 152
131828 Diphenylamine (Reag. Ph. Eur.) PA-ACS ... 171
133577 1,5-Diphenylcarbazide (symmetrical) (Reag. Ph. Eur.) PA-ACS ... 171
132228 1,5-Diphenylcarbazone (contains diphenylcarbazide) (Reag. Ph. Eur.) PA-ACS ... 172
252782 Eosin Bluish (C.I. 45400) DC ... 174
131299 Eosin Yellowish (C.I. 45380) PA-ACS ... 175
121832 Fluorescein (C.I. 45350) PA ... 191
122389 Fluorescein Sodium (C.I. 45350) PA ... 191
122470 Titan Yellow (C.I. 19540) PA ... 457

Miscellaneous Indicators

281366 Alum Iron Ammonium saturated solution RV ... 41
124886 Amaranth (C.I. 16185) (Reag. USP) PA ... 41
124746 Curcumin (C.I. 75300) (Reag. Ph. Eur.) PA ... 139
122844 3,8-Diamino-5-Methyl-6-Phenylphenanthridinium Bromide (Reag. Ph. Eur.) PA ... 147
123376 Disulphine Blue (C.I. 42045) PA ... 172
123718 Ethyl Violet (C.I. 42600) PA ... 189
286330 Indicator, Mixed (Dimidium Bromide-Disulphine Blue) RV ... 235
282430 Indicator 4,4, Mixed (Methyl Red-Methylene Blue) RV ... 235
283303 Indicator 4,8, Mixed (Methyl Red-Bromocresol Green) RV ... 235
285406 Indicator Buffer Tablets RV ... 235
121814 Orange II (C.I. 15510) PA ... 306
281498 Potassium Chromate solution 5% w/v RV ... 340
281499 Potassium Chromate solution 10% w/v RV ... 340
121096 Starch from Potato soluble (Reag. USP, Ph. Eur.) PA ... 437
283146 Starch solution 1% RV ... 437

pH BUFFERS

Solutions

272580 Buffer Solution pH 1,00 ±0,02 (20°C) ST ... 92
272581 Buffer Solution pH 2,00 ±0,02 (20°C) ST ... 92
272537 Buffer Solution pH 3,00 ±0,02 (20°C) ST ... 92
272168 Buffer Solution pH 4,00 ±0,02 (20°C) ST ... 93
273616 Buffer Solution pH 4,00 ±0,02 (20°C) (red colour) ST ... 93
272582 Buffer Solution pH 5,00 ±0,02 (20°C) ST ... 93
272549 Buffer Solution pH 6,00 ±0,02 (20°C) ST ... 93
272170 Buffer Solution pH 7,00 ±0,02 (20°C) ST ... 93
273617 Buffer Solution pH 7,00 ±0,02 (20°C) (yellow colour) ST ... 93
273108 Buffer Solution pH 7,02 ±0,02 (20°C) ST ... 94
272583 Buffer Solution pH 8,00 ±0,02 (20°C) ST ... 94
272172 Buffer Solution pH 9,00 ±0,02 (20°C) ST ... 94
273107 Buffer Solution pH 9,23 ±0,02 (20°C) ST ... 94
272584 Buffer Solution pH 10,00 ±0,05 (20°C) ST ... 94
273618 Buffer Solution pH 10,00 ±0,05 (20°C) (blue colour) ST ... 94
272585 Buffer Solution pH 11,00 ±0,05 (20°C) ST ... 95
272586 Buffer Solution pH 12,00 ±0,05 (20°C) ST ... 95
272587 Buffer Solution pH 13,00 ±0,05 (20°C) ST ... 95
273301 Buffer Solution pH 7,40 ±0,02 (20°C) ST ... 95
273302 Buffer Solution pH 7,60 ±0,02 (20°C) ST ... 95

pH buffers in capsules

293164 pH Buffer 4,01 ±0,02 (25°C) (capsules) STc ... 91
293165 pH Buffer 7,00 ±0,02 (25°C) (capsules) STc ... 92
293166 pH Buffer 9,00 ±0,02 (25°C) (capsules) STc ... 92
293167 pH Buffer 10,00 ±0,02 (25°C) (capsules) STc ... 92

TISAB SOLUTIONS

275210 TISAB I (ASTM D 1179) for samples containing <0,1 ppm in Fe and/or Al ST ... 456
274765 TISAB II (STANDARD METHODS/AOAC) for samples containing <3 ppm in Fe and/or Al ST ... 457
273526 TISAB III Concentrated solution for samples containing <3 ppm in Fe and/or Al ST ... 457
273531 TISAB IV (ASTM D 1179) for samples containing <100 ppm in Fe and/or Al ST ... 457
275211 TISAB B (F.C.C.) in food analysis ST ... 457

AUXILIARY SOLUTIONS FOR pH-METRY

For pH Scales

171023 Hydrochloric Acid 0,1 mol/l (0,1N) RE ... 226
171694 Sodium Hydroxide 0,1 mol/l (0,1N) RE ... 402

For Electrodes

285316 Aluminium Sulphate 0,9 mol/l RV ... 40
285251 Diaphragms Cleaning Solution RV ... 148
285253 Electrode-Reactivating Solution RV ... 173
285250 Lithium Chloride 1 mol/l in ethanol RV ... 258
285249 Lithium Chloride 1 mol/l in glacial acetic acid RV ... 258
281495 Potassium Chloride saturated solution RV ... 339
282775 Potassium Chloride 3 mol/l RV ... 339
282923 Potassium Chloride 3 mol/l + Silver Chloride RV ... 339
285252 Protein Cleaning Solution RV ... 366

REDOX STANDARDS

395443 Redox Standard 220 mV (25°C) RS ... 436
395442 Redox Standard 468 mV (25°C) RS ... 436

REAGENTS FOR DETERMINATION OF COD IN WATER

131368 Ammonium Iron(II) Sulphate 6-hydrate (Reag. Ph. Eur.) PA-ISO ... 54
181369 Ammonium Iron(II) Sulphate 0,1 mol/l (0,1N) SV ... 54
185227 Ammonium Iron(II) Sulphate 0,12 mol/l (0,12N) SV ... 54
131362 Iron(II) Sulphate 7-hydrate PA-ACS ... 241
132166 Mercury(II) Sulphate PA-ACS ... 274
284289 Mercury(II) Sulphate sol. 200 g/l in diluted sulphuric acid RV ... 274
131032 ortho-Phosphoric Acid 85% PA-ACS-ISO ... 327
174290 Potassium Dichromate 0,02 mol/l (0,02M) RE ... 342
185836 Potassium Dichromate 0,02 mol/l with 80 g/l of Mercury(II) Sulphate SV ... 342
184385 Potassium Dichromate 0,04 mol/l with 80 g/l of Mercury(II) Sulphate SV ... 342
131801 Silver Sulphate PA-ACS ... 378
282922 Silver Sulphate solution 6,6 g/l in sulphuric acid RV ... 379
283098 Silver Sulphate solution 10 g/l in sulphuric acid RV ... 379
284291 Silver Sulphate solution 80 g/l in sulphuric acid RV ... 379
394642 COD Standard (50 ppm) RS ... 423
394547 COD Standard (150 ppm) RS ... 423
394640 COD Standard (500 ppm) RS ... 423
394546 COD Standard (1.000 ppm) RS ... 423
394641 COD Standard (3.000 ppm) RS ... 423
394545 COD Standard (7.000 ppm) RS ... 423
131058 Sulphuric Acid 96% PA-ISO ... 443
185314 Sulphuric Acid 4 mol/l (8N) SV ... 446

CERTIFIED REFERENCE MATERIALS

345411 Reference Standard for Olive Oil CRS ... 436
345268 Reference Standard for Oenology (Red Wine) CRS ... 437
345271 Reference Standard for Oenology (White Wine) CRS ... 437
345269 Standard for Oenology (Methanol and Higher Alcohols) CRS ... 437

SPECIAL REAGENTS

Reagents according to Karl Fischer

281574 Karl Fischer's Reagent Composite RV ... 248
282420 Karl Fischer's Reagent Solution A RV ... 248
282421 Karl Fischer's Reagent Solution B RV ... 248

Pyridine-free Karl Fischer reagents

285820 AQUAMETRIC Buffer RV ... 61
285813 AQUAMETRIC Composite 2RV ... 61
285812 AQUAMETRIC Composite 5 RV ... 61
285814 AQUAMETRIC Composite 5K RV ... 61
286181 AQUAMETRIC Coulomat A RV ... 61
286182 AQUAMETRIC Coulomat C RV ... 62
285817 AQUAMETRIC Solvent RV ... 62
285819 AQUAMETRIC Solvent CM RV ... 62
285818 AQUAMETRIC Solvent Oil RV ... 62
286154 AQUAMETRIC Solvent Oil B RV ... 62
285816 AQUAMETRIC Titrant 2 RV ... 62
285815 AQUAMETRIC Titrant 5 RV ... 62
285821 AQUAMETRIC Working Medium RV ... 62
281956 Formamide AQUAMETRIC KF dry RV ... 198

Auxiliaries to Karl Fischer Technique

171091 Methanol according to Karl Fischer RE ... 278
171457 Pyridine (max. 0,02% water) according to Karl Fischer RE ... 368

