LAB-SCAN
analytical sciences

The Choice of Analysts

LAB-SCAN analytical sciences

introduction

The Labscan brand name has always been associated with excellent quality, competitive pricing and efficient service.

Our Laboratory Reagents are sold to the Pharmaceutical, Biochemical, Environmental, Life Sciences and Biomedical sectors in over 60 countries worldwide

We are committed to integrating excellence at every stage of our process and at every level of our organisation.

It is our stated Quality Policy to satisfy all of our customer requirements with a wiev to heightening the levels of customer satisfaction.

In line with this policy we operate a defined quality system which is in compliance with ISO 9001:2000 Quality Standard.

Labscan is indeed a global brand which has developed a loyal customer base over the years. Through its continuing strong commitment to R&D, new product development and process improvement we aim to build on this base and to continue to satisfy our customers for many years into the future.

Our Website (www.labscan.eu) contains many new features including downloadable Certificates of Analysis, Material Safety Data Sheets and complete Data on all of our global operations and worldwide distribution network.

Information included in the catalogue is valid in the moment of its printing start.
It might happen the info will be changed during the catalogue validity term.

LAB-SCAN analytical sciences

table of contents

CHEMICAL REAGENTS

High purity chemical reagents in complete asortment groups representing different purity levels and variety of applications in conformity with individual customers needs. Packing sizes suitable for industrial and laboratory use.

1-2-PIRYLYDAZO-2-NAPHTOL PURE P.A. INDICATOR — A00003

Chemical formula	$C_{15}H_{11}N_3O$
CAS	85-85-8
EINECS	201-637-9
Molecular Weight	249,27 g/mol
Appearance	orange - red powder
Absorptivity(1 %; 1 cm; 470*5 nm)	min. 720
Melting point in a range of 1°C	139-141 °C
Loss on drying (110°C)	max. 0,5 %
Solubility in ethanol	passes test
Sensitivity to copper	min. 0,00000005 g/ml
TLC test	passes test

1,10-PHENANTHROLINE HYDROCHLORIDE MONOHYDRATE PURE P.A.INDICATOR — A00008

Chemical formula	$C_{12}H_8ClN_2 . H_2O$
CAS	18851-33-7
UN number	UN 2811
EINECS	223-325-1
Molecular Weight	234,69 g/mol
Appearance	white or slightly cream-pink powder
Assay (calculated on dried substance)	min. 99,5 %
Water	max. 8 %
Sensitivity to ions of iron Fe2+	min. 0,0000001 g/ml
Residue on ignition (as SO4)	max. 0,2 %
Suitability as redox indicator	passes test

T, N, R: 25-50/53

1,10-PHENANTHROLINE PURE P.A. INDICATOR — A00007

Chemical formula	$C_{12}H_8N_2 . H_2O$
CAS	5144-89-8
UN number	UN 2811
EINECS	200-629-2
Molecular Weight	198,23 g/mol
Appearance	white crystals
Assay	min. 99,5 %
E (pH 4,5; 505÷520 nm)	min. 11000
Water	min. 8,5 max. 9,5 %
Suitability as redox indicator	passes test
Residue on ignition (as SO4)	max. 0,05 %

T, N, R: 25-50/53

1,4-DIOXAN PURE P.A. — A00023

Chemical formula	$C_4H_8O_2$
Density	1,03 g/cm3
CAS	123-91-1
UN number	UN 1165
EINECS	204-661-8
Molecular Weight	88,11 g/mol
Density (20°C)	min. 1,032 max. 1,034 g/ml
Temperature of crystallization	min. 11 °C
Refractive index (20°C)	min. 1,42 max. 1,424
Water	max. 0,2 %
Free acids (as CH3COOH)	max. 0,005 %
Acetal	max. 0,5 %
Peroxides (as H2O2)	max. 0,005 %
Evaporation residue	max. 0,005 %

F, Xn, R: 11-19-36/37-40-66

1,5-DIPHENYLCARBAZIDE PURE P.A. — A00027

Chemical formula	$C_{13}H_{14}N_4O$; $C_6H_5NHNHCONHNHC_6H_5$
CAS	140-22-7
EINECS	205-403-7
Molecular Weight	242,28 g/mol
Appearance	white or pink, crystalline powder
Solubility in ethanol	passes test
Sensitivity to chromium	min. 0,00000005 g/ml
Sensitivity to ions of mercury Hg2+	min. 0,000002 g/ml
Residue on ignition (as SO4)	max. 0,05 %
Diphenylcarbazone and other organic impurites	passes test

1,5-DIPHENYLCARBAZONE PURE P.A. — A00026

Chemical formula	$C_{13}H_{12}N_4O$
CAS	538-62-5
EINECS	208-698-0
Molecular Weight	240,27 g/mol
Appearance	orange, crystalline powder
Assay	min. 40 max. 50 %
Melting point	min. 152 max. 157 °C
Solubility in ethanol	passes test
Sensitivity to ions of mercury Hg2+	min. 0,000001 g/ml
Residue on ignition (as SO4)	max. 0,1 %

2,2`- BIPYRIDYL PURE P.A. — A00047

Chemical formula	$C_{10}H_8N_2$
CAS	366-18-7
UN number	UN 2811
EINECS	206-674-4
Molecular Weight	156,19 g/mol
Appearance	white with slightly yellow shade crystalline powder
Assay	min. 99,5 max. 101 %
Melting point	min. 69 °C
Solubility in hydrochloric acid	passes test
Sensitivity to ions of iron Fe2+	min. 0,0000001 max. 0,0000001 g/ml
TLC test	passes test
Residue on ignition (as SO4)	max. 0,2 %

T, R: 21-25

2,3,5-TRIPHENYLTETRAZOLIUM CHLORIDE PURE P.A. — A00048

Chemical formula	$C_{19}H_{15}ClN_4$
CAS	298-96-4
EINECS	206-071-6
Molecular Weight	334,81 g/mol
Assay	min. 98,5 %
Absorptivity (1 %; 1 cm; 247 nm; water)	min. 670
Loss on drying (105°C)	max. 0,5 %
Solubility (5% water solution)	passes test
Residue on ignition (as SO4)	max. 0,2 %

Xi, R: 36/37/38

4-DIMETHYLAMINOBENZALDEHYDE PURE P.A. — A00083

Chemical formula	$C_9H_{11}NO$;$[(CH_3)_2N]C_6H_4CHO$
CAS	100-10-7
EINECS	202-819-0
Molecular Weight	149,19 g/mol
Appearance	white or light yellow crystals or powder
Molar absorptivity:	
E (329 nm; cyclohexane)	min. 33000
Sensitivity to amines	passes test
Solubility in ethanol	passes test
TLC test	passes test
Foreign organic substances	passes test

5-SULFOSALICYLIC ACID DIHYDRATE PURE P.A.	A00575
Chemical formula	$C_7H_6O_6S$. $2H_2O$
CAS	5965-83-3
UN number	UN 3261
EINECS	202-555-6
Molecular Weight	254,22 g/mol
Assay	min. 98 %
Melting point	min. 105 max. 110 °C
Chlorides (Cl)	max. 50 mg/kg
Zinc (Zn)	max. 50 mg/kg
Cadmium (Cd)	max. 50 mg/kg
Cobalt (Co)	max. 50 mg/kg
Copper (Cu)	max. 50 mg/kg
Nickel (Ni)	max. 50 mg/kg
Lead (Pb)	max. 50 mg/kg
Potassium (K)	max. 100 mg/kg
Sodium (Na)	max. 100 mg/kg
Calcium (Ca)	max. 50 mg/kg
Iron (Fe)	max. 50 mg/kg

C, R: 34

ACETANILIDE PURE	G00091
Chemical formula	C_8H_9NO
Density	1,2 g/cm^3
CAS	103-84-4
EINECS	203-150-7
Molecular Weight	135,17 g/mol
Appearance	colourless crystals
Assay	min. 98,5 %
Melting point	113-116 °C
Residue on ignition	max. 0,05 %

Xn, R: 22

ALBUMIN EGG POWDER	X00107
CAS	9006-59-1
EINECS	232-692-7
Protein	min. 83,5
Water (KF)	max. 8,0 %
Solubility	min. 92,0
Aerobic bacteria in 1,0 g	max. 50000
Microorganisms from Enterobacteriaceae and other sticks Gram -	max. 100 cfu
Salmonella sp.	indeterminable
Pathogenic staphylococci in 1,0 g	indeterminable
3-Hydroxybutyric acid	max. 10 mg/kg dried mass
L-lactic acid	max. 1000 mg/kg dried mass

T, N, R: 25-50/53

ALUMINIUM NITRATE NONAHYDRATE PURE P.A.	A00474
Chemical formula	$Al(NO_3)_3$. $9H_2O$
CAS	7784-27-2
UN number	UN 1438
EINECS	236-751-8
Molecular Weight	375,13 g/mol
Appearance	colourless crystals
Assay	min. 98,5 max. 101 %
Substances insoluble in water	max. 0,01 %
pH (5%, H2O)	min. 2,5 max. 3,5
Chlorides (Cl)	max. 0,001 %
Sulfates (SO4)	max. 0,005 %
Heavy metals (as Pb)	max. 0,0005 %
Sodium, potassium, calcium (Na+K+Ca)	max. 0,03 %
Iron (Fe)	max. 0,004 %

O, Xi, R: 8-36/38

ALUMINIUM OXIDE CALCINATED PURE	G00485
Chemical formula	Al_2O_3
CAS	1344-28-1
EINECS	215-691-6
Molecular Weight	101,94 g/mol
Appearance	white, crystalline powder
Assay	min. 96 %
Substances soluble in water	max. 0,75 %
Loss on ignition	max. 3 %
Nitrate (NO3)	max. 0,05 %
Chlorides (Cl)	max. 0,02 %
Sulfates (SO4)	max. 0,05 %
Heavy metals (as Pb)	max. 0,015 %
Iron (Fe)	max. 0,03 %

ALUMINIUM OXIDE CALCINATED PURE P.A.	A00485
Chemical formula	Al_2O_3
CAS	1344-28-1
EINECS	215-691-6
Molecular Weight	101,94 g/mol
Appearance	white, crystalline powder
Assay	min. 98,5 %
Substances soluble in water	max. 0,25 %
Loss on ignition	max. 1 %
Nitrate (NO3)	max. 0,02 %
Chlorides (Cl)	max. 0,005 %
Sulfates (SO4)	max. 0,01 %
Heavy metals (as Pb)	max. 0,005 %
Iron (Fe)	max. 0,01 %

ALUMINIUM POTASSIUM SULFATE DODECAHYDRATE PURE P.A.	A00480
Chemical formula	$AlK(SO_4)_2$. $12H_2O$
CAS	7784-24-9
EINECS	233-141-3
Molecular Weight	474,39 g/mol
Appearance	colourless crystals or white, crystalline powder
Assay	min. 99,5 %
pH (5%, H2O)	min. 3 max. 3,5
Substances insoluble in water	max. 0,005 %
Chlorides (Cl)	max. 0,0005 %
Ammonia salts (NH4)	max. 0,005 %
Arsenic (As)	max. 0,00005 %
Cadmium (Cd)	max. 0,0003 %
Copper (Cu)	max. 0,0003 %
Lead (Pb)	max. 0,0004 %
Sodium (Na)	max. 0,02 %
Iron (Fe)	max. 0,001 %

AMMONIA SOLUTION 25 % PURE P.A.	A00116
Chemical formula	NH_3
Density	0,91 g/cm^3
CAS	1336-21-6
UN number	UN 2672
EINECS	215-647-6
Molecular Weight	17,03 g/mol
Appearance	colourless, clear liquid
Assay	min. 24 max. 28 %
Evaporation residue	max. 0,003 %
Substances reducing KMnO4 (as O)	max. 0,0008 %
Chlorides (Cl)	max. 0,0001 %
Phosphates (PO4)	max. 0,0001 %
Sulfur total (as SO4)	max. 0,0003 %
Carbonates (CO3)	max. 0,002 %
Heavy metals (as Pb)	max. 0,00005 %
Calcium and magnesium (as Ca)	max. 0,0002 %
Iron (Fe)	max. 0,000025 %

C, N, R: 34-50

AMMONIUM ACETATE PURE P.A.	A00138
Chemical formula	$C_2H_7NO_2$; CH_3COONH_4
CAS	631-61-8
EINECS	211-162-9
Molecular Weight	77,08 g/mol
Appearance	colourless crystals
Assay	min. 97 max. 100 %
Substances insoluble in water	max. 0,0025 %
pH (5%, H2O)	min. 6 max. 7,3
Residue on ignition (as SO4)	max. 0,01 %
Substances reducing KMnO4 (as O)	max. 0,007 %
Nitrate (NO3)	max. 0,0015 %
Chlorides (Cl)	max. 0,0005 %
Phosphates (PO4)	max. 0,0005 %
Sulfates (SO4)	max. 0,001 %
Heavy metals (as Pb)	max. 0,0005 %
Aluminium (Al)	max. 0,0005 %
Magnesium (Mg)	max. 0,0002 %
Calcium (Ca)	max. 0,001 %
Iron (Fe)	max. 0,0005 %

AMMONIUM CHLORIDE PURE P.A.	A00124
Chemical formula	NH_4Cl
CAS	12125-02-9
EINECS	235-186-4
Molecular Weight	53,49 g/mol
Appearance	white, crystalline powder
Assay	min. 99,5 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 4,5 max. 5,5
Residue on ignition	max. 0,05 %
Nitrate (NO3)	max. 0,0006 %
Phosphates (PO4)	max. 0,001 %
Iodides and bromides	max. 0,001 %
Sulfates (SO4)	max. 0,002 %
Heavy metals (as Pb)	max. 0,0005 %
Arsenic (As)	max. 0,00005 %
Magnesium (Mg)	max. 0,001 %
Calcium (Ca)	max. 0,001 %
Iron (Fe)	max. 0,0005 %
Xn, R: 22-36	

AMMONIUM HYDROGEN DIFLUORIDE PURE P.A.	A00147
Chemical formula	$NH_4F \cdot HF$
CAS	1341-49-7
UN number	UN 1727
EINECS	215-676-4
Molecular Weight	57,04 g/mol
Appearance	colourless crystals
Assay	min. 95 %
Residue on ignition (as SO4)	max. 0,02 %
Chlorides (Cl)	max. 0,001 %
Sulfates (SO4)	max. 0,01 %
Zinc (Zn)	max. 0,0001 %
Copper (Cu)	max. 0,0001 %
Lead (Pb)	max. 0,0005 %
Iron (Fe)	max. 0,001 %
T, C, R: 25-34	

AMMONIUM IRON(II) SULFATE HEXAHYDRATE PURE P.A.	A00150
Chemical formula	$(NH_4)_2Fe(SO_4)_2 \cdot 6\ H_2O$
CAS	7783-85-9
EINECS	233-151-8
Molecular Weight	392,14 g/mol
Appearance	pale green-blue crystals
Assay	min. 99,5 %
Substances insoluble in water	max. 0,01 %
Chlorides (Cl)	max. 0,002 %
Phosphates (PO4)	max. 0,003 %
Alkali and alkaline earth metals (as SO4)	max. 0,1 %
Zinc (Zn)	max. 0,01 %
Manganese (Mn)	max. 0,015 %
Copper (Cu)	max. 0,005 %
Iron Fe(III)	max. 0,01 %

AMMONIUM IRON(III) SULFATE DODECAHYDRATE PURE P.A.	A00152
Chemical formula	$NH_4Fe(SO_4)_2 \cdot 12H_2O$
CAS	7783-83-7
EINECS	233-382-4
Molecular Weight	482,19 g/mol
Appearance	pale violet, transparent crystals
Assay	min. 98 max. 101 %
Substances insoluble in water	max. 0,01 %
pH (5%, H2O)	min. 1,3
Nitrate (NO3)	max. 0,03 %
Chlorides (Cl)	max. 0,001 %
Phosphates (PO4)	max. 0,006 %
Zinc (Zn)	max. 0,005 %
Manganese (Mn)	max. 0,01 %
Copper (Cu)	max. 0,005 %
Iron (II)	max. 0,002 %
Alkali and alkaline earth metals (as SO4)	max. 0,05 %

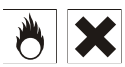
AMMONIUM MOLYBDATE TETRAHYDRATE PURE P.A.	A00134
Chemical formula	$(NH_4)_6Mo_7O_{24} \cdot 4H_2O$
CAS	12054-85-2
EINECS	234-722-4
Molecular Weight	1235,8 g/mol
Appearance	colourless or light green crystals
Assay	min. 99 %
Substances insoluble in dilute NH4OH	max. 0,01 %
Chlorides (Cl)	max. 0,001 %
Phosphates, silicates, arsenates (as PO4)	max. 0,001 %
Sulfates (SO4)	max. 0,005 %
Heavy metals (as Pb)	max. 0,001 %
Copper (Cu)	max. 0,001 %
Iron (Fe)	max. 0,001 %

AMMONIUM MONOVANADATE PURE P.A.	A00135
Chemical formula	NH_4VO_3
CAS	7803-55-6
UN number	UN 2859
EINECS	232-261-3
Molecular Weight	116,98 g/mol
Assay	min. 99,5 %
Chlorides (Cl)	max. 0,002 %
Phosphates (PO4)	max. 0,005 %
Sulfates (SO4)	max. 0,01 %
Zinc (Zn)	max. 0,001 %
Cadmium (Cd)	max. 0,001 %
Cobalt (Co)	max. 0,002 %
Copper (Cu)	max. 0,001 %
Nickel (Ni)	max. 0,002 %
Lead (Pb)	max. 0,002 %
Iron (Fe)	max. 0,001 %
T, R: 20-25-36/37	

AMMONIUM NITRATE PURE	G00121
Chemical formula	NH_4NO_3
CAS	6484-52-2
UN number	UN 1942
EINECS	229-347-8
Molecular Weight	80,05 g/mol
Appearance	white, crystalline powder
Assay (on dried substance)	min. 99 %
Moisture	max. 2,5 %
Substances insoluble in water	max. 0,01 %
pH (5%, H2O)	min. 4,5 max. 6
Residue on ignition	max. 0,05 %
Nitrite (NO2)	max. 0,0008 %
Chlorides (Cl)	max. 0,004 %
Phosphates (PO4)	max. 0,001 %
Sulfates (SO4)	max. 0,01 %
Heavy metals (as Pb)	max. 0,0006 %
Arsenic (As)	max. 0,0001 %
Calcium (Ca)	max. 0,005 %
Iron (Fe)	max. 0,001 %
O, R: 8-9	

AMMONIUM NITRATE PURE P.A.	A00121
Chemical formula	NH_4NO_3
CAS	6484-52-2
UN number	UN 1942
EINECS	229-347-8
Molecular Weight	80,05 g/mol
Appearance	white, crystalline powder
Assay (on dried substance)	min. 99 %
Moisture	max. 2 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 4,5 max. 6
Residue on ignition	max. 0,02 %
Nitrite (NO2)	max. 0,0004 %
Chlorides (Cl)	max. 0,001 %
Phosphates (PO4)	max. 0,0005 %
Sulfates (SO4)	max. 0,005 %
Heavy metals (as Pb)	max. 0,0003 %
Arsenic (As)	max. 0,00005 %
Magnesium (Mg)	max. 0,001 %
Calcium (Ca)	max. 0,003 %
Iron (Fe)	max. 0,0002 %
O, R: 8-9	

AMMONIUM PERSULFATE PURE P.A.	A00137
Chemical formula	$(NH_4)_2S_2O_8$
CAS	7727-54-0
UN number	UN 1444
EINECS	231-786-5
Molecular Weight	228,2 g/mol
Appearance	colourless crystals or slightly yellow powder
Assay	min. 98 %
Substances insoluble in water	max. 0,01 %
Free acids (as H2SO4)	max. 0,2 %
Residue on ignition	max. 0,05 %
Chlorides and Chlorates (as Cl)	max. 0,001 %
Heavy metals (as Pb)	max. 0,001 %
Manganese (Mn)	max. 0,0001 %
Iron (Fe)	max. 0,001 %
O, Xn, R: 8-22-36/37/38-42/43	



AMMONIUM SULFATE PURE P.A. — A00142

Chemical formula	$(NH_4)_2SO_4$
CAS	7783-20-2
EINECS	231-984-1
Molecular Weight	132,14 g/mol
Appearance	colourless or white crystals
Assay	min. 98,5 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 5 max. 6
Residue on ignition	max. 0,02 %
Nitrate (NO3)	max. 0,002 %
Chlorides (Cl)	max. 0,001 %
Phosphates (PO4)	max. 0,001 %
Heavy metals (as Pb)	max. 0,001 %
Arsenic (As)	max. 0,0005 %
Zinc (Zn)	max. 0,005 %
Magnesium (Mg)	max. 0,0005 %
Copper (Cu)	max. 0,0005 %
Lead (Pb)	max. 0,001 %
Calcium (Ca)	max. 0,001 %
Iron (Fe)	max. 0,0005 %

ANILINE HYDROCHLORIDE PURE — G00160

Chemical formula	C_6H_5ClN; $C_6H_5NH_2$. HCl
CAS	142-04-1
UN number	UN 1548
EINECS	205-519-8
Molecular Weight	129,59 g/mol
Appearance	white crystals or yellowish or grey powder
Assay	min. 98,5 max. 101,5 %
Melting point	199 ÷ 202 °C
Substances insoluble in water	max. 0,05 %
Residue on ignition (as SO4)	max. 0,05 %

T, N, R: 23/24/25-40-41-43-48/23/24/25-68-50

ANTIMONY(III) CHLORIDE SOLUTION 35% SPECIALLY PURE — G01420

Density	1,41 g/cm^3
UN number	UN 3264
Assay	min. 35 %
Substances insoluble	max. 0,01 %
Antimony(V) chloride (SbCl5)	max. 0,5 %
Sulfates (SO4)	max. 0,5 %
Arsenic (As)	max. 0,5 %
Aluminium (Al)	max. 0,5 %