Water Hardness

171386 Hydrotimetric Liquor RE ... 231

ASTM Methods

124850 Bromine Index AMCS solution PA ... 83
125397 Bromine Index AMPS solution PA ... 83
172062 n-Heptane (ASTM) RE ... 211
172064 Isooctane (ASTM) RE ... 246
124860 Mixture TAN PA ... 290
124856 Mixture TBN PA ... 290
125396 Phenol-1,1,2,2-Tetrachloroethane 60:40 w/w PA ... 323
171659 Sodium Chloride ASTM B117-07 RE ... 387
175305 Sodium Chloride solution ASTM B117-07 RE ... 388
175506 Sodium Plumbite solution (Doctor solution) RE ... 411

Other Standardized Methods

173655 Concentrated solution for the sand equivalent determination RE ... 133

Ion Exchange Resins

125436 Cation Exchange Resin Strongly Acidic PA ... 118
175106 Ion Exchange Resin Strongly Acidic RE ... 239

Reagents for Determination of Biocides

175154 WSCP Kit RE ... 481
175166 WSCP Kit Refill RE ... 481

FOOD ANALYSIS

Vinikit: Analysis of Wines and Vinegars

624573 Alkaline Solution (Potassium Sodium Tartrate) 0,886 mol/l VINIKIT ... 37
624566 Bromothymol Blue solution 0,4% VINIKIT ... 91
625409 Calcium Hydroxide 2 mol/l (suspension) VINIKIT ... 110
625516 Calcium Indicator, tablets VINIKIT ... 110
624582 Cupric Solution 0,168 mol/l VINIKIT ... 139
625108 Eluent for Malo-Lactic Kit VINIKIT ... 173
624568 Fehling's A Reagent VINIKIT ... 190
624569 Fehling's B Reagent VINIKIT ... 190
621567 Folin-Ciocalteu's Reagent VINIKIT ... 196
621387 Gypsumetric Liquor VINIKIT ... 209
625567 Hydrochloric Acid 10 g/l VINIKIT ... 225
624574 Hydrochloric Acid-Water solution 50:50 VINIKIT ... 225
625513 Hydrogen Peroxide 10% w/v (~33 vol.) stabilized VINIKIT ... 230
622772 Hydrogen Peroxide 3% w/v (10 vol.) stabilized VINIKIT ... 230
624904 Hydrogen Peroxide 0,9% w/v (3 vol.) VINIKIT ... 230
624905 Indicator 4,4, Mixed (Methyl Red-Methylene Blue) VINIKIT ... 235
621969 Iodine 0,01 mol/l (0,02N) VINIKIT ... 238
624906 Iron standard solution Fe=0,100±0,002 g/l VINIKIT ... 239
625515 Iron standard solution Fe=0,125±0,005 g/l VINIKIT ... 239
624617 Iron standard solution Fe=0,200±0,002 g/l VINIKIT ... 239
625079 Malo-Lactic Kit VINIKIT ... 266
621327 Phenolphthalein solution 1% VINIKIT ... 323
621507 Potassium Hexacyanoferrate(II) solution 10% w/v VINIKIT ... 344
621517 Potassium Hydroxide 1 mol/l (1N) VINIKIT ... 351
624572 Potassium Iodide solution 30% w/v VINIKIT ... 353
625514 Potassium Thiocyanate solution 20% w/v VINIKIT ... 360
624575 Potassium Thiocyanate solution 5% w/v VINIKIT ... 360
624901 Rebelein's Kit VINIKIT ... 370
625388 di-Sodium tetra-Borate 10-hydrate solution 4,6% VINIKIT ... 383
621845 Sodium Hydroxide 0,01 mol/l VINIKIT ... 404
623397 Sodium Hydroxide 0,02 mol/l (0,02N) VINIKIT ... 404
624785 Sodium Hydroxide N/49 VINIKIT ... 404
621694 Sodium Hydroxide 0,1 mol/l (0,1N) VINIKIT ... 404
624835 Sodium Hydroxide 0,1332 mol/l (0,1332N) VINIKIT ... 404
624782 Sodium Hydroxide N/4,9 VINIKIT ... 404
622157 Sodium Hydroxide 0,4 mol/l (0,4N) VINIKIT ... 404
624836 Sodium Hydroxide 1,666 mol/l (1,666N) VINIKIT ... 404
624576 Sodium Thiosulphate 0,0551 mol/l (0,0551N) VINIKIT ... 417
623146 Starch solution 1% VINIKIT ... 437
624567 Starch solution 2% VINIKIT ... 437
621062 Sulphuric Acid solution 1/3 w/v VINIKIT ... 445
624570 Sulphuric Acid solution 16% v/v VINIKIT ... 445
625891 TISAB-ENOL for wine analysis (Dir. 2676/90) VINIKIT ... 457

Reference Standards for Wine Analysis

625435 Hydroalcoholic Solution 20% v/v VINIKIT ... 221
625434 Hydroalcoholic Solution 16% v/v VINIKIT ... 221
625339 Hydroalcoholic Solution 13,5% v/v VINIKIT ... 221
625338 Hydroalcoholic Solution 11% v/v VINIKIT ... 221
625337 Hydroalcoholic Solution 8,5% v/v VINIKIT ... 221
625484 Saccharose solutions pack (14,9% w/w, 19,4% w/w, 23,8% w/w) VINIKIT ... 372
624867 Saccharose solution 14,9% w/w VINIKIT ... 372
624868 Saccharose solution 19,4% w/w VINIKIT ... 373
625241 Saccharose solution 23,8% w/w VINIKIT ... 373
345268 Reference Standard for Oenology (Red Wine) CRS ... 437
345271 Reference Standard for Oenology (White Wine) CRS ... 437
345269 Standard for Oenology (Methanol and Higher Alcohols) CRS ... 437

Analysis of Olive Oil

281380 Acidimetric Liquor titrated RV ... 31
281381 Acidimetric Liquor titrated RV ... 31
355650 Silan-Sterol-1 CG ... 375
345411 Reference Standard for Olive Oil CRS ... 436

Analysis of Milk

281384 Acidimetric Liquor titrated RV ... 31
126352 Amido Black 10B Solution for the determination of protein content in milk PA ... 41
286236 Ammonia Fixative Solution 4% RV ... 47
283334 Ammonia Fixative Solution 1% RV ... 47
121140 Ammonium Sulphate PA ... 57
125715 Amyl Alcohol according to NF V 04-210 PA ... 59
176131 Aziziol RE ... 66
144747 2-Bromo-2-Nitro-1,3-Propanediol (BP) PRS-CODEX ... 89
182107 Hydrochloric Acid 0,05 mol/l (0,05N) SV ... 226
181023 Hydrochloric Acid 0,1 mol/l (0,1N) SV ... 226
121076 Hydrogen Peroxide 30% w/v (100 vol.) PA ... 230
173349 Kjeldahl Catalyst (Cu-TiO_2) tablets RE ... 249
121079 3-Methyl-1-Butanol according to Gerber PA ... 281
286195 Nitric Acid 4 mol/l (4N) RV ... 301
173609 Potassium Dichromate solution 10% RE ... 342
123246 Potassium Dichromate in tablets of 0,1g PA ... 342
131532 Potassium Sulphate (Reag. Ph. Eur.) PA-ACS-ISO ... 358
174602 Resazurin tablets of 0,25 g RE ... 371
131621 Saccharose PA-ACS ... 372
216241 Silicone antifoaming liquid (AQ) QP ... 376
181464 Silver Nitrate 0,1 mol/l (0,1N) SV ... 378
171220 Sodium Hydroxide solution 40% w/w RE ... 401
121593 Sodium Hydroxide solution 40% w/v PA ... 401
183154 Sodium Hydroxide 0,111 mol/l (0,111N) according to Dornic SV ... 402
121674 di-Sodium Phenyl Phosphate 2-hydrate PA ... 410
173163 Sulphuric Acid 98% RE ... 444

121010 Sulphuric Acid 90-91% acc. to Gerber PA ... 444
173253 Sulphuric Acid d(20)=1,522±0,005 according to Van Gulik RE ... 445
122049 L-Tryptophan PA ... 473
174748 Wide Spectrum Microtablets I RE ... 480
175387 Wide Spectrum Microtablets II RE ... 480