C, N, R: 34-37-51/53

AZOMETHIN-H MONOSODIUM SALT — I01678

Chemical formula	$C_{17}H_{12}NNaO_8S_2$
CAS	5941-07-1
EINECS	227-698-1
Molecular Weight	445,39 g/mol
Loss on drying (105°C)	max. 2 %
Absorptivity(1 %; 1 cm; 236 nm; pH 5,1)	min. 1200
Sensitivity test for boron ions (B)	max. 0,0000001 g/ml
Solubility in water	passes test
TLC test	passes test

BARIUM CHLORIDE DIHYDRATE PURE P.A. — A00183

Chemical formula	$BaCl_2$. $2H_2O$
CAS	10326-27-9
UN number	UN 1564
EINECS	233-788-1
Molecular Weight	244,28 g/mol
Appearance	white crystals
Assay	min. 99 %
Substances insoluble in water	max. 0,01 %
pH (5%, H2O)	min. 5 max. 8
Loss on drying (150°C)	min. 14 max. 16 %
Nitrogen (N)	max. 0,002 %
Heavy metals (as Pb)	max. 0,0005 %
Potassium (K)	max. 0,005 %
Sodium (Na)	max. 0,005 %
Strontium (Sr)	max. 0,1 %
Calcium (Ca)	max. 0,005 %

T, R: 20-25

BENZALDEHYDE PURE — G00197

Chemical formula	C_7H_6O
Density	1,05 g/cm^3
CAS	100-52-7
UN number	UN 1990
EINECS	202-860-4
Molecular Weight	106,13 g/mol
Assay	min. 98 %
Density (25°C)	min. 1,041 max. 1,046 g/ml
Refractive index (20°C)	min. 1,544 max. 1,546
Acid number	max. 5 mg KOH/g

Xn, R: 22

BROMOETHANE PURE — G00242

Chemical formula	C_2H_5Br
Density	1,46 g/cm^3
CAS	74-96-4
UN number	UN 1891
EINECS	200-825-8
Molecular Weight	108,97 g/mol
Appearance	colourless liquid
Assay	min. 98 %
Colour	max. 150 Hazen
Density (20°C)	min. 1,452 max. 1,461 g/ml
Refractive index (20°C)	min. 1,42 max. 1,425
Water	max. 0,04 %
Hydrogen bromide acid (as Br)	max. 0,005 %
Evaporation residue	max. 0,003 %

F, Xn, R: 11-20/22-40

CALCIUM CARBONATE PRECIPITATED PURE P.A. — A01354

Chemical formula	$CaCO_3$
CAS	471-34-1
EINECS	207-439-9
Molecular Weight	100,09 g/mol
Appearance	white powder
Assay	min. 99 %
Substances insoluble in HCl	max. 0,005 %
Nitrogen (N)	max. 0,04 %
Chlorides (Cl)	max. 0,001 %
Sulfates (SO4)	max. 0,05 %
Arsenic (As)	max. 0,0003 %
Barium (Ba)	max. 0,005 %
Zinc (Zn)	max. 0,01 %
Magnesium (Mg)	max. 0,05 %
Copper (Cu)	max. 0,0005 %
Lead (Pb)	max. 0,0005 %
Potassium (K)	max. 0,01 %
Sodium (Na)	max. 0,05 %
Strontium (Sr)	max. 0,05 %
Iron (Fe)	max. 0,001 %

CALCIUM CHLORIDE ANHYDROUS FOR EXSICCATORS — X01339

Chemical formula	$CaCl_2$
CAS	10043-52-4
EINECS	233-140-8
Molecular Weight	110,99 g/mol
Appearance	white-grey, porous pieces
Loss on ignition	max. 10 %

Xi, R: 36

CALCIUM CHLORIDE ANHYDROUS PURE P.A. — A01339

Chemical formula	$CaCl_2$
CAS	10043-52-4
EINECS	233-140-8
Molecular Weight	110,99 g/mol
Appearance	white, porous pieces, granules or white powder
Assay	min. 97 %
Sulfates (SO4)	max. 0,02 %
Heavy metals (as Pb)	max. 0,002 %
Iron (Fe)	max. 0,002 %

Xi, R: 36

CALCIUM CHLORIDE HEXAHYDRATE PURE P.A. — A01338

Chemical formula	$CaCl_2 . 6H_2O$
CAS	7774-34-7
EINECS	233-140-8
Molecular Weight	219,09 g/mol
Appearance	colourless, hygroscopic crystals
Assay	min. 98,5 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 5,5 max. 7,5
Sulfates (SO4)	max. 0,005 %
Heavy metals (as Pb)	max. 0,0005 %
Barium (Ba)	max. 0,005 %
Magnesium (Mg)	max. 0,05 %
Potassium (K)	max. 0,01 %
Sodium (Na)	max. 0,2 %
Iron (Fe)	max. 0,0002 %

Xi, R: 36

CALCIUM HYDROGEN PHOSPHATE DIHYDRATE PURE P.A. — A01355

Chemical formula	$CaHPO_4 . 2H_2O$
CAS	7789-77-7
EINECS	231-826-1
Molecular Weight	172,1 g/mol
Appearance	white powder
Identity	passes test
Assay	min. 99 max. 101 %
Substances insoluble in HCl	max. 0,005 %
Loss on ignition	min. 24,5 max. 26,5 %
Chlorides (Cl)	max. 0,002 %
Sulfates (SO4)	max. 0,02 %
Barium (Ba)	max. 0,01 %
Magnesium (Mg)	max. 0,1 %
Copper (Cu)	max. 0,001 %
Lead (Pb)	max. 0,001 %
Iron (Fe)	max. 0,002 %
Calcium dihydrophosphate and tri-calcium phosphate	passes test

CALCIUM HYDROXIDE PURE P.A. — A01357

Chemical formula	$Ca(OH)_2$
CAS	1305-62-0
EINECS	215-137-3
Molecular Weight	74,1 g/mol
Appearance	white or slightly grey, fine, crystalline powder
Assay	min. 96 %
Substances insoluble in HCl	max. 0,03 %
Substances not precipitated by ammonia oxalate (as SO4)	max. 2,5 %
Calcium carbonate	max. 3 %
Chlorides (Cl)	max. 0,005 %
Sulfates (SO4)	max. 0,05 %
Zinc (Zn)	max. 0,0005 %
Copper (Cu)	max. 0,0005 %
Lead (Pb)	max. 0,001 %
Iron (Fe)	max. 0,05 %

Xi, R: 41

CALCIUM NITRATE TETRAHYDRATE PURE P.A. — A01334

Chemical formula	$Ca(NO_3)_2 . 4H_2O$
CAS	13477-34-4
UN number	UN 1454
EINECS	233-332-1
Molecular Weight	236,15 g/mol
Appearance	colourless, hygroscopic crystals
Assay	min. 99 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 5 max. 7
Chlorides (Cl)	max. 0,002 %
Sulfates (SO4)	max. 0,005 %
Barium (Ba)	max. 0,005 %
Magnesium (Mg)	max. 0,05 %
Copper (Cu)	max. 0,0005 %
Lead (Pb)	max. 0,0005 %
Potassium (K)	max. 0,005 %
Sodium (Na)	max. 0,005 %
Strontium (Sr)	max. 0,05 %
Iron (Fe)	max. 0,0005 %

O, Xi, R: 8-36

CALCIUM OXIDE PURE P.A. — A01353

Chemical formula	CaO
CAS	1305-78-8
EINECS	215-138-9
Molecular Weight	56,08 g/mol
Appearance	white, pale-yellow or grey powder
Assay (after ignition)	min. 98 %
Substances insoluble in HCl	max. 0,5 %
Substances not precipitated by ammonia oxalate (as SO4)	max. 2,5 %
Loss on ignition	max. 10 %
Arsenic (As)	max. 0,0003 %
Zinc (Zn)	max. 0,002 %
Copper (Cu)	max. 0,001 %
Lead (Pb)	max. 0,001 %

Xi, R: 41

CANADA BALSAM FOR MICROSCOPY — X00181

Density	0,99 g/cm^3
CAS	8007-47-4
EINECS	232-362-2
Refractive index (20°C)	min. 1,522 max. 1,53

CHLORAL HYDRATE SPECIALLY PURE — G00261

Chemical formula	$C_2H_3Cl_3O_2$
CAS	302-17-0
UN number	UN 2811
EINECS	206-117-5
Molecular Weight	165,4 g/mol
Appearance	colourless or light yellow transparent crystals
Assay	min. 98,5 max. 101,0 %
pH (0,1g/1ml, 20°C)	min. 3,5 max. 5,5
Identity	passes test
Appearance of solution	passes test
Evaporation residue	max. 0,1 %
Chloral alkoholate	passes test
Chlorides (Cl)	max. 0,01 %
Heavy metals (as Pb)	max. 20 ug/g

T, R: 25-36/38

CHLORAMINE T TRIHYDRATE PURE P.A. — A00264

Chemical formula	$C_7H_7ClNNaO_2S . 3H_2O$
CAS	127-65-1
UN number	UN 3263
EINECS	204-854-7
Molecular Weight	281,69 g/mol
Assay (iodometric)	min. 99 %
Substances insoluble in ethanol	max. 1,5 %
pH (5%, H2O)	min. 8 max. 10

C, R: 22-31-34-42

CHROMIUM(VI) OXIDE PURE — G00278

Chemical formula	CrO_3
CAS	1333-82-0
UN number	UN 1463
EINECS	215-607-8
Molecular Weight	99,99 g/mol
Appearance	brown-red or violet crystals or flakes
Assay	min. 98,5 %
Substances insoluble in water	max. 0,01 %
Chlorides (Cl)	max. 0,005 %
Sulfates (SO4)	max. 0,06 %
Substances precipitating by NH4OH	max. 0,06 %
Sodium, potassium, calcium, magnesium (Na+K+Ca+Mg)	max. 0,1 %

O, T+, N, R: 45-46-9-24/25-26-35-42/43-48/23-62-50/53

CHROMIUM(VI) OXIDE PURE P.A. — A00278

Chemical formula	CrO_3
CAS	1333-82-0
UN number	UN 1463
EINECS	215-607-8
Molecular Weight	99,99 g/mol
Appearance	brown-red or violet crystals
Assay	min. 99 %
Substances insoluble in water	max. 0,004 %
Chlorides (Cl)	max. 0,002 %
Sulfates (SO4)	max. 0,03 %
Substances precipitating by NH4OH	max. 0,03 %
Sodium, potassium, calcium, magnesium (Na+K+Ca+Mg)	max. 0,06 %

O, T+, N, R: 45-46-9-24/25-26-35-42/43-48/23-62-50/53

CHROMOTROPIC ACID DISODIUM SALT DIHYDRATE PURE P.A. — A00600

Chemical formula	$C_{10}H_6Na_2O_8S_2 \cdot 2H_2O$
CAS	5808-22-0
EINECS	204-972-9
Molecular Weight	400,30 g/mol
Appearance	grey-brown powder
pH (5%, H2O)	min. 3 max. 3,5
Sensitivity to formaldehyde	min. 0,00004 max. 0,00004 g/ml
Sensitivity to ions of titanium	min. 0,0000005 max. 0,0000005 g/ml
Residue on ignition (as Na2SO4)	min. 34,5 max. 36 %