Analysis of Animal Feed

141005 Acetanilide PRS ... 20
283334 Ammonia Fixative Solution 1% RV ... 47
131015 Boric Acid PA-ACS-ISO ... 81
282928 Boric Acid solution 3% RV ... 81
282222 Boric Acid solution 4% RV ... 81
173355 Carrez's Reagent I RE ... 118
173356 Carrez's Reagent II RE ... 118
175055 Detergent Acid Solution RE ... 147
175054 Detergent Neutral Solution RE ... 147
132213 Hydriodic Acid 57% PA-ACS ... 220
173350 Kjeldahl Catalyst (Cu) (0,3% in $CuSO_4.5H_2O$) tablets RE ... 249
174428 Kjeldahl Catalyst (Cu) (6,25% in $CuSO_4.5H_2O$) tablets RE ... 249
175639 Kjeldahl Catalyst (Cu) (9% in $CuSO_4.5H_2O$) tablets RE ... 249
172429 Kjeldahl Catalyst (Cu-Se) powder RE ... 249
172926 Kjeldahl Catalyst (Cu-Se) (1,5% CuSO4.5H2O + 2% Se) tablets RE ... 249
173349 Kjeldahl Catalyst (Cu-TiO_2) tablets RE ... 249
173347 Kjeldahl Catalyst (Hg) tablets RE ... 249
173348 Kjeldahl Catalyst (Se) tablets RE ... 249
131426 Mercury(II) Oxide yellow (Reag. Ph. Eur.) PA-ACS ... 273
121170 Methylene Blue (C.I. 52015) PA ... 283
171581 Nessler's Reagent RE ... 294
174230 Nessler's Reagent A RE ... 294
174231 Nessler's Reagent B RE ... 294
141329 Phosphorus red PRS ... 328
183354 Potassium Hydroxide 0,23 mol/l (0,23N) SV ... 350
211628 Silicone antifoaming liquid (ORG) QP ... 376
131687 Sodium Hydroxide pellets PA-ACS-ISO ... 399
171220 Sodium Hydroxide solution 40% w/w RE ... 401
122666 Sodium Hydroxide solution 32% w/v PA ... 401
131721 Sodium Thiosulphate 5-hydrate PA-ACS ... 417
211058 Sulphuric Acid 96% QP ... 444
173163 Sulphuric Acid 98% RE ... 444
176191 Sulphuric Acid 0,13 mol/l (0,26N) RE ... 446
131074 Water PA-ACS ... 480

Other reagents for Food Analysis

281380 Acidimetric Liquor titrated RV ... 31
281381 Acidimetric Liquor titrated RV ... 31
175307 Buffer for Fungal Falling Number RE ... 91
281385 Empiric Liquor titrated RV ... 174
281298 Indicator Solvent RV ... 235
175570 Kjeldahl Catalyst (Cu-Se) (9% $CuSO_4.5H_2O$ + 0,9% Se) tablets RE ... 249
131467 Lead(II) Hydroxideacetate for sugar analysis according to Horne PA-ACS ... 253
125731 Lead(II) Hydroxideacetate solution according to AOAC for sugar analysis PA ... 253
174230 Nessler's Reagent A RE ... 294
174231 Nessler's Reagent B RE ... 294
175145 OXI-OLEO-TEST RE ... 308
175164 OXI-OLEO-TEST Refill RE ... 308
175630 Patent Blue V solution 0,5% w/v RE ... 311
175723 Patent Blue V solution 5% w/v RE ... 311
175208 Pepsin 1:10.000 NF RE ... 314
176415 Pepsin 1:10.000 NF Plus RE ... 314
176408 Liquid Pepsin RE ... 314
175631 Tartrazine solution 0,5 % w/v RE ... 449
286079 Zeleny's Reagent RV ... 485

REAGENTS AND PRODUCTS FOR CLINICAL DIAGNOSTIC

Reagents for clinical analysis

251008 Acetic Acid glacial DC ... 23
251550 Benedict's Reagent qualitative DC ... 70
251551 Benedict's Reagent quantitative DC ... 70
251820 Biuret's Reagent DC ... 80
251283 Creatinine DC ... 137
251560 Esbach's Reagent DC ... 175
251563 Fehling's A Reagent DC ... 190
251564 Fehling's B Reagent DC ... 190
253203 Fehling's Reagent Composite DC ... 190
251565 Folin's A Reagent cuprotartaric DC ... 196
251566 Folin's B Reagent phosphotungstic-molybdic DC ... 196
251567 Folin-Ciocalteu's Reagent DC ... 196
251568 Folin-Denis' Reagent DC ... 196
251193 Gum Benzoin tincture solution 1:10 DC ... 209
252908 Kovacs' Reagent DC ... 249
252138 Mercury(II) Nitrate 0,005 mol/l (0,01N) DC ... 273
251580 Millon's Reagent DC ... 290
251585 Pandy's Reagent DC ... 309
251049 Picric Acid saturated solution DC ... 330
251588 Schiff's Reagent DC ... 374
251589 Schlesinger's Reagent DC ... 374
251063 Sulphuric Acid 1/3 mol/l (2/3N) DC ... 445
252311 o-Toluidine solution 6% DC ... 461
252373 Trichloroacetic Acid solution 20% w/v DC ... 462
254833 Voges Proskauer A Reagent DC ... 478
254832 Voges Proskauer B Reagent DC ... 479

Reagents for Haematology

251337 Azur-Eosin-Methylene Blue dye according to Giemsa DC ... 66
251338 Azur-Eosin-Methylene Blue solution according to Giemsa (slow) DC ... 67
252317 Brij® 35 aqueous solution 30% w/v DC ... 82
252164 Buffer Solution pH 7,2 DC ... 95
252195 Copper(II) Sulphate solution d.1,050 DC ... 137
253296 Copper(II) Sulphate solution d.1,053 DC ... 137
253295 Copper(II) Sulphate solution d.1,055 DC ... 137
251377 Eosin-Methylene Blue dye according to Leishman DC ... 174
251378 Eosin-Methylene Blue solution according to Leishman DC ... 174
251415 Eosin-Methylene Blue dye according to May Grünwald DC ... 174
251416 Eosin-Methylene Blue solution according to May Grünwald DC ... 174
251767 Eosin-Methylene Blue dye according to Wright DC ... 174
251768 Eosin-Methylene Blue solution according to Wright DC ... 174
255486 Evans Blue (C.I. 23860) DC ... 189
251389 Hayem's Liquor DC ... 209
254807 Kit for Fast Staining in Haematology (Fast Panoptic) DC ... 248
251579 Meyer's Reagent DC ... 290
251355 Sodium Citrate solution 3,8% DC ... 389
251707 di-Sodium Oxalate 0,1 mol/l (0,1M) DC ... 408
251390 Türck's Liquor DC ... 474

Reagents for Microscopy

Dyes

252321 Acridine Orange (C.I. 46005) DC ... 31
254584 Alcian Blue 8 GX (C.I. 74240) DC ... 36
252036 Amido Black 10B (C.I. 20470) DC ... 41
253708 Aniline Blue WS (C.I. 42755) DC ... 60
251162 Auramine O (C.I. 41000) DC ... 66
251178 Azur II (C.I. 52010+52015) DC ... 66
255075 Azur B (C.I. 52010) DC ... 66
252419 Azur C (C.I. 52002) DC ... 66
253986 Biebrich Scarlet (C.I. 26905) DC ... 77
253934 Bismarck Brown R (C.I. 21010) DC ... 78
253935 Bismarck Brown Y (C.I. 21000) DC ... 78
253998 Blue for fast staining (Panoptic No. 3) DC ... 80
254367 Brilliant Blue FCF (C.I. 42090) DC ... 82
251169 Brilliant Cresyl Blue (C.I. 51010) DC ... 82
251758 Brilliant Green (C.I. 42040) DC ... 82
251165 Bromophenol Blue DC ... 90
251167 Bromothymol Blue DC ... 90
251824 Carmine (Lacquer of carminic acid with calcium and aluminium) (C.I. 75470) DC ... 117
254354 Carminic Acid (C.I. 75470) DC ... 117
251611 Congo Red (C.I. 22120) DC ... 133
254933 Coomassie Brilliant Blue G 250 (C.I. 42655) DC ... 133
254932 Coomassie Brilliant Blue R 250 (C.I. 42660) DC ... 133
251762 Crystal Violet (C.I. 42555) DC ... 138
252782 Eosin Bluish (C.I. 45400) DC ... 174
253999 Eosin for fast staining (Panoptic No. 2) DC ... 174
251299 Eosin Yellowish (C.I. 45380) DC ... 175
253982 Erythrosin B (C.I. 45430) DC ... 175
255486 Evans Blue (C.I. 23860) DC ... 189
255668 Fast Green FCF (C.I. 42053) DC ... 189
251331 Fuchsin Acid (C.I. 42685) DC ... 200
251332 Fuchsin Basic (C.I. 42510) DC ... 200
251765 Gentian Violet (C.I. 42535+42555) DC ... 202
251344 Hematoxylin (C.I. 75290) DC ... 210
251246 Indigo Carmine (C.I. 73015) DC ... 236
253987 Lissamine Green B (C.I. 44090) DC ... 256
251761 Malachite Oxalate Green (C.I. 42000) DC ... 265
251170 Methylene Blue (C.I. 52015) DC ... 283
251171 Methylene Blue Alkali DC ... 283
251704 Methyl Green (C.I. 42585) DC ... 284
252079 Methyl Violet (C.I. 42535) DC ... 290
251619 Neutral Red (C.I. 50040) DC ... 295
254419 Nigrosine water soluble (C.I. 50420) DC ... 297
254968 Nile Blue A Chloride (C.I. 51180) DC ... 297
251814 Orange II (C.I. 15510) DC ... 306
123596 Orange G (C.I. 16230) PA ... 306
251324 Orcein DC ... 306
255793 Osmium(VIII) Oxide solution 4% DC ... 307
254615 Pararosaniline base (C.I. 42500) DC ... 311
252081 Phloxine B (C.I. 45410) DC ... 327
253983 Ponceau S (C.I. 27195) DC ... 334
251591 Resazurin DC ... 371
255115 Reticulin Kit DC ... 371
251604 Rhodamine B (C.I. 45170) DC ... 371
251622 Safranine O (C.I. 50240) DC ... 373
251731 Sudan III (C.I. 26100) DC ... 440
251858 Sudan IV (C.I. 26105) DC ... 440
252069 Sudan Black B (C.I. 26150) DC ... 440
251734 Tartrazine (C.I. 19140) DC ... 449
251742 Thionin (C.I. 52000) DC ... 454
251176 Toluidine Blue O (C.I. 52040) DC ... 461
251177 Victoria Blue B (C.I. 44045) DC ... 478