COBALT(II) NITRATE HEXAHYDRATE PURE P.A. — A00549

Chemical formula	$Co(NO_3)_2 \cdot 6H_2O$
Density	1,87 g/cm^3
CAS	10026-22-9
UN number	UN 1477
EINECS	233-402-1
Molecular Weight	291,04 g/mol
Appearance	red-brown crystals
Assay	min. 99 %
Substances insoluble in water	max. 0,005 %
Chlorides (Cl)	max. 0,005 %
Sulfates (SO4)	max. 0,005 %
Zinc (Zn)	max. 0,005 %
Magnesium (Mg)	max. 0,005 %
Copper (Cu)	max. 0,001 %
Nickel (Ni)	max. 0,05 %
Lead (Pb)	max. 0,001 %
Potassium (K)	max. 0,01 %
Sodium (Na)	max. 0,05 %
Calcium (Ca)	max. 0,005 %
Iron (Fe)	max. 0,001 %

Xn, R: 22-40-43

COLLODION 4% PURE — G00556

Density	0,75 g/cm^3
UN number	UN 2059
Assay	min. 3,8 max. 4,2 %
Free acids	passes test

F+, Xn, R: 12-19-22-66-67

COPPER(I) CHLORIDE PURE P.A. — A00774

Chemical formula	CuCl
CAS	7758-89-6
UN number	UN 2802
EINECS	231-842-9
Molecular Weight	98,99 g/mol
Appearance	grey-white powder
Assay	min. 97 %
Substances insoluble in acids	max. 0,01 %
Sulfates (SO4)	max. 0,1 %
Arsenic (As)	max. 0,001 %
Potassium (K)	max. 0,02 %
Sodium (Na)	max. 0,05 %
Calcium (Ca)	max. 0,01 %
Iron (Fe)	max. 0,002 %

Xn, N, R: 22-50/53

COPPER(II) ACETATE MONOHYDRATE PURE P.A. — A00782

Chemical formula	$C_4H_6CuO_4 \cdot H_2O$
CAS	6046-93-1
UN number	UN 3077
EINECS	205-553-3
Molecular Weight	199,65 g/mol
Appearance	dark-green crystals
Assay	min. 99 %
Substances insoluble in water	max. 0,01 %
Nitrogen (N)	max. 0,03 %
Chlorides (Cl)	max. 0,001 %
Sulfates (SO4)	max. 0,005 %
Lead (Pb)	max. 0,004 %
Sodium, potassium, calcium (Na+K+Ca)	max. 0,07 %
Iron (Fe)	max. 0,003 %

Xn, N, R: 22-41-50/53

COPPER(II) NITRATE TRIHYDRATE PURE P.A. — A00777

Chemical formula	$Cu(NO_3)_2 \cdot 3H_2O$
CAS	10031-43-3
UN number	UN 1477
EINECS	221-838-5
Molecular Weight	241,6 g/mol
Appearance	blue crystals
Assay	min. 99 %
Substances insoluble in water	max. 0,005 %
Chlorides (Cl)	max. 0,001 %
Sulfates (SO4)	max. 0,005 %
Sodium, potassium, calcium (Na+K+Ca)	max. 0,07 %
Iron (Fe)	max. 0,005 %

Xn , N, R: 22-36/38-50/53

COPPER(II) SULFATE ANHYDROUS PURE P.A. — A00137

UN number	UN 3077
Appearance	grey powder
Assay	min. 98,5 %
Substances insoluble in water	max. 0,01 %
Substances not precipitated by hydrogen sulfide (as SO4)	max. 0,15 %
Nitrogen (N)	max. 0,02 %
Chlorides (Cl)	max. 0,004 %
Nickel (Ni)	max. 0,01 %
Iron (Fe)	max. 0,02 %

COPPER(II) SULFATE PENTAHYDRATE PURE — G00784

Chemical formula	$CuSO_4 . 5H_2O$
CAS	7758-99-8
UN number	UN 3077
EINECS	231-847-6
Molecular Weight	249,68 g/mol
Appearance	blue crystals
Assay	min. 98,5 max. 101 %
Substances insoluble in water	max. 0,01 %
Nitrogen (N)	max. 0,005 %
Chlorides (Cl)	max. 0,001 %
Sodium, potassium, calcium (Na+K+Ca)	max. 0,15 %
Iron (Fe)	max. 0,02 %

Xn, N, R: 22-36/38-50/53

COPPER(II) SULFATE PENTAHYDRATE PURE P.A. — A00784

Chemical formula	$CuSO_4 . 5H_2O$
CAS	7758-99-8
UN number	UN 3077
EINECS	231-847-6
Molecular Weight	249,68 g/mol
Appearance	blue crystals
Assay	min. 99 max. 101 %
Substances insoluble in water	max. 0,005 %
Chlorides (Cl)	max. 0,0005 %
Nitrogen (N)	max. 0,004 %
Nickel (Ni)	max. 0,005 %
Sodium, potassium, calcium (Na+K+Ca)	max. 0,07 %
Iron (Fe)	max. 0,01 %

Xn, N, R: 22-36/38-50/53

DI-AMMONIUM OXALATE MONOHYDRATE PURE P.A. — A00338

Chemical formula	$(NH_4)_2C_2O_4 . H_2O$
CAS	6009-70-7
UN number	UN 2811
EINECS	214-202-3
Molecular Weight	142,11 g/mol
Appearance	colourless crystals
Assay	min. 99,5 %
Substances insoluble in water	max. 0,005 %
Residue on ignition (as SO4)	max. 0,02 %
Chlorides (Cl)	max. 0,001 %
Sulfates (SO4)	max. 0,005 %
Heavy metals (as Pb)	max. 0,001 %
Iron (Fe)	max. 0,0005 %

Xn, R: 21/22

DICHLOROMETHANE (ACS) PURE P.A. — A00346

Chemical formula	CH_2Cl_2
Density	1,32 g/cm^3
CAS	75-09-2
UN number	UN 1593
EINECS	200-838-9
Molecular Weight	84,93 g/mol
Appearance	colourless, clear liquid
Assay	min. 99,5 %
Colour	max. 10 Hazen
Water (KF)	max. 0,02 %
Free acids (as HCl)	max. 0,001 %
Evaporation residue	max. 0,002 %
Free halides	passes test

Xn, R: 40

DICHLOROMETHANE PURE — G00346

Chemical formula	CH_2Cl_2
Density	1,32 g/cm^3
CAS	75-09-2
UN number	UN 1593
EINECS	200-838-9
Molecular Weight	84,93 g/mol
Appearance	colourless, clear liquid
Assay	min. 99 %
Colour	max. 20 Hazen
Water (KF)	max. 0,05 %
Free acids (as HCl)	max. 0,001 %
Evaporation residue	max. 0,002 %

Xn, R: 40

DI-POTASSIUM HYDROGEN PHOSPHATE PURE P.A. — A00371

Chemical formula	K_2HPO_4
CAS	7758-11-4
EINECS	231-834-5
Molecular Weight	174,18 g/mol
Appearance	colourless crystals or crystalline powder
Assay	min. 99 %
Substances insoluble in water	max. 0,01 %
Loss on drying	max. 1 %
pH (5%, H2O)	min. 8,5 max. 9,6
Nitrogen (N)	max. 0,002 %
Chlorides (Cl)	max. 0,005 %
Sulfates (SO4)	max. 0,005 %
Heavy metals (as Pb)	max. 0,001 %
Arsenic (As)	max. 0,0002 %
Sodium (Na)	max. 0,5 %
Iron (Fe)	max. 0,001 %

DI-SODIUM HYDROGEN PHOSPHATE ANHYDROUS PURE P.A. — A00385

Chemical formula	Na_2HPO_4
CAS	7558-79-4
EINECS	231-448-7
Molecular Weight	141,96 g/mol
Appearance	white powder
Assay	min. 99 %
pH (5%, H2O)	min. 8,9 max. 9,2
Loss on drying (105°C, 2 h)	max. 0,2 %
Substances insoluble in water	max. 0,01 %
Nitrogen (N)	max. 0,002 %
Chlorides (Cl)	max. 0,001 %
Sulfates (SO4)	max. 0,005 %
Zinc (Zn)	max. 0,001 %
Copper (Cu)	max. 0,001 %
Lead (Pb)	max. 0,001 %
Potassium (K)	max. 0,01 %
Iron (Fe)	max. 0,001 %

DI-SODIUM HYDROGEN PHOSPHATE DIHYDRATE PURE P.A. — A00384

Chemical formula	$Na_2HPO_4 . 2H_2O$
CAS	10028-24-7
EINECS	231-448-7
Molecular Weight	177,99 g/mol
Appearance	white crystals or crystalline powder
Assay	min. 99 max. 101 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 8,9 max. 9,2
Loss on drying (130°C)	min. 19,5 max. 21 %
Chlorides (Cl)	max. 0,001 %
Sulfates (SO4)	max. 0,005 %
Heavy metals (as Pb)	max. 0,001 %
Zinc (Zn)	max. 0,001 %
Copper (Cu)	max. 0,001 %
Potassium (K)	max. 0,005 %
Iron (Fe)	max. 0,001 %

DI-SODIUM HYDROGEN PHOSPHATE DODECAHYDRATE PURE P.A. — A00383

Chemical formula	$Na_2HPO_4 . 12H_2O$
CAS	10039-32-4
EINECS	231-448-7
Molecular Weight	358,14 g/mol
Appearance	colourless crystals or crystalline powder
Assay	min. 99 max. 102 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 8,9 max. 9,3
Nitrogen (N)	max. 0,001 %
Chlorides (Cl)	max. 0,001 %
Sulfates (SO4)	max. 0,005 %
Heavy metals (as Pb)	max. 0,001 %
Arsenic (As)	max. 0,0001 %
Potassium (K)	max. 0,03 %
Iron (Fe)	max. 0,001 %

DI-SODIUM OXALATE PURE P.A.	A00375
Chemical formula	$C_2Na_2O_4$; NaOOCCOONa
CAS	62-76-0
UN number	UN 2811
EINECS	200-550-3
Molecular Weight	134,01 g/mol
Appearance	white, crystalline powder
Assay	min. 99,5 %
Loss on drying (105°C)	max. 0,1 %
pH (3%, H2O)	min. 7 max. 8,5
Nitrogen (N)	max. 0,001 %
Chlorides (Cl)	max. 0,002 %
Sulfates (SO4)	max. 0,002 %
Zinc (Zn)	max. 0,0005 %
Cadmium (Cd)	max. 0,0005 %
Copper (Cu)	max. 0,0005 %
Lead (Pb)	max. 0,0005 %
Potassium (K)	max. 0,005 %
Iron (Fe)	max. 0,0005 %
Xn, R: 21/22	