Dyes in solution

252339 Brilliant Green aqueous solution 5% DC ... 82
255298 Carazzi's Hematoxylin solution DC ... 113
251917 Carnoy's Fixing DC ... 117
251763 Crystal Violet solution 2% DC ... 138
252532 Crystal Violet Oxalate solution according to Gram-Hucker DC ... 139
251301 Eosin Yellowish hydroalcoholic solution 1% DC ... 175
251333 Fuchsin Basic-Carbol solution according to Ziehl DC ... 200
251766 Gentian Violet Phenique DC ... 203
252974 Gill's Hematoxylin I solution DC ... 203
252998 Gill's Hematoxylin II solution DC ... 203
252999 Gill's Hematoxylin III solution DC ... 203
253949 Harris Hematoxylin solution DC ... 209
253453 Hematoxylin solution A according to Weigert DC ... 210
253454 Hematoxylin solution B according to Weigert DC ... 210
254884 Kit for Staining Gram-Hucker DC ... 248
251837 Lactophenol DC ... 250
253724 Lactophenol Blue solution DC ... 250
253524 Light Green solution 0,1% DC ... 255
251774 Lugol's Liquor DC ... 259
254766 Mayer's Hematoxylin solution DC ... 270
251172 Methylene Blue Phenicated DC ... 283
251618 Methyl Red solution 0,1% DC ... 288
251993 Orcein solution A hydroacetic-hydrochloric solution DC ... 306
251994 Orcein solution B hydroacetic solution DC ... 306
253594 Papanicolaou's Solution EA 50 DC ... 309
253892 Papanicolaou's Solution OG 6 DC ... 309
251623 Safranine O solution 0,2% DC ... 373
252531 Safranine O solution according to Gram-Hucker DC ... 373
252533 Safranine O solution 1% DC ... 373
253535 Toluidine Blue O solution 1% DC ... 461
253625 Van Gieson II solution DC ... 477

Reagents for Fixing

254102 Bouin Liquor DC ... 82
255281 Fixative Reagent DC ... 190
254101 Fixing for fast staining (Panoptic No. 1) DC ... 190
253500 Fixing B-5 DC ... 190
253572 Formaldehyde 30-36% w/v concentrated buffered to pH=7 stabilized with methanol DC ... 197
252931 Formaldehyde 3,7-4,0% buffered to pH=7 and stabilized with methanol DC ... 197
253857 Glutaraldehyde solution 25% DC ... 205
255805 Histofix® Substitute of Formaldehyde DC ... 219
254990 Zenker's Fixing DC ... 485

Mounting Media

251179 Canada Balsam DC ... 113
251001 Cedar Wood Oil DC ... 118
255254 DPX, mounting medium fast (toluene base) DC ... 173
256155 DPX, mounting medium slow DC ... 173
253681 Eukitt®, mounting medium DC ... 189
251336 Gelatine Gold DC ... 202
255598 Histofluid®, mounting medium DC ... 219
251002 Immersion Oil DC ... 235
254561 Immersion Oil purified DC ... 235
255811 Mounting Medium for substitutes of xylene DC ... 292

Paraffins for Histology

253209 Paraffin M.P. 51-53°C pellets DC ... 310
255803 Paraffin M.P. 52°C plasticized pellets DC ... 310
253211 Paraffin M.P. 56-58°C pellets DC ... 310
254667 Paraffin M.P. 56-58°C plasticized + DMSO pellets DC ... 310
252913 Paraffin M.P. 56-58°C plasticized pellets DC ... 310
PPXTRA Paraplast X-Tra®, Paraffin M.P. 52°C pellets ... 310
PPPLUS Paraplast Plus®, Paraffin M.P. 56°C + DMSO pellets ... 310
PPLAST Paraplast®, Paraffin M.P. 56-58°C pellets ... 310

Solvents for Histology

131007 Acetone (Reag. Ph. Eur.) PA-ACS-ISO ... 25
251803 Alcohol-Acetone 7:3 DC ... 36
251804 Alcohol-Hydrochloric 8:2 DC ... 36
131081 Benzyl Alcohol PA-ACS ... 75
131082 1-Butanol (Reag. Ph. Eur.) PA-ACS-ISO ... 96
253139 Citrosol (Substitute of Xylene) DC ... 130
131296 1,4-Dioxan stabilized with ~25 ppm of BHT (Reag. Ph. Eur.) PA-ACS-ISO ... 170
131086 Ethanol absolute PA-ACS-ISO ... 176
251086 Ethanol absolute DC ... 178
131085 Ethanol 96% v/v PA-ACS ... 178
251085 Ethanol 96% v/v DC ... 179
251084 Ethanol-Diethyl Ether 1:1 DC ... 180
255069 Isoparaffin H (Substitute of Xylene) DC ... 246
131091 Methanol (Reag. Ph. Eur.) PA-ACS-ISO ... 277
131903 2-Methyl-2-Propanol (Reag. Ph. Eur.) PA-ACS ... 287
131745 Toluene (Reag. Ph. Eur.) PA-ACS-ISO ... 459
256065 Vitrosec® 100 dehydrating solvent for pathological anatomy DC ... 478
256066 Vitrosec® 96 dehydrating solvent for pathological anatomy DC ... 478
256068 Vitrosec® 80 dehydrating solvent for pathological anatomy DC ... 478
256067 Vitrosec® 70 dehydrating solvent for pathological anatomy DC ... 478
251769 Xylene, mixture of isomers DC ... 482
135212 Xylene, mixture of isomers, low in ethylbenzene (max. 4%) PA-ACS-ISO ... 482

Decalcifiers for Histology

256239 Histofix® decalcifier 1 DC ... 218
256238 Histofix® decalcifier 2 DC ... 218
256237 Histofix® decalcifier 3 DC ... 218
256284 Histofix® marrow decalcifier DC ... 219

REAGENTS AND PRODUCTS FOR BIOCHEMISTRY

373309 Acrylamide PB ... 32
374113 Agarose Type I standard PB ... 34
374114 Agarose Type II EEO (-Mr): 0,09-0,13 PB ... 34
374115 Agarose Type III EEO (-Mr): 0,16-0,19 PB ... 34
374116 Agarose Type IV EEO (-Mr): 0,23-0,26 PB ... 34
374117 Agarose Type V EEO (-Mr): =0,3 PB ... 34
374799 Agarose Type VI low melting point of gel PB ... 34
374800 Agarose Type VII low melting point of gel PB ... 34
374801 Agarose Type VIII very low melting point of gel PB ... 34
374802 Agarose Type IX extra low melting point of gel PB ... 35
374798 Agarose Type BM V PB ... 35
374805 Agarose Type SD 4 PB ... 35
374804 Agarose Type SD 8 PB ... 35
374803 Agarose Type SD 12 PB ... 35
372043 L-Alanine PB ... 35
371126 Ammonium di-Hydrogen Phosphate PB ... 53
371136 di-Ammonium Oxalate 1-hydrate PB ... 56
375763 D(-)-Arabinose PB ... 63
375765 L(+)-Arabinose PB ... 63
373464 L-Arginine PB ... 63
374653 L-Arginine mono-Hydrochloride PB ... 64
372034 L-Aspartic Acid PB ... 65
376105 5-Bromo-4-Chloro-3-Indolyl-β-D-Galactopyranoside PB ... 85
376095 5-Bromo-6-Chloro-3-Indolyl-β-D-Glucuronide Cyclohexylammonium Salt PB ... 86
375301 Cacodylic Acid Sodium Salt 3-hydrate PB ... 102
371231 Calcium Nitrate 4-hydrate PB ... 110
375886 D(+)-Cellobiose PB ... 118
371274 Cholesterol PB ... 127
371283 Creatinine PB ... 137
375266 Cycloheximide PB ... 142
375503 D-Cycloserine PB ... 143
372055 L-Cysteine mono-Hydrochloride PB ... 144
373645 L-Cystine PB ... 144
375785 2-Deoxy-D-Galactose PB ... 145
375884 2-Deoxy-D-Glucose PB ... 145
375828 2-Deoxy-D-Ribose PB ... 145
372837 3,5-Dinitrosalicylic Acid PB ... 169
375786 D(-)-Erythrose 70% PB ... 175
372728 D(-)-Fructose PB ... 200
375887 D(+)-Fucose PB ... 200
375810 L(-)-Fucose PB ... 200