DISODIUM VERSENATE DIHYDRATE PURE	G00380
Chemical formula	$C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$
CAS	6381-92-6
EINECS	205-358-3
Molecular Weight	372,24 g/mol
Appearance	white, crystalline powder
Assay	min. 98,5 % max. 100,5 %
Substances insoluble in water	max. 0,02 %
pH (5%, H2O)	min. 4 max. 5
Chlorides (Cl)	max. 0,01 %
Sulfates (SO4)	max. 0,01 %
Copper (Cu)	max. 0,002 %
Lead (Pb)	max. 0,005 %
Iron (Fe)	max. 0,001 %

DISODIUM VERSENATE DIHYDRATE PURE P.A.	A00380
Chemical formula	$C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$
CAS	6381-92-6
EINECS	205-358-3
Molecular Weight	372,24 g/mol
Appearance	white, crystalline powder
Assay	min. 99 max. 100,5 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 4 max. 5
Chlorides (Cl)	max. 0,004 %
Sulfates (SO4)	max. 0,005 %
Copper (Cu)	max. 0,001 %
Lead (Pb)	max. 0,001 %
Iron (Fe)	max. 0,0005 %

EKO-HIGROSORB	X01808
Bulk density	min. 650 max. 850 g/l
Moisture (150°C, 3h)	max. 2 %
Moisture (150°C, 3h)	max. 2 %
Granulation	min. 2 max. 7 mm
Ability of water adsorption (24 hours at 80% relative humidity)	min. 15 %

ETHANOLAMINE PURE	G00409
Chemical formula	C_2H_7NO
Density	1,02 g/cm^3
CAS	141-43-5
UN number	UN 2491
EINECS	205-483-3
Molecular Weight	61,08 g/mol
Appearance	colourless or light-yellow liquid
Assay	min. 98 max. 107 %
Density (20°C)	min. 1,014 max. 1,02 g/ml
Refractive index (20°C)	min. 1,453 max. 1,455
Residue on ignition (as SO4)	max. 0,1 %
C, R: 20/21/22-34	

ETHANOLAMINE PURE P.A.	A00409
Chemical formula	C_2H_7NO
Density	1,02 g/cm^3
CAS	141-43-5
UN number	UN 2491
EINECS	205-483-3
Molecular Weight	61,08 g/mol
Appearance	colourless or light-yellow liquid
Assay	min. 99 max. 100,5 %
Density (20°C)	min. 1,015 max. 1,018 g/ml
Refractive index (20°C)	min. 1,4535 max. 1,4545
Residue on ignition (as SO4)	max. 0,05 %
Heavy metals (as Pb)	max. 0,001 %
Iron (Fe)	max. 0,001 %
C, R: 20/21/22-34	

ETHYL ALCOHOL 96% PURE	G00423
Chemical formula	C_2H_5OH
Density	0,81 g/cm^3
CAS	64-17-5
UN number	UN 1170
EINECS	200-578-6
Molecular Weight	46,07 g/mol
Appearance	colourless, clear liquid
Assay	min. 96 %
Density (20°C)	max. 0,808 g/ml
Refractive index (20°C)	max. 1,364
Acids (as CH3COOH)	max. 0,003 %
Aldehydes (as CH3CHO)	max. 0,001 %
Methanol	max. 0,1 %
Higher alcohols (as amyl alcohol)	max. 0,001 %
Discolouration time of solution of KMnO4	min. 5 min
Miscibility with water	passes test
Evaporation residue	max. 0,001 %
Furfurol presence test	passes test
Ketones presence test	passes test
Organic impurities	max. 0,5 %
Heavy metals (as Pb)	max. 0,0001 %
F, R: 11	

ETHYL ALCOHOL 96% PURE P.A.	A00423
Chemical formula	C_2H_5OH
Density	0,81 g/cm^3
CAS	64-17-5
UN number	UN 1170
EINECS	200-578-6
Molecular Weight	46,07 g/mol
Appearance	colourless, clear liquid
Assay	min. 96 %(V/V)
Density (20°C)	max. 0,808 g/ml
Refractive index (20°C)	max. 1,364
Acids (as CH3COOH)	max. 0,002 %
Aldehydes (as CH3CHO)	max. 0,0005 %
Methanol	max. 0,05 %
Higher alcohols (as amyl alcohol)	max. 0,001 %
Discolouration time of solution of KMnO4	min. 10 min
Miscibility with water	passes test
Evaporation residue	max. 0,001 %
Furfurol presence test	passes test
Ketones presence test	passes test
Organic impurities	max. 0,2 %
Heavy metals (as Pb)	max. 0,0001 %
F, R: 11	

ETHYL ALCOHOL 99,8 % (ISO,ACS) SPECIALLY PURE	G00424
Chemical formula	C_2H_5OH
Density	0,79 g/cm^3
CAS	64-17-5
UN number	UN 1170
EINECS	200-578-6
Molecular Weight	46,07 g/mol
Appearance	colourless, clear liquid
Assay	min. 99,8 %
Colour	max. 10 Hazen
Density (20°C)	min. 0,789 max. 0,791 g/ml
Water	max. 0,2 %
Acids (as CH3COOH)	max. 0,001 %
Alkalies (as NH3)	max. 0,0003 %
Aldehydes (as CH3CHO)	max. 0,001 %
Higher alcohols (as amyl alcohol)	max. 0,01 %
Discolouration time of solution of KMnO4	min. 10 min
Methanol	max. 0,05 %
Evaporation residue	max. 0,001 %
2-Propanol	max. 0,01 %
Test with H2SO4	passes test
Carbonyl compounds (as CO)	max. 0,003 %
Heavy metals (as Pb)	max. 0,0001 %
F, R: 11	

ETHYL ALCOHOL ABSOLUT 99,8% PURE	G00424
Chemical formula	C_2H_5OH
Density	0,79 g/cm^3
CAS	64-17-5
UN number	UN 1170
EINECS	200-578-6
Molecular Weight	46,07 g/mol
Appearance	colourless, clear liquid
Assay	min. 99,8 %
Colour	max. 10 Hazen
Density (20°C)	min. 0,789
	max. 0,791 g/ml
Water	max. 0,2 %
Acids (as CH3COOH)	max. 0,001 %
Alkalies (as NH3)	max. 0,0003 %
Aldehydes (as CH3CHO)	max. 0,001 %
Higher alcohols (as amyl alcohol)	max. 0,01 %
Discolouration time of solution of KMnO4	min. 5 min
Methanol	max. 0,05 %
Evaporation residue	max. 0,001 %
Test with H2SO4	passes test
Carbonyl compounds (as CO)	max. 0,008 %
Heavy metals (as Pb)	max. 0,0001 %
F, R: 11	

ETHYL ALCOHOL ABSOLUT 99,8% PURE P.A.	A00424
Chemical formula	C_2H_5OH
Density	0,79 g/cm^3
CAS	64-17-5
UN number	UN 1170
EINECS	200-578-6
Molecular Weight	46,07 g/mol
Appearance	colourless, clear liquid
Assay	min. 99,8 %
Colour	max. 10 Hazen
Density (20°C)	min. 0,789
	max. 0,791 g/ml
Water	max. 0,2 %
Acids (as CH3COOH)	max. 0,001 %
Alkalies (as NH3)	max. 0,0003 %
Aldehydes (as CH3CHO)	max. 0,0005 %
Higher alcohols (as amyl alcohol)	max. 0,001 %
Discolouration time of solution of KMnO4	min. 10 min
Methanol	max. 0,01 %
Evaporation residue	max. 0,001 %
Test with H2SO4	passes test
Carbonyl compounds (as CO)	max. 0,003 %
Heavy metals (as Pb)	max. 0,0001 %
F, R: 11	

ETHYLENEDIAMINETETRAACETIC ACID DIPOTASSIUM SALT DIHYDRATE PURE P.A.	A00369
Chemical formula	$C_{10}H_{14}N_2K_2O_8 \cdot 2H_2O$
CAS	25102-12-9
EINECS	217-895-0
Molecular Weight	404,47 g/mol
Appearance	white, crystalline powder
Assay	min. 99 %
pH (5%, H2O)	min. 4 max. 6
Substances insoluble in water	max. 0,005 %
Iron (Fe)	max. 0,01 %
Heavy metals (as Pb)	max. 0,005 %

ETHYLENEDIAMINETETRAACETIC ACID PURE P.A.	A00709
Chemical formula	$C_{10}H_{16}N_2O_8$
CAS	60-00-4
EINECS	200-449-4
Molecular Weight	292,25 g/mol
Appearance	white, crystalline powder
Assay	min. 99 %
Residue on ignition (as SO4)	max. 0,1 %
Chlorides (Cl)	max. 0,005 %
Magnesium (Mg)	max. 0,0005 %
Copper (Cu)	max. 0,001 %
Nickel (Ni)	max. 0,001 %
Lead (Pb)	max. 0,001 %
Calcium (Ca)	max. 0,002 %
Iron (Fe)	max. 0,001 %
Xi, R: 36-52/53	

ETHYLENEDIAMMONIUM SULFATE PURE	G02474
Chemical formula	$C_2H_{10}N_2O_4S$
Molecular Weight	158,18 g/mol
Assay	min. 98 %

FERROIN SOLUTION 1/40 M INDICATOR,	I00437
Chemical formula	$C_{36}H_{24}FeN_6O_4S$
Density	1,01 g/cm^3
CAS	14634-91-4
EINECS	238-676-6
Molecular Weight	692,54 g/mol
Appearance	dark-red, clear liquid
Redox potential Eo in 1 molar H2SO4	min. 1,05 max. 1,06
Suitability as redox indicator	passes test
Absorption spectrum testing	passes test
, R: 52/53	

FORMALDEHYDE 36-38% (ACS) PURE P.A.	A00447
Density	1,09 g/cm^3
UN number	UN 2209
Appearance	colourless, clear liquid
Assay	min. 36 max. 38 %
Colour	max. 10 Hazen
Density (20°C)	min. 1,08
	max. 1,09 g/ml
Organic acids (as HCOOH)	max. 0,03 %
Residue on ignition (as SO4)	max. 0,002 %
Chlorides (Cl)	max. 0,0001 %
Sulfates (SO4)	max. 0,002 %
Heavy metals (as Pb)	max. 0,0002 %
Iron (Fe)	max. 0,0001 %
T, R: 23/24/25-34-40-43-68	

FORMALDEHYDE 36-38% PURE	G00447
Density	1,09 g/cm^3
UN number	UN 2209
Appearance	colourless, clear liquid
Assay	min. 36 max. 38 %
Density	min. 1,08
	max. 1,09 g/ml
Organic acids (as HCOOH)	max. 0,05 %
Residue on ignition (as SO4)	max. 0,005 %
Chlorides (Cl)	max. 0,0005 %
Sulfates (SO4)	max. 0,005 %
Heavy metals (as Pb)	max. 0,0005 %
Iron (Fe)	max. 0,0005 %
T, R: 23/24/25-34-40-43-68	

FORMALDEHYDE SOLUTION 10% SPECIALLY PURE	G01421
Density	1,02 g/cm^3
Appearance	colourless, clear liquid
Assay	min. 9 max. 11 %
Acidity	passes test
Heavy metals (as Pb)	passes test
Xn, R: 20/21/22-36/37/38-40-43-68	