372173 D(+)-Galactose PB ... 202
372042 L-Glutamic Acid PB ... 204
371343 L-Glutamine PB ... 205
375791 L-Glutathione reduced PB ... 205
374947 Glycerol tri-Butyrate PB ... 207
374229 Guanidinium Chloride PB ... 209
372045 L-Histidine PB ... 217
372198 L-Histidine mono-Hydrochloride 1-hydrate PB ... 218
375494 1H-Indole-3-Butyric Acid PB ... 236
376152 3-Indoxyl-β-D-Glucopyranoside anhydrous PB ... 236
372880 L-Isoleucine PB ... 244
372046 L-Leucine PB ... 255
372051 DL-Malic Acid PB ... 266
373195 D(+)-Mannose PB ... 269
376104 4-Methylumbelliferyl-β-D-Glucuronide 3-hydrate PB ... 289
375545 Nalidixic Acid PB ... 293
374948 Oxytetracycline Hydrochloride PB ... 308
372047 L-Phenylalanine PB ... 324
376287 Polyanetholesulphonic Acid Sodium Salt PB ... 331
374952 Polymyxin B Sulphate PB ... 332
373646 L-Proline PB ... 360
375885 D(+)-Raffinose 5-hydrate PB ... 370
375766 L(+)-Rhamnose 1-hydrate PB ... 371
372074 D(-)-Ribose PB ... 372
373677 D(-)-Salicin PB ... 373
373059 Sodium Alginate PB ... 381
372363 Sodium Dodecyl Sulphate PB ... 391
372383 Sodium Pyruvate PB ... 412
373064 D(-)-Sorbite PB ... 420
372078 D(+)-Trehalose 2-hydrate PB ... 461
373317 Trifluoroacetic Acid PB ... 469
374950 2,3,5-Triphenyl-2H-Tetrazolium Chloride PB ... 471
373654 Tris (Hydroxymethyl) Aminomethane Hydrochloride PB ... 472
372049 L-Tryptophan PB ... 473

Biological Buffers

375505 N-(2-Acetamido) 2-Aminoethanesulphonic Acid PB ... 20
376136 N,N-Bis (2-Hydroxyethyl) Glycine PB ... 78
376137 2,2-Bis (Hydroxyethyl)-Imino tris (Hydroxymethyl) Methane PB ... 78
376140 2-Cyclohexylaminoethanosulphonic Acid PB ... 142
376139 3-(Cyclohexylamino) 2-Hydroxy-1-Propanesulphonic Acid PB ... 142
376138 3-Cyclohexylaminopropanesulphonic Acid PB ... 142
376142 Glycylglycine PB ... 208
375229 2-[4(2-Hydroxyethyl)-1-Piperazinyl] Ethanesulphonic Acid PB ... 232
376141 3-[4(2-Hydroxyethyl)-1-Piperazinyl] Propanesulphonic Acid PB ... 232
376143 2-Hydroxy-3-[4(2-Hydroxyethyl)-1-Piperazinyl] Propanesulphonic Acid 1-hydrate PB ... 232
376145 2-Hydroxy-3-Morpholinopropanesulphonic Acid PB ... 233
376147 2-Hydroxy-N-[Tris (Hydroxymethyl) Methyl] 3-Aminopropanesulphonic Acid PB ... 234
376021 2-Morpholinoethanesulphonic Acid 1-hydrate PB ... 292
375230 3-Morpholinopropanesulphonic Acid PB ... 292
375228 Piperazine-1,4-Bis (2-Ethanesulphonic) Acid PB ... 331
376148 N-[Tris (Hydroxymethyl) Methyl] 2-Aminoethanesulphonic Acid PB ... 473
376146 N-[Tris (Hydroxymethyl) Methyl] 3-Aminopropanesulphonic Acid PB ... 473
376149 N-[Tris (Hydroxymethyl) Methyl] Glycine PB ... 473

DNA AND PEPTIDE SYNTHESIS

731881 Acetonitrile BS ... 29
731254 Dichloromethane stabilized with amylene BS ... 153
731785 N,N-Dimethylformamide BS ... 165
73A837 N-Ethyl Di-Isopropylamine BS ... 183
731091 Methanol BS ... 278
733080 1-Methyl-2-Pyrrolidone BS ... 288
732377 Piperidine BS ... 331

PRODUCTS FOR ELECTROPHORESIS

373309 Acrylamide PB ... 32
374113 Agarose Type I standard PB ... 34
374114 Agarose Type II EEO (-Mr): 0,09-0,13 PB ... 34
374115 Agarose Type III EEO (-Mr): 0,16-0,19 PB ... 34
374116 Agarose Type IV EEO (-Mr): 0,23-0,26 PB ... 34
374117 Agarose Type V EEO (-Mr): =0,3 PB ... 34
374799 Agarose Type VI low melting point of gel PB ... 34
374800 Agarose Type VII low melting point of gel PB ... 34
374801 Agarose Type VIII very low melting point of gel PB ... 34
374802 Agarose Type IX extra low melting point of gel PB ... 35
374798 Agarose Type BM V PB ... 35
374805 Agarose Type SD 4 PB ... 35
374804 Agarose Type SD 8 PB ... 35
374803 Agarose Type SD 12 PB ... 35
252036 Amido Black 10B (C.I. 20470) DC ... 41
254933 Coomassie Brilliant Blue G 250 (C.I. 42655) DC ... 133
254932 Coomassie Brilliant Blue R 250 (C.I. 42660) DC ... 133
253983 Ponceau S (C.I. 27195) DC ... 334

ELECTRONIC GRADE PRODUCTS

871007 Acetone (VLSI) EG ... 24
861007 Acetone (MOS) EG ... 24
871202 n-Butyl Acetate (VLSI) EG ... 99
875599 Hexamethyldisilazane (VLSI) EG ... 213
871020 Hydrochloric Acid 37% (VLSI) EG ... 222
861020 Hydrochloric Acid 37% (MOS) EG ... 222
876324 Hydrofluoric Acid 50% (VLSI) EG ... 227
866324 Hydrofluoric Acid 50% (MOS) EG ... 227
876323 Hydrogen Peroxide 30% w/w (VLSI) EG ... 229
866323 Hydrogen Peroxide 30% w/w (MOS) EG ... 229
873080 1-Methyl-2-Pyrrolidone (VLSI) EG ... 287
871037 Nitric Acid 69% (VLSI) EG ... 299
861037 Nitric Acid 69% (MOS) EG ... 299
871090 2-Propanol (VLSI) EG ... 362
871058 Sulphuric Acid 96% (VLSI) EG ... 443
861058 Sulphuric Acid 96% (MOS) EG ... 443