FORMALDEHYDE SOLUTION 20% SPECIALLY PURE	G00446
Density	1,04 g/cm^3
Appearance	colourless, clear liquid
Assay	min. 19 max. 21 %
Acidity	passes test
Heavy metals (as Pb)	passes test

Xn, R: 20/21/22-36/37/38-40-43-68

GLYCEROL ANHYDROUS PURE	G00461
Chemical formula	$C_3H_8O_3$; $(HOCH_2)_2CHOH$
Density	1,26 g/cm^3
CAS	56-81-5
EINECS	200-289-5
Molecular Weight	92,10 g/mol
Appearance	colourless liquid
Assay	min. 98,5 max. 100 %
Water	max. 1,5 %
Acids (as CH3COOH)	max. 0,001 %
Aldehydes and reducing substances	passes test
Esters (as gliceril tributyrate)	max. 0,1 %
Organic halogen derivative	max. 0,0005 %
Sulfate ash	max. 0,01 %
Chlorides (Cl)	max. 0,0005 %
Sulfates (SO4)	max. 0,001 %
Heavy metals (as Pb)	max. 0,0005 %
Arsenic (As)	max. 0,0002 %
Iron (Fe)	max. 0,0001 %

GLYCEROL ANHYDROUS PURE P.A.	A00461
Chemical formula	$C_3H_8O_3$; $(HOCH_2)_2CHOH$
Density	1,26 g/cm3
CAS	56-81-5
EINECS	200-289-5
Molecular Weight	92,10 g/mol
Appearance	colourless liquid
Assay	min. 99,5 max. 100 %
Water	max. 0,5 %
Acids (as CH3COOH)	max. 0,001 %
Aldehydes and reducing substances	passes test
Esters (as gliceril tributyrate)	max. 0,08 %
Organic halogen derivative	max. 0,0005 %
Sulfate ash	max. 0,005 %
Chlorides (Cl)	max. 0,0002 %
Sulfates (SO4)	max. 0,0005 %
Ammonia salts (NH4)	max. 0,002 %
Heavy metals (as Pb)	max. 0,0001 %
Arsenic (As)	max. 0,00004 %
Calcium (Ca)	max. 0,001 %
Iron (Fe)	max. 0,00005 %

HYDRAZINE HYDRATE SOLUTION 40% PURE	G00499
Density	1,01 g/cm^3
UN number	UN 3293
Appearance	colourless liquid
Assay (N2H4*H2O)	min. 38 max. 42 %
Density (20°C)	min. 1,01
	max. 1,02 g/ml
Evaporation residue	max. 0,1 %

T, N, R: 45-23/24/25-34-43-50/53

HYDROGEN PEROXIDE 30%	X01365
Chemical formula	H_2O_2
Density	1,11 g/cm^3
CAS	7722-84-1
UN number	UN 2014
EINECS	231-765-0
Molecular Weight	34,01 g/mol
Appearance	colourless, transparent liquid
Assay	min. 29,0
	max. 31,0 %
Solubility	passes test
Identity	passes test
Acidity	passes test
Organic stabilizers	max. 0,05 %
Non-volatile substances	max. 0,2 %

Xn, R: 22-41

HYDROGEN PEROXIDE 30% PURE	G01365
Chemical formula	H_2O_2
Density	1,11 g/cm^3
CAS	7722-84-1
UN number	UN 2014
EINECS	231-765-0
Molecular Weight	34,01 g/mol
Appearance	colourless, clear liquid
Assay	min. 28 max. 33 %
Free acids (as H2SO4)	max. 0,01 %
Evaporation residue	max. 0,01 %
Nitrogen (N)	max. 0,005 %
Chlorides (Cl)	max. 0,001 %
Phosphates (PO4)	max. 0,003 %
Sulfates (SO4)	max. 0,001 %
Heavy metals (as Pb)	max. 0,00005 %
Arsenic (As)	max. 0,00005 %
Iron (Fe)	max. 0,00005 %

Xn, R: 22-41

HYDROGEN PEROXIDE APPROX.30% PURE P.A.	A01365
Chemical formula	H_2O_2
Density	1,11 g/cm^3
CAS	7722-84-1
UN number	UN 2014
EINECS	231-765-0
Molecular Weight	34,01 g/mol
Appearance	colourless, clear liquid
Assay	min. 29 max. 33 %
Free acids (as H2SO4)	max. 0,005 %
Evaporation residue	max. 0,005 %
Nitrogen (N)	max. 0,005 %
Chlorides (Cl)	max. 0,0005 %
Phosphates (PO4)	max. 0,0005 %
Sulfates (SO4)	max. 0,0005 %
Heavy metals (as Pb)	max. 0,00002 %
Arsenic (As)	max. 0,00005 %
Iron (Fe)	max. 0,00002 %

Xn, R: 22-41

IODINE CRYST. (ACS) PURE P.A.	A00517
Chemical formula	I_2
CAS	7553-56-2
UN number	UN 3290
EINECS	231-442-4
Molecular Weight	253,81 g/mol
Appearance	dark-violet crystals with metallic lustre
Assay	min. 99,8 %
Evaporation residue	max. 0,01 %
Chlorine and bromine (as Cl)	max. 0,005 %

Xn, N, R: 20/21-50

IODINE CRYST.PURE	G00517
Chemical formula	I_2
CAS	7553-56-2
UN number	UN 3290
EINECS	231-442-4
Molecular Weight	253,81 g/mol
Appearance	dark-violet crystals with metallic lustre
Assay	min. 99,5 %
Evaporation residue	max. 0,02 %
Chlorine and bromine (as Cl)	max. 0,01 %

Xn, N, R: 20/21-50

IRON(II) SULFATE HEPTAHYDRATE (ACS) PURE P.A.	A01372
Chemical formula	$FeSO_4 . 7H_2O$
CAS	7782-63-0
EINECS	231-753-5
Molecular Weight	278,02 g/mol
Appearance	green-blue crystals
Assay	min. 99,5 max. 104,5 %
Substances insoluble in water	max. 0,01 %
pH (5%, H2O)	min. 3 max. 4
Substances not precipitated by NH4OH	max. 0,05 %
Nitrogen (N)	max. 0,001 %
Chlorides (Cl)	max. 0,001 %
Phosphates (PO4)	max. 0,001 %
Arsenic (As)	max. 0,0002 %
Zinc (Zn)	max. 0,005 %
Magnesium (Mg)	max. 0,005 %
Manganese (Mn)	max. 0,05 %
Copper (Cu)	max. 0,0025 %
Lead (Pb)	max. 0,005 %
Potassium (K)	max. 0,005 %
Sodium (Na)	max. 0,01 %
Calcium (Ca)	max. 0,01 %
Iron Fe(III)	max. 0,025 %
Xn, R: 22	

IRON(III) CHLORIDE HEXAHYDRATE PURE P.A.	A01376
Chemical formula	$FeCl_3 . 6H_2O$
CAS	10025-77-1
EINECS	231-729-4
Molecular Weight	270,3 g/mol
Appearance	brown-yellow, hygroscopic lumps or granule
Assay	min. 97 max. 102 %
Substances insoluble in HCl	max. 0,05 %
Phosphates (PO4)	max. 0,05 %
Sulfates (SO4)	max. 0,1 %
Arsenic (As)	max. 0,005 %
Zinc (Zn)	max. 0,05 %
Magnesium (Mg)	max. 0,05 %
Manganese (Mn)	max. 0,1 %
Copper (Cu)	max. 0,01 %
Lead (Pb)	max. 0,01 %
Potassium (K)	max. 0,05 %
Sodium (Na)	max. 0,1 %
Calcium (Ca)	max. 0,05 %
Iron (II)	max. 0,05 %
Xn, R: 22-38-41	

IRON(III) SULFATE HYDRATE PURE P.A.	A01383
Chemical formula	$Fe_2(SO_4)_3 . xH_2O$; $Fe_2O_{12}S_3 . xH_2O$
CAS	15244-10-7
EINECS	231-753-5
Molecular Weight	399,88 g/mol
Assay [as Fe2(SO4)3]	min. 75 %
Substances insoluble in water	max. 0,025 %
Nitrate (NO3)	max. 0,02 %
Chlorides (Cl)	max. 0,01 %
Copper (Cu)	max. 0,005 %
Potassium (K)	max. 0,01 %
Sodium (Na)	max. 0,05 %
Iron (II)	max. 0,1 %
Xn, R: 22	

ISOAMYL ALCOHOL PURE	G00507
Chemical formula	$C_5H_{12}O$; $(CH_3)_2CHCH_2CH_2OH$
Density	0,81 g/cm^3
CAS	123-51-3
UN number	UN 1105
EINECS	204-633-5
Molecular Weight	88,15 g/mol
Appearance	colourless, clear liquid
Assay	min. 99 %
Density (20°C)	min. 0,809 max. 0,812 g/ml
Water (KF)	max. 0,3 %
Acids (as CH3COOH)	max. 0,01 %
Assay of furfuryl	max. 0,003 %
Evaporation residue	max. 0,005 %
Test with H2SO4	passes test
Xn, R: 10-20-37-66	

ISOAMYL ALCOHOL PURE P.A.	A00507
Chemical formula	$C_5H_{12}O$; $(CH_3)_2CHCH_2CH_2OH$
Density	0,81 g/cm^3
CAS	123-51-3
UN number	UN 1105
EINECS	204-633-5
Molecular Weight	88,15 g/mol
Appearance	colourless, clear liquid
Assay	min. 99 %
Density (20°C)	min. 0,81 max. 0,812 g/ml
Water (KF)	max. 0,2 %
Acids (as CH3COOH)	max. 0,01 %
Assay of furfuryl	max. 0,0001 %
Evaporation residue	max. 0,003 %
Test with H2SO4	passes test
Xn, R: 10-20-37-66	

KJELDAHL TABLETS I	X01758
Tablet weight	min. 3,8 max. 4 g
Copper (II) sulfate CuSO4 5H2O	min. 0,38 max. 0,42 g
, R: 52/53	

L(+)-ASCORBIC ACID (ACS,PH EUR) PURE P.A.	A00631
Chemical formula	$C_6H_8O_6$
CAS	50-81-7
EINECS	200-066-2
Molecular Weight	176,13 g/mol
Appearance	white crystals or crystalline powder
Assay	min. 99 max. 100 %
Identity	passes test
Specific rotation (25°C, 10%, H2O)	+20,5 ÷ +21,5 °
Melting point	min. 191 max. 192 °C
Appearance of solution	passes test
pH	min. 2,2 max. 2,5
Residue on ignition (as SO4)	max. 0,1 %
Oxalic acid (H2C2O4)	max. 0,2 %
Heavy metals	max. 0,0003 %
Arsenic (As)	max. 0,0003 %
Copper (Cu)	max. 0,0005 %
Lead (Pb)	max. 0,0005 %
Mercury (Hg)	max. 0,0001 %
Iron (Fe)	max. 0,0002 %

LEAD(II) ACETATE TRIHYDRATE (ACS) PURE P.A.	A00867
Chemical formula	$C_4H_6O_4Pb . 3H_2O$; $Pb(CH_3COO)_2 . 3H_2O$
CAS	6080-56-4
UN number	UN 1616
EINECS	206-104-4
Molecular Weight	379,34 g/mol
Appearance	colourless or white crystals
Assay	min. 99,5 max. 103 %
Substances insoluble in CH3COOH	max. 0,005 %
Nitrate and Nitrite (as NO3)	max. 0,002 %
Chlorides (Cl)	max. 0,0005 %
Zinc (Zn)	max. 0,001 %
Cadmium (Cd)	max. 0,001 %
Cobalt (Co)	max. 0,001 %
Magnesium (Mg)	max. 0,005 %
Copper (Cu)	max. 0,001 %
Nickel (Ni)	max. 0,001 %
Potassium (K)	max. 0,005 %
Sodium (Na)	max. 0,01 %
Calcium (Ca)	max. 0,005 %
Iron (Fe)	max. 0,001 %
T, N , R: 61-33-48/22-50/53-62	

LEAD(II) NITRATE PURE P.A., ACS	A00863
Chemical formula	$Pb(NO_3)_2$
CAS	10099-74-8
UN number	UN 1469
EINECS	233-245-9
Molecular Weight	331,21 g/mol
Appearance	white crystals or white, crystalline powder
Assay	min. 99 %
Substances insoluble in dilute HNO3	max. 0,005 %
Chlorides (Cl)	max. 0,001 %
Copper (Cu)	max. 0,0005 %
Potassium (K)	max. 0,005 %
Sodium (Na)	max. 0,02 %
Calcium (Ca)	max. 0,005 %
Iron (Fe)	max. 0,001 %
T, N , R: 61-20/22-33-50/53-62	

IMAGNESIUM CHLORIDE HEXAHYDRATE PURE P.A.	A00740
Chemical formula	$MgCl_2 . 6 H_2O$
CAS	7791-18-6
EINECS	232-094-6
Molecular Weight	203,3 g/mol
Appearance	colourless crystals
Assay	min. 99 %
Substances insoluble in water	max. 0,005 %
Free acids (as HCl)	max. 0,0009 %
Nitrogen (N)	max. 0,001 %
Phosphates (PO4)	max. 0,0005 %
Sulfates (SO4)	max. 0,003 %
Heavy metals (as Pb)	max. 0,0005 %
Arsenic (As)	max. 0,00005 %
Barium (Ba)	max. 0,002 %
Zinc (Zn)	max. 0,003 %
Potassium (K)	max. 0,008 %
Sodium (Na)	max. 0,005 %
Calcium (Ca)	max. 0,005 %
Iron (Fe)	max. 0,0005 %

MAGNESIUM NITRATE HEXAHYDRATE PURE P.A.	A00738
Chemical formula	$Mg(NO_3)_2 . 6H_2O$
CAS	13446-18-9
UN number	UN 1474
EINECS	233-826-7
Molecular Weight	256,41 g/mol
Appearance	colourless crystals
Assay	min. 99 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 4 max. 7
Chlorides (Cl)	max. 0,001 %
Phosphates (PO4)	max. 0,0005 %
Sulfates (SO4)	max. 0,002 %
Ammonia salts (NH4)	max. 0,001 %
Arsenic (As)	max. 0,0001 %
Barium (Ba)	max. 0,002 %
Manganese (Mn)	max. 0,0005 %
Heavy metals (as Pb)	max. 0,0005 %
Potassium (K)	max. 0,005 %
Sodium (Na)	max. 0,005 %
Strontium (Sr)	max. 0,001 %
Calcium (Ca)	max. 0,005 %
Iron (Fe)	max. 0,0005 %
O, R: 8	

MAGNESIUM SULFATE ANHYDROUS PURE	G00747
Chemical formula	$MgSO_4$
CAS	7487-88-9
EINECS	231-298-2
Molecular Weight	120,36 g/mol
Appearance	white powder
Assay	min. 98 %
Substances insoluble in water	max. 0,02 %
Loss on ignition	max. 2,5 %
Chlorides (Cl)	max. 0,005 %
Heavy metals (as Pb)	max. 0,002 %
Arsenic (As)	max. 0,0002 %
Manganese (Mn)	max. 0,005 %
Calcium (Ca)	max. 0,1 %
Iron (Fe)	max. 0,002 %

MAGNESIUM SULFATE ANHYDROUS PURE P.A.	A00747
Chemical formula	$MgSO_4$
CAS	7487-88-9
EINECS	231-298-2
Molecular Weight	120,36 g/mol
Appearance	white powder
Assay	min. 98,5 %
Substances insoluble in water	max. 0,01 %
Loss on ignition	max. 1,5 %
Nitrate (NO3)	max. 0,004 %
Chlorides (Cl)	max. 0,001 %
Heavy metals (as Pb)	max. 0,001 %
Arsenic (As)	max. 0,0001 %
Manganese (Mn)	max. 0,002 %
Calcium (Ca)	max. 0,04 %
Iron (Fe)	max. 0,001 %

MAGNESIUM SULFATE HEPTAHYDRATE PURE P.A.	A00746
Chemical formula	$MgSO_4 . 7H_2O$
CAS	10034-99-8
EINECS	231-298-2
Molecular Weight	246,48 g/mol
Appearance	colourless crystals
Assay	min. 99 max. 100,5 %
pH (5%, H2O)	min. 5,5 max. 8
Substances insoluble in water	max. 0,005 %
Chlorides (Cl)	max. 0,002 %
Phosphates (PO4)	max. 0,001 %
Heavy metals (as Pb)	max. 0,0005 %
Arsenic (As)	max. 0,0001 %
Manganese (Mn)	max. 0,002 %
Calcium (Ca)	max. 0,02 %
Iron (Fe)	max. 0,0005 %

MANGANESE(II) CHLORIDE TETRAHYDRATE PURE P.A.	A00757
Chemical formula	$MnCl_2 . 4H_2O$
Density	2,01 g/cm³
CAS	13446-34-9
EINECS	231-869-6
Molecular Weight	197,91 g/mol
Appearance	slightly pink crystalline powder
Assay	min. 98,5 %
pH (5%, H2O)	min. 4 max. 6
Substances insoluble in water	max. 0,005 %
Substances reducing KMnO4 (as O)	max. 0,0005 %
Sulfates (SO4)	max. 0,005 %
Zinc (Zn)	max. 0,005 %
Cadmium (Cd)	max. 0,005 %
Copper (Cu)	max. 0,0005 %
Nickel (Ni)	max. 0,002 %
Lead (Pb)	max. 0,0005 %
Sodium, potassium, calcium, magnesium (Na+K+Ca+Mg)	max. 0,02 %
Iron (Fe)	max. 0,0005 %
,Xn, R: 22	

MANGANESE(II) SULFATE MONOHYDRATE (ACS) PURE P.A.	A00758
Chemical formula	$Mn SO_4 . H_2O$
Density	2,95 g/cm³
CAS	10034-96-5
UN number	UN 3077
EINECS	232-089-9
Molecular Weight	169,02 g/mol
Appearance	pale pink crystals or crystalline powder
Assay	min. 99 max. 101 %
Loss on ignition	min. 10 max. 12 %
Substances insoluble in water	max. 0,01 %
Substances reducing KMnO4 (as O2)	passes test
Chlorides (Cl)	max. 0,002 %
Heavy metals (as Pb)	max. 0,001 %
Zinc (Zn)	max. 0,005 %
Magnesium (Mg)	max. 0,005 %
Nickel (Ni)	max. 0,005 %
Potassium (K)	max. 0,01 %
Sodium (Na)	max. 0,05 %
Calcium (Ca)	max. 0,005 %
Iron (Fe)	max. 0,001 %
Xn, N, R: 48/20/22-51/53	

N,N-DIMETHYLANILINE PURE	G00810
Chemical formula	$C_8H_{11}N; C_6H_5N(CH_3)_2$
Density	0,96 g/cm³
CAS	121-69-7
UN number	UN 2253
EINECS	204-493-5
Molecular Weight	121,18 g/mol
Appearance	pale yellow, oily liquid
Assay (GC)	min. 99 %
Density (20°C)	min. 0,955 max. 0,958 g/ml
Boiling point	192-194 °C
Water	max. 0,2 %
Aniline and N-metylaniline (GC)	max. 0,4 %
Residue on ignition (as SO4)	max. 0,01 %
T, N, R: 23/24/25-40-51/53	

N,N-DIMETHYLANILINE PURE P.A.	A00810
Chemical formula	$C_8H_{11}N; C_6H_5N(CH_3)_2$
Density	0,96 g/cm³
CAS	121-69-7
UN number	UN 2253
EINECS	204-493-5
Molecular Weight	121,18 g/mol
Appearance	pale yellow, oily liquid
Assay (GC)	min. 99,5 %
Density (20°C)	min. 0,955 max. 0,958 g/ml
Boiling point	192-194 °C
Water	max. 0,2 %
Aniline and N-metylaniline (GC)	max. 0,2 %
Residue on ignition (as SO4)	max. 0,005 %
T, N, R: 23/24/25-40-51/53	

NICKEL(II) CHLORIDE HEXAHYDRATE PURE — G00826

Chemical formula	$NiCl_2.6H_2O$
CAS	7791-20-0
UN number	UN 3288
EINECS	231-743-0
Molecular Weight	237,71 g/mol
Appearance	green, crystalline powder
Assay	min. 97 %
Zinc (Zn)	max. 0,002 %
Cobalt (Co)	max. 0,02 %
Copper (Cu)	max. 0,002 %
Lead (Pb)	max. 0,005 %
Iron (Fe)	max. 0,005 %

T, N, R: 25-43-50/53

NINHYDRIN PURE P.A. — A00830

Chemical formula	$C_9H_6O_4$
CAS	485-47-2
EINECS	207-618-1
Molecular Weight	178,15 g/mol
Substances insoluble in water	passes test
Residue on ignition (as SO4)	max. 0,1 %
Sensitivity to amine acid	passes test

Xn, R: 22-36/37/38

PARAFFIN WAX FOR MICROSCOPY MELTING POINT 52-54°C — X00896

Density	0,9 g/cm^3
CAS	8002-74-2
EINECS	232-315-6
Melting point	min. 52 max. 54 °C

PARAFFIN WAX FOR MICROSCOPY MELTING POINT 54°C — X03389

Density	0,77 g/cm^3
CAS	8002-74-2
EINECS	232-315-6
Melting point	min. 53 max. 55 °C

PARAFFIN WAX FOR MICROSCOPY MELTING POINT 56°C — X03390

Density	0,77 g/cm^3
CAS	8002-74-2
EINECS	232-315-6
Melting point	min. 55 max. 57 °C

PARAFFIN WAX FOR MICROSCOPY MELTING POINT 56-58°C — X00869

Density	0,9 g/cm^3
CAS	8002-74-2
EINECS	232-315-6
Melting point	min. 56 max. 58 °C