PHARMACOPOEIA GRADE PRODUCTS

141008 Acetic Acid glacial (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 22
141007 Acetone (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 26
145655 Acetylcholine Chloride (USP) PRS-CODEX ... 30
141012 Acetylsalicylic Acid (RFE, BP, Ph. Eur.) PRS-CODEX ... 30
142342 Adipic Acid (USP, BP, Ph. Eur.) PRS-CODEX ... 32
141792 Agar (USP) PRS-CODEX ... 33
142043 L-Alanine (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 36
191959 Alkylbenzyldimethylammonium Chloride (USP) CODEX ... 37
145265 Allantoin (BP, Ph. Eur.) PRS-CODEX ... 38
141102 Aluminium Ammonium Sulphate 12-hydrate (USP) PRS-CODEX ... 38
141097 Aluminium Chloride 6-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 39
141103 Aluminium Potassium Sulphate 12-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 40
191101 Aluminium Sulphate 18-hydrate (RFE, BP, Ph. Eur.) CODEX ... 40
14B764 6-Aminohexanoic Acid (USP, BP, Ph. Eur.) PRS-CODEX ... 42
141130 Ammonia 30% (as NH3) (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 44
141129 Ammonia 25% (as NH3) (BP, Ph. Eur.) PRS-CODEX ... 45
141118 Ammonium Bromide (BP, Ph. Eur.) PRS-CODEX ... 48
141119 Ammonium Carbonate (USP-NF) PRS-CODEX ... 49
141121 Ammonium Chloride (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 50
141116 Ammonium Hydrogen Carbonate (RFE, BP, Ph. Eur.) PRS-CODEX ... 51
141127 di-Ammonium Hydrogen Phosphate (USP) PRS-CODEX ... 52
142912 Ammonium Iron(III) Citrate brown (USP, DAC) PRS-CODEX ... 54
141134 Ammonium Molybdate 4-hydrate (USP) PRS-CODEX ... 55
143464 L-Arginine (USP, BP, Ph. Eur.) PRS-CODEX ... 63
144653 L-Arginine mono-Hydrochloride (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 64
141013 L(+)-Ascorbic Acid (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 65
142034 L-Aspartic Acid (RFE, BP, Ph. Eur.) PRS-CODEX ... 65
142465 Barium Sulphate for radiology (RFE, BP, Ph. Eur.) PRS-CODEX ... 70
143083 Benzethonium Chloride (USP, BP, Ph. Eur.) PRS-CODEX ... 72
141014 Benzoic Acid (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 73
142357 Benzoyl Peroxide humidified with ~25% of H_2O (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 75
141081 Benzyl Alcohol (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 76
144720 Benzyl Benzoate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 76
143977 D(+)-Biotin (USP) PRS-CODEX ... 77
141195 Bismuth(III) Hydroxide Carbonate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 78
141197 Bismuth(III) Hydroxide Nitrate (USP, DAB) PRS-CODEX ... 79
141015 Boric Acid (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 81
141201 Bromoform stabilized with ethanol (Ph. Fr.) PRS-CODEX ... 88
144747 2-Bromo-2-Nitro-1,3-Propanediol (BP) PRS-CODEX ... 89
141082 1-Butanol (USP-NF) PRS-CODEX ... 96
144233 2-tert-Butyl-4-Methoxyphenol (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 100
142833 Caffeine anhydrous (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 105
141211 Calcium Acetate x-hydrate (USP) PRS-CODEX ... 105
141212 Calcium Carbonate precipitated (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 107
191232 Calcium Chloride 2-hydrate powder (RFE, USP, BP, Ph. Eur.) CODEX ... 108
141227 Calcium Hydrogen Phosphate anhydrous (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 109
141226 Calcium Hydrogen Phosphate 2-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 109
142400 Calcium Hydroxide, powder (RFE, USP, BP, Ph. Eur., JP) PRS-CODEX ... 110
141230 Calcium Lactate 5-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 110
141228 tri-Calcium Phosphate (RFE, BP, Ph. Eur.) PRS-CODEX ... 111
141818 Calcium Stearate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 112
141235 Calcium Sulphate 2-hydrate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 112
146308 DL-Camphor natural (BP, Ph. Eur.) PRS-CODEX ... 113
142652 DL-Camphor synthetic (USP) PRS-CODEX ... 113
141245 Carbon Tetrachloride (E.U.) PRS ... 116
142416 Carboxymethylcellulose Sodium Salt low viscosity (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 116
144441 Carboxymethylcellulose Sodium Salt medium viscosity (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 117
143922 Carboxymethylcellulose Sodium Salt high viscosity (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 117
144564 Castor Oil (RFE, BP, Ph. Eur., DAB) PRS-CODEX ... 118
142542 Cetrimide (RFE, BP, Ph. Eur.) PRS-CODEX ... 119
143143 Cetyl Alcohol (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 119
141975 Chloral Hydrate (RFE, BP, Ph. Eur.) PRS-CODEX ... 121
142323 Chloramine T 3-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX ... 121
143481 Chloramphenicol (RFE, BP, Ph. Eur.) PRS-CODEX ... 121
145226 4-Chloro-3-Methylphenol (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 125
141808 Citric Acid anhydrous (RFE, USP, BP, Ph. Eur., JP) PRS-CODEX ... 129
141018 Citric Acid 1-hydrate (RFE, USP, BP, Ph. Eur., JP) PRS-CODEX ... 130
141278 Collodion solution 4% w/v (USP) PRS-CODEX ... 132
142083 Colophony (BP, Ph. Eur.) PRS-CODEX ... 132
141264 Copper(II) Chloride 2-hydrate (USP) PRS-CODEX ... 134
142726 Copper(II) Sulphate anhydrous (RFE, BP, Ph. Eur.) PRS-CODEX ... 136
141270 Copper(II) Sulphate 5-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX ... 136
142825 2,6-Di-tert-Butyl-4-Methylphenol (RFE, BP, Ph. Eur.) PRS-CODEX ... 148
191937 Di-n-Butyl Phthalate (RFE, BP, Ph. Eur., JP) CODEX ... 149
141254 Dichloromethane stabilized with amylene (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 153
141025 5,5-Diethylbarbituric Acid (RFE, BP, Ph. Eur.) PRS-CODEX ... 156
192770 Diethyl Ether anaesthetic stabilized with ~6 ppm of BHT (RFE, BP, Ph. Eur.) CODEX ... 158
143145 N,N-Dimethylacetamide (BP, Ph. Eur.) PRS-CODEX ... 162
191954 Dimethyl Sulphoxide (RFE, USP, BP, Ph. Eur.) CODEX ... 168
191086 Ethanol absolute (USP, BP, Ph. Eur.) CODEX ... 177
141085 Ethanol 96% v/v (USP, BP, Ph. Eur.) PRS-CODEX ... 179
192695 Ethanol 70% v/v (BP) CODEX ... 180
191318 Ethyl Acetate (RFE, BP, Ph. Eur., DAB) CODEX ... 182
141026 Ethylenediaminetetraacetic Acid (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 183
144559 Ethylenediaminetetraacetic Acid Calcium Disodium Salt (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 184
141669 Ethylenediaminetetraacetic Acid Disodium Salt 2-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 184
143886 2-[(Ethylmercury)Thio] Benzoic Acid Sodium Salt (USP, BP, Ph. Eur.) PRS-CODEX ... 188
142085 Eucalyptol (USP) PRS-CODEX ... 189
14B216 Folic Acid (USP, BP, Ph. Eur.) PRS-CODEX ... 196
141328 Formaldehyde 37-38% w/w stabilized with methanol (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 197
142728 D(-)-Fructose (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 200
142344 Fumaric Acid (USP-NF) PRS-CODEX ... 201
142060 Gelatine 80-100 Blooms (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 202
191403 Gentian Violet hydroalcoholic solution 1% (C.I. 42555) (USP) CODEX ... 203
141341 D(+)-Glucose anhydrous (RFE, USP, BP, Ph. Eur., DAB) PRS-CODEX ... 204
143140 D(+)-Glucose 1-hydrate (RFE, USP, BP, Ph. Eur., DAB) PRS-CODEX ... 204
142042 L-Glutamic Acid (RFE, BP, Ph. Eur.) PRS-CODEX ... 204
141343 L-Glutamine (USP) PRS-CODEX ... 205
141339 Glycerol (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 206
142329 Glycerol 87% (RFE, BP, Ph. Eur.) PRS-CODEX ... 207
141922 Glycerol tri-Acetate (USP, BP, Ph. Eur.) PRS-CODEX ... 207
141340 Glycine (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 208
142045 L-Histidine (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 218
142198 L-Histidine mono-Hydrochloride 1-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX ... 218
141020 Hydrochloric Acid 37% (RFE, BP, Ph. Eur.) PRS-CODEX ... 223
141077 Hydrogen Peroxide 33% w/v (110 vol.) stabilized (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 229
142660 Hydrogen Peroxide 6% w/v (20 vol.) stabilized (BP) PRS-CODEX ... 230
141351 Hydroquinone (USP) PRS-CODEX ... 231
141771 Iodine resublimed pearls (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 237
191931 Iodine solution ~7% in ethanol 85% (USP) CODEX ... 237
191932 Iodine solution ~2% in ethanol 50% (USP) CODEX ... 237
142880 L-Isoleucine (USP, BP, Ph. Eur.) PRS-CODEX ... 244
141034 L(+)-Lactic Acid (RFE, BP, Ph. Eur.) PRS-CODEX ... 250
141375 Lactose 1-hydrate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 251
141475 Lead(II) Oxide (DAC) PRS-CODEX ... 254
142046 L-Leucine (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 255
146257 Light liquid Paraffin (USP, BP, Ph. Eur.) PRS-CODEX ... 255
141928 Lithium Hydroxide 1-hydrate (USP) PRS-CODEX ... 258
144764 L-Lysine mono-Hydrochloride (USP, BP, Ph. Eur.) PRS-CODEX ... 259
191394 Magnesium Acetate 4-hydrate (BP, Ph. Eur.) CODEX ... 261
141396 Magnesium Chloride 6-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX ... 261
191396 Magnesium Chloride 6-hydrate (RFE, USP, BP, Ph. Eur., DAB) CODEX ... 261
141840 Magnesium Hydroxide (RFE, BP, Ph. Eur.) PRS-CODEX ... 262
141276 Magnesium Oxide light (RFE, BP, Ph. Eur.) PRS-CODEX ... 263
142029 Magnesium Stearate (RFE, BP, Ph. Eur.) PRS-CODEX ... 264
141404 Magnesium Sulphate 7-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 264
141673 Magnesium Sulphate 65% dry, powder (BP) PRS-CODEX ... 265
141796 Magnesium Trisilicate x-hydrate (USP) PRS-CODEX ... 265
141882 Maleic Acid (RFE, BP, Ph. Eur.) PRS-CODEX ... 265
142051 DL-Malic Acid (USP-NF) PRS-CODEX ... 266
191410 Manganese(II) Chloride 4-hydrate (USP) CODEX ... 267
141413 Manganese(II) Sulphate 1-hydrate (USP, BP, Ph. Eur.) PRS-CODEX ... 269
142067 D(-)-Mannitol (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 269
142961 L(-)-Menthol (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 270
141091 Methanol (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 277
145827 DL-Methionine (BP, Ph. Eur.) PRS-CODEX ... 278
142882 L-Methionine (USP, BP, Ph. Eur.) PRS-CODEX ... 278
143332 Methyl 4-Hydroxybenzoate (RFE, USP-NF, BP, Ph. Eur., JP) PRS-CODEX ... 284
141348 2-Methyl-2,4-Pentanediol (USP-NF) PRS-CODEX ... 285
141430 4-Methyl-2-Pentanone (USP-NF) PRS-CODEX ... 286
143080 1-Methyl-2-Pyrrolidone (BP, Ph. Eur.) PRS-CODEX ... 288
142963 Methyl Salicylate synthetic (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 289
143389 Nicotinic Acid (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 297
141037 Nitric Acid 69% (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 299
142786 Octanoic Acid (RFE, BP, Ph. Eur.) PRS-CODEX ... 305
142659 Oleic Acid (USP) PRS-CODEX ... 306
143209 Paraffin M.P. 51-53°C pellets (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 309
141451 Paraformaldehyde (DAC) PRS-CODEX ... 310
144852 Phenol crystallized (detached crystals) (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 322
141323 Phenol 90% aqueous solution (USP) PRS-CODEX ... 322
141325 Phenolphthalein (BP, Ph. Eur.) PRS-CODEX ... 323
142047 L-Phenylalanine (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 324
142358 Phenylmercury Acetate (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 325
145518 Phenylmercury Nitrate (basic) (RFE, BP, Ph. Eur.) PRS-CODEX ... 326
141032 ortho-Phosphoric Acid 85% (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 327
142436 Polyethylene Glycol 400 (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 332

142438 Polyethylene Glycol 4000 flakes (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 332
146076 Polysorbate 20 (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 333
146158 Polysorbate 40 (USP, BP, Ph. Eur.) PRS-CODEX ... 333
146159 Polysorbate 60 (USP, BP, Ph. Eur.) PRS-CODEX ... 333
146075 Polysorbate 80 (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 334
141489 Potassium Bromide (RFE, BP, Ph. Eur.) PRS-CODEX ... 337
191490 Potassium Carbonate (USP, BP, Ph. Eur.) CODEX ... 337
141493 Potassium Chlorate (Ph. Helv.) PRS-CODEX ... 338
191494 Potassium Chloride (RFE, USP, BP, Ph. Eur.) CODEX ... 339
141492 tri-Potassium Citrate 1-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 340
141522 Potassium Disulphite (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 343
141480 Potassium Hydrogen Carbonate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 345
141512 di-Potassium Hydrogen Phosphate anhydrous (RFE, BP, Ph. Eur.) PRS-CODEX ... 346
141509 Potassium di-Hydrogen Phosphate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 347
141515 Potassium Hydroxide 85% pellets (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 349
141542 Potassium Iodide (RFE, USP, BP, Ph. Eur., DAB) PRS-CODEX ... 353
141524 Potassium Nitrate without anticaking (RFE, BP, Ph. Eur.) PRS-CODEX ... 353
141856 Potassium Perchlorate (DAC) PRS-CODEX ... 355
141527 Potassium Permanganate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 356
141729 Potassium Sodium Tartrate 4-hydrate (USP) PRS-CODEX ... 358
141531 Potassium Sorbate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 358
143646 L-Proline (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 360
141545 1,2-Propanediol (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 361
141885 1-Propanol (BP, Ph. Eur.) PRS-CODEX ... 362
141090 2-Propanol (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 364
141962 Propyl Gallate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 366
141603 Resorcinol (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 371
141621 Saccharose (RFE, USP-NF, BP, Ph. Eur., DAB, JP) PRS-CODEX ... 372
141624 Salicylamide (USP) PRS-CODEX ... 373
141045 Salicylic Acid (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 373
14B099 L-Serine (USP, BP, Ph. Eur.) PRS-CODEX ... 375
142475 Siliceous Earth purified and calcined (USP-NF) PRS-CODEX ... 376
141459 Silver Nitrate (RFE, BP, Ph. Eur.) PRS-CODEX ... 377
141633 Sodium Acetate anhydrous (USP) PRS-CODEX ... 380
141632 Sodium Acetate 3-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 380
143865 Sodium L(+)-Ascorbate (USP) PRS-CODEX ... 381
141637 Sodium Benzoate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 382
141644 di-Sodium tetra-Borate 10-hydrate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 383
141646 Sodium Bromide (RFE, BP, Ph. Eur.) PRS-CODEX ... 384
141648 Sodium Carbonate anhydrous (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 385
142032 Sodium Carbonate 1-hydrate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 385
141659 Sodium Chloride (RFE, USP, BP, Ph. Eur., JP) PRS-CODEX ... 387
141655 tri-Sodium Citrate 2-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 389
141667 Sodium 5,5-Diethylbarbiturate (Ph. Helv.) PRS-CODEX ... 390
141698 Sodium Disulphite (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 391
142363 Sodium Dodecyl Sulphate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 392
141675 Sodium Fluoride (USP) PRS-CODEX ... 392
143289 Sodium Formaldehyde Sulphoxylate x-hydrate (USP-NF) PRS-CODEX ... 392
142983 Sodium D-Gluconate (USP) PRS-CODEX ... 393
141683 Sodium L-Glutamate 1-hydrate (USP) PRS-CODEX ... 393
141638 Sodium Hydrogen Carbonate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 394
141679 di-Sodium Hydrogen Phosphate anhydrous (USP, BP, Ph. Eur.) PRS-CODEX ... 396
142507 di-Sodium Hydrogen Phosphate 2-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX ... 396
141678 di-Sodium Hydrogen Phosphate 12-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 397
141965 Sodium di-Hydrogen Phosphate 1-hydrate (USP, BP) PRS-CODEX ... 397
141677 Sodium di-Hydrogen Phosphate 2-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 398
141687 Sodium Hydroxide pellets (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 399
141686 Sodium Hydroxide flakes (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 400
141929 Sodium Hydroxide pearls (USP, BP, Ph. Eur.) PRS-CODEX ... 400
143307 Sodium Lactate solution 50% w/w (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 406
141701 Sodium Molybdate 2-hydrate (BP, Ph. Eur.) PRS-CODEX ... 407
141703 Sodium Nitrite (USP) PRS-CODEX ... 407
145642 Sodium Perborate 4-hydrate (BP, Ph. Eur.) PRS-CODEX ... 409
141697 Sodium Phosphinate 1-hydrate (DAC) PRS-CODEX ... 411
143473 Sodium Propionate (USP-NF) PRS-CODEX ... 411
141859 Sodium Salicylate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 412
192756 Sodium Selenite anhydrous (BP) CODEX ... 413
141715 Sodium Sulphate 10-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 414
191717 Sodium Sulphite anhydrous (RFE, BP, Ph. Eur.) CODEX ... 415
141721 Sodium Thiosulphate 5-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 417
141055 Sorbic Acid (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 418
146101 Sorbitan Monolaurate (USP, BP, Ph. Eur.) PRS-CODEX ... 418
146094 Sorbitan Monooleate (USP, BP, Ph. Eur.) PRS-CODEX ... 419
146092 Sorbitan Monopalmitate (USP, BP, Ph. Eur.) PRS-CODEX ... 419
146102 Sorbitan Monostearate (USP, BP, Ph. Eur.) PRS-CODEX ... 419
146156 Sorbitan Sesquioleate (USP, BP, Ph. Eur.) PRS-CODEX ... 419
146157 Sorbitan Trioleate (USP, BP, Ph. Eur.) PRS-CODEX ... 420
143064 D(-)-Sorbite (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 420
142590 Stearic Acid 95 (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 437
142512 Stearic Acid 50 (fatty acids mixture) (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 438
142823 Sulphanilamide (Ph. Fr., DAB) PRS-CODEX ... 440
141163 Sulphur precipitated (RFE, BP, Ph. Eur., DAB) PRS-CODEX ... 441
141164 Sulphur sublimated (USP) PRS-CODEX ... 441
141058 Sulphuric Acid 95-98% (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 444
141733 Talc washed (RFE, BP, Ph. Eur.) PRS-CODEX ... 447
141065 Tannic Acid (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 447
191066 L(+)-Tartaric Acid (RFE, USP-NF, BP, Ph. Eur.) CODEX ... 448
191303 Tin(II) Chloride 2-hydrate (BP, Ph. Eur.) CODEX ... 456
142101 Titanium(IV) Oxide (RFE, USP, BP, DAB, Ph. Eur.) PRS-CODEX ... 457
141067 Trichloroacetic Acid (BP, Ph. Eur.) PRS-CODEX ... 462
142925 1,1,1-Trichloroethane (E.U.) PRS ... 462
143101 Trichloromethane stabilized with ~50 ppm of amylene (BP) PRS-CODEX ... 464
141252 Trichloromethane stabilized with ethanol PRS ... 466
142502 Trichloromethane stabilized with 1-2% of ethanol (BP) PRS-CODEX ... 466
145300 1,1,1-Trichloro-2-Methyl-2-Propanol 1/2-hydrate (RFE, BP, Ph. Eur.) PRS-CODEX ... 467
141750 Triethanolamine (USP-NF) PRS-CODEX ... 468
191750 Triethanolamine (BP, Ph. Eur.) CODEX ... 468
141940 Tris (Hydroxymethyl) Aminomethane (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 472
142049 L-Tryptophan (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 474
141302 Turpentine Oil stabilized with 100 ppm of DL-α-Tocopherol (BP) PRS-CODEX ... 474
191302 Turpentine Oil stabilized with 100 ppm of DL-α-Tocopherol (BP, Ph. Eur.) CODEX ... 474
142312 Tween® 20 (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 475
142050 Tween ® 80 (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 475
142077 L-Tyrosine (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 475
191754 Urea crystal (RFE, USP, BP, Ph. Eur.) CODEX ... 476
145044 L-Valine (USP, BP, Ph. Eur.) PRS-CODEX ... 477
142048 Vanillin (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 477
141003 Vaseline Oil (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 478
141074 Water (BP, Ph. Eur.) PRS-CODEX ... 480
142080 D(+)-Xylose (RFE, BP, Ph. Eur.) PRS-CODEX ... 484
141775 Zinc Acetate 2-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 485
191786 Zinc Oxide (RFE, USP, BP, Ph. Eur.) CODEX ... 487
141895 Zinc Stearate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 487
141788 Zinc Sulphate 1-hydrate (USP) PRS-CODEX ... 488
141787 Zinc Sulphate 7-hydrate (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 488

TENSIOACTIVES

Anionic

362363 Sodium Dodecyl Sulphate (HPLC) PAI ... 391
372363 Sodium Dodecyl Sulphate PB ... 391
132363 Sodium Dodecyl Sulphate PA-ACS ... 392
142363 Sodium Dodecyl Sulphate (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 392
202363 Sodium Dodecyl Sulphate (F.C.C.) ADITIO ... 392
182792 Sodium Dodecyl Sulphate 0,004 mol/l SV ... 392

Cationic

191959 Alkylbenzyldimethylammonium Chloride (USP) CODEX ... 37
161959 Alkylbenzyldimethylammonium Chloride, 98% PS ... 37
211959 Alkylbenzyldimethylammonium Chloride QP ... 37
123083 Benzethonium Chloride (Reag. Ph. Eur.) PA ... 72
183141 Benzethonium Chloride 0,004 mol/l (0,004M) SV ... 72
186228 Benzethonium Chloride 0,01 mol/l (0,01N) SV ... 72
142542 Cetrimide (RFE, BP, Ph. Eur.) PRS-CODEX ... 119
122054 N-Cetyl-N,N,N-Trimethylammonium Bromide PA ... 120
162054 N-Cetyl-N,N,N-Trimethylammonium Bromide, 99% PS ... 120

Non-Ionic

212316 Brij® 35 QP ... 82
252317 Brij® 35 aqueous solution 30% w/v DC ... 82
146076 Polysorbate 20 (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 333
206076 Polysorbate 20 (E-432) ADITIO ... 333
146158 Polysorbate 40 (USP, BP, Ph. Eur.) PRS-CODEX ... 333
206158 Polysorbate 40 (E-434) ADITIO ... 333
156158 Polysorbate 40 PS ... 333
146159 Polysorbate 60 (USP, BP, Ph. Eur.) PRS-CODEX ... 333
206159 Polysorbate 60 (E-435) ADITIO ... 333
156159 Polysorbate 60 PS ... 333
206160 Polysorbate 65 (E-436) ADITIO ... 334
156160 Polysorbate 65 PS ... 334
146075 Polysorbate 80 (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 334
206075 Polysorbate 80 (E-433) ADITIO ... 334
156075 Polysorbate 80 PS ... 334
154406 Polysorbate 85 PS ... 334
146101 Sorbitan Monolaurate (USP, BP, Ph. Eur.) PRS-CODEX ... 418
156101 Sorbitan Monolaurate PS ... 419
146094 Sorbitan Monooleate (USP, BP, Ph. Eur.) PRS-CODEX ... 419
156094 Sorbitan Monooleate PS ... 419
146092 Sorbitan Monopalmitate (USP, BP, Ph. Eur.) PRS-CODEX ... 419
156092 Sorbitan Monopalmitate PS ... 419
146102 Sorbitan Monostearate (USP, BP, Ph. Eur.) PRS-CODEX ... 419
156102 Sorbitan Monostearate PS ... 419
146156 Sorbitan Sesquioleate (USP, BP, Ph. Eur.) PRS-CODEX ... 419
156156 Sorbitan Sesquioleate PS ... 419
146157 Sorbitan Trioleate (USP, BP, Ph. Eur.) PRS-CODEX ... 420
156157 Sorbitan Trioleate PS ... 420
156093 Sorbitan Tristearate PS ... 420
142314 Triton® X 100 PRS ... 473
142315 Triton ® X 405 solution 70% PRS ... 473
142312 Tween® 20 (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 475
202312 Tween® 20 (E-432) ADITIO ... 475
162312 Tween® 20 PS ... 475
142050 Tween ® 80 (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 475
202050 Tween® 80 (E-433) ADITIO ... 475
162050 Tween® 80 PS ... 475

LABORATORY AUXILIARY PRODUCTS

Active Carbons

121237 Charcoal Activated powder PA ... 120
201237 Charcoal Activated powder (E-153, F.C.C.) ADITIO ... 120
211237 Charcoal Activated powder QP ... 120
211238 Charcoal Activated granulated n° 1 QP ... 120
211239 Charcoal Activated granulated n° 2 QP ... 120
211240 Charcoal Activated granulated n° 3 QP ... 120
211241 Charcoal Animal powder QP ... 120
211243 Charcoal Vegetal powder QP ... 120

Silicones

216241 Silicone antifoaming liquid (AQ) QP ... 376
211628 Silicone antifoaming liquid (ORG) QP ... 376
211629 Silicone heat resistant liquid QP ... 376
211630 Silicone paste A QP ... 376
211631 Silicone paste B QP ... 376

Auxiliary Products and solutions

Auxiliary Products

175772 Celite Hyflo Super Cel ® RE ... 118
212520 General Absorbent QP ... 202
211376 Glass Wool washed QP ... 203
211935 Iron metal, thick granulated QP ... 239
175126 Mercury Absorbent RE ... 271
175677 Mercury Spillage Kit RE ... 274
211835 Pumice Stone granules QP ... 367
211161 Sea Sand washed, thick grain QP ... 374
211160 Sea Sand washed, thin grain QP ... 374
212778 Soda Lime with indicator QP ... 379
141733 Talc washed (RFE, BP, Ph. Eur.) PRS-CODEX ... 447
141003 Vaseline Oil (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 478
211757 Vaseline Soft QP ... 478
212236 Water Deionized QP ... 480

Solutions

171071 Baryta Water saturated solution RE ... 70
171072 Bromine Water saturated solution RE ... 83
171073 Lime Water saturated solution RE ... 255
171422 Mercury(II) Nitrate solution 2% w/v RE ... 273
171507 Potassium Hexacyanoferrate(II) solution 10% w/v RE ... 344
171543 Potassium Iodide solution 10% w/v RE ... 353
171460 Silver Nitrate solution 0,5% w/v RE ... 377
171462 Silver Nitrate solution 2% w/v RE ... 377
211571 Sodium Hydroxide solution 50% w/v QP ... 401
171690 Sodium Hydroxide solution 30% w/v RE ... 401
171689 Sodium Hydroxide solution 20% w/v RE ... 402
171688 Sodium Hydroxide solution 10% w/v RE ... 402
212297 Sodium Hypochlorite solution 5% w/v QP ... 404
211921 Sodium Hypochlorite solution 10% w/v QP ... 404

Dessication Media

121100 Aluminium Oxide Basic (Reag. Ph. Eur.) PA ... 39
15A721 Barium Oxide, 97% PS ... 69
211234 Calcium Oxide natural, pieces QP ... 111
136064 Magnesium Perchlorate hydrate (desiccant) PA-ACS ... 263
175349 Molecular Sieve 3Å (2 mm diameter particle) RE ... 290
175350 Molecular Sieve 4Å RE ... 291
175351 Molecular Sieve 5Å (2 mm diameter particle) RE ... 291
175352 Molecular Sieve 10Å (2 mm diameter particle) RE ... 291
141154 di-Phosphorus penta-Oxide PRS ... 329
211514 Potassium Hydroxide 90% flakes QP ... 349
131335 Silica Gel 3-6 mm with indicator (with cobalt chloride) PA-ACS ... 375
211335 Silica Gel 3-6 mm with indicator (with cobalt chloride) QP ... 375
135571 Silica Gel 2,5-6 mm with indicator (without cobalt chloride) PA-ACS ... 375
132921 Silica Gel 0,5-1,2 mm with indicator (with cobalt chloride) PA-ACS ... 375
212921 Silica Gel 0,5-1,2 mm with indicator (with cobalt chloride) QP ... 376
141686 Sodium Hydroxide flakes (RFE, USP-NF, BP, Ph. Eur.) PRS-CODEX ... 400
141929 Sodium Hydroxide pearls (USP, BP, Ph. Eur.) PRS-CODEX ... 400
131716 Sodium Sulphate anhydrous (Reag. USP) PA-ACS-ISO ... 414
141716 Sodium Sulphate anhydrous (RFE, USP, BP, Ph. Eur.) PRS-CODEX ... 414
141058 Sulphuric Acid 95-98% (USP-NF, BP, Ph. Eur.) PRS-CODEX ... 444
141779 Zinc Chloride PRS ... 486