PHENOL (ACS) PURE P.A. — A00432

Chemical formula	C_6H_6O; C_6H_5OH
CAS	108-95-2
UN number	UN 1671
EINECS	203-632-7
Molecular Weight	94,11 g/mol
Appearance	colourless or pink crystals or mass
Assay	min. 99 %
Clarity	passes test
Freezing point	min. 40,5 °C
Water (KF)	max. 0,5 %
Evaporation residue	max. 0,01 %
Chlorides (Cl)	max. 0,001 %
Iron (Fe)	max. 0,0001 %

T, C, R: 23/24/25-34-48/20/21/22-68

PHENYLHYDRAZINE HYDROCHLORIDE PURE P.A. — A00436

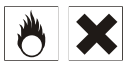
Chemical formula	$C_6H_9ClN_2$; $C_6H_5NHNH_2.HCl$
CAS	59-88-1
UN number	UN 2811
EINECS	200-444-7
Molecular Weight	144,61 g/mol
Appearance	colourless or pale-cream crystals or powder
Assay (acidimetry)	min. 99 %
Substances insoluble in water	passes test
Residue on ignition (as SO4)	max. 0,05 %
Sulfates (SO4)	max. 0,01 %
Iron (Fe)	max. 0,001 %

T, N, R: 45-23/24/25-36/38-43-48/23/24/25-68-50

POTASSIUM BROMIDE PURE P.A. — A00979

Chemical formula	KBr
CAS	7758-02-3
EINECS	231-830-3
Molecular Weight	119,01 g/mol
Appearance	white, crystalline powder
Assay	min. 99,5 %
Loss on drying	max. 0,5 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 5,5 max. 8,5
Nitrogen (N)	max. 0,001 %
Bromate (BrO3)	max. 0,001 %
Chlorides (Cl)	max. 0,1 %
Iodides (I)	max. 0,02 %
Sulfates (SO4)	max. 0,005 %
Heavy metals (as Pb)	max. 0,0005 %
Barium (Ba)	max. 0,002 %
Magnesium (Mg)	max. 0,001 %
Sodium (Na)	max. 0,05 %
Calcium (Ca)	max. 0,001 %
Iron (Fe)	max. 0,0005 %

POTASSIUM CHLORATE SPECIALLY PURE	G00983
Chemical formula	$KClO_3$; $ClKO_3$
CAS	3811-04-9
UN number	UN 1485
EINECS	233-289-7
Molecular Weight	122,55 g/mol
Appearance	colourless, shiny crystals
Assay	min. 99,5 %
Substances insoluble in water	max. 0,005 %
Nitrogen (N)	max. 0,0005 %
Bromate (BrO3)	max. 0,005 %
Chlorides (Cl)	max. 0,002 %
Sulfates (SO4)	max. 0,002 %
Heavy metals (as Pb)	max. 0,0005 %
Arsenic (As)	max. 0,00005 %
Magnesium (Mg)	max. 0,001 %
Sodium (Na)	max. 0,005 %
Calcium (Ca)	max. 0,002 %
Iron (Fe)	max. 0,0003 %
O, Xn, N, R: 9-20/22-51/53	



POTASSIUM CHLORIDE PURE P.A.	A00984
Chemical formula	KCl
CAS	7447-40-7
EINECS	231-211-8
Molecular Weight	74,56 g/mol
Appearance	white, crystalline powder
Assay	min. 99,5 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 5,5 max. 8
Nitrogen (N)	max. 0,001 %
Bromides (Br)	max. 0,005 %
Phosphates (PO4)	max. 0,0005 %
Iodides (I)	max. 0,002 %
Sulfates (SO4)	max. 0,002 %
Heavy metals (as Pb)	max. 0,0005 %
Barium (Ba)	max. 0,001 %
Magnesium (Mg)	max. 0,001 %
Sodium (Na)	max. 0,2 %
Calcium (Ca)	max. 0,001 %
Iron (Fe)	max. 0,0002 %

POTASSIUM CHROMATE PURE	G00985
Chemical formula	K_2CrO_4
CAS	7789-00-6
UN number	UN 3288
EINECS	232-140-5
Molecular Weight	194,2 g/mol
Appearance	lemon-yellow crystals
Assay	min. 99 %
Substances insoluble in water	max. 0,01 %
pH (5%, H2O)	min. 8,5 max. 10
Chlorides (Cl)	max. 0,005 %
Sulfates (SO4)	max. 0,05 %
Copper (Cu)	max. 0,002 %
Lead (Pb)	max. 0,01 %
Calcium (Ca)	max. 0,01 %
Iron (Fe)	max. 0,01 %
T, N, R: 49-46-36/37/38-43-50/53	

POTASSIUM CHROMATE PURE P.A.	A00985
Chemical formula	K_2CrO_4
CAS	7789-00-6
UN number	UN 3288
EINECS	232-140-5
Molecular Weight	194,2 g/mol
Appearance	lemon-yellow crystals
Assay	min. 99,5 %
Substances insoluble in water	max. 0,004 %
pH (5%, H2O)	min. 8,5 max. 10
Chlorides (Cl)	max. 0,003 %
Sulfates (SO4)	max. 0,025 %
Copper (Cu)	max. 0,001 %
Lead (Pb)	max. 0,005 %
Calcium (Ca)	max. 0,007 %
Iron (Fe)	max. 0,005 %
T, N, R: 49-46-36/37/38-43-50/53	

POTASSIUM CYANIDE PURE	G00986
Chemical formula	KCN
CAS	151-50-8
UN number	UN 1680
EINECS	205-792-3
Molecular Weight	65,12 g/mol
Assay (argentometry)	min. 96 %
Substances insoluble in water	max. 0,02 %
Chlorides (Cl)	max. 0,1 %
Phosphates (PO4)	max. 0,02 %
Rhodanates (SCN)	max. 0,05 %
Sulfates (SO4)	max. 0,05 %
Sulfides (S)	max. 0,005 %
Zinc (Zn)	max. 0,05 %
Lead (Pb)	max. 0,001 %
Sodium (Na)	max. 0,5 %
Iron (Fe)	max. 0,05 %
T+, N, R: 26/27/28-32-50/53	

POTASSIUM DICHROMATE PURE P.A.	A00990
Chemical formula	$K_2Cr_2O_7$
CAS	7778-50-9
UN number	UN 3288
EINECS	231-906-6
Molecular Weight	294,19 g/mol
Appearance	orange crystals
Assay	min. 99,5 %
Substances insoluble in water	max. 0,005 %
Substances precipitating by NH4OH	max. 0,02 %
Chlorides (Cl)	max. 0,005 %
Sulfates (SO4)	max. 0,02 %
Calcium (Ca)	max. 0,01 %
O,T+, N, R: 45-46-60-61-8-21-25-26-34-42/43-48/23-50/53	

POTASSIUM DIHYDROGEN PHOSPHATE PURE	G00992
Chemical formula	KH_2PO_4
CAS	7778-77-0
EINECS	231-913-4
Molecular Weight	136,09 g/mol
Appearance	colourless crystals
Assay	min. 98 %
Loss on drying	max. 1 %
Substances insoluble in water	max. 0,02 %
pH (5%, H2O)	min. 4,2 max. 4,6
Nitrogen (N)	max. 0,005 %
Chlorides (Cl)	max. 0,002 %
Sulfates (SO4)	max. 0,01 %
Heavy metals (as Pb)	max. 0,002 %
Arsenic (As)	max. 0,0002 %
Iron (Fe)	max. 0,003 %

POTASSIUM DIHYDROGEN PHOSPHATE PURE P.A.	A00992
Chemical formula	KH_2PO_4
CAS	7778-77-0
EINECS	231-913-4
Molecular Weight	136,09 g/mol
Appearance	colourless crystals
Assay	min. 99,5 %
Loss on drying	max. 0,2 %
Substances insoluble in water	max. 0,01 %
pH (5%, H2O)	min. 4,3 max. 4,6
Nitrogen (N)	max. 0,001 %
Chlorides (Cl)	max. 0,0005 %
Sulfates (SO4)	max. 0,002 %
Heavy metals (as Pb)	max. 0,001 %
Arsenic (As)	max. 0,0001 %
Sodium (Na)	max. 0,02 %
Iron (Fe)	max. 0,001 %

POTASSIUM FLUORIDE ANHYDROUS PURE P.A.	A00994
Chemical formula	KF
CAS	7789-23-3
UN number	UN 1812
EINECS	232-151-5
Molecular Weight	58,1 g/mol
Appearance	colourless or white, crystalline powder
Assay	min. 99 %
Loss on drying	max. 0,5 %
Substances insoluble in water	max. 0,05 %
Free acids (as HF)	max. 0,01 %
Free alkalies (as K2CO3)	max. 0,05 %
Chlorides (Cl)	max. 0,002 %
Sulfates (SO4)	max. 0,01 %
Sulfites (SO3)	max. 0,005 %
Heavy metals (as Pb)	max. 0,003 %
Silicon (Si)	max. 0,1 %
Iron (Fe)	max. 0,002 %
T, R: 23/24/25	

POTASSIUM HEXACHLOROPLATINATE(IV) PURE — G00997

Chemical formula	K_2PtCl_6
CAS	16921-30-5
UN number	UN 3288
EINECS	240-979-3
Molecular Weight	485,9946 g/mol
Appearance	yellow or orange-yellow crystals or powder
Assay (Pt)	min. 39,8 %

T, R: 25-41-42/43

POTASSIUM HYDROXIDE PURE — G01033

Chemical formula	KOH
CAS	1310-58-3
UN number	UN 1813
EINECS	215-181-3
Molecular Weight	56,11 g/mol
Appearance	white or nearly white granules or flakes
Assay	min. 85 %
Nitrogen (N)	max. 0,001 %
Chlorides (Cl)	max. 0,01 %
Phosphates (PO4)	max. 0,003 %
Silicon dioxide (SiO2)	max. 0,01 %
Sulfates (SO4)	max. 0,005 %
Carbonates (as K2CO3)	max. 1,5 %
Heavy metals (as Pb)	max. 0,002 %
Aluminium (Al)	max. 0,01 %
Calcium (Ca)	max. 0,003 %
Iron (Fe)	max. 0,001 %

C, R: 22-35

POTASSIUM IODIDE PURE — G01006

Chemical formula	KI
CAS	7681-11-0
EINECS	231-659-4
Molecular Weight	166,01 g/mol
Appearance	colourless crystals
Assay (calculated on dried substance)	min. 99,5 %
Moisture	max. 0,6 %
Substances insoluble in water	max. 0,02 %
Chlorides and Bromides (as Cl)	max. 0,1 %
Iodates and Iodine (as IO3)	max. 0,01 %
Sulfates (SO4)	max. 0,01 %
Heavy metals (as Pb)	max. 0,001 %
Magnesium (Mg)	max. 0,005 %
Sodium (Na)	max. 0,2 %
Calcium (Ca)	max. 0,01 %
Iron (Fe)	max. 0,001 %

POTASSIUM HYDROGEN PHTHALATE PURE P.A. — A01027

Chemical formula	$C_8H_5KO_4$
CAS	877-24-7
EINECS	212-889-4
Molecular Weight	204,23 g/mol
Appearance	white, crystalline powder
Assay	min. 99,5 max. 100,1 %
Loss on drying	max. 0,05 %
Substances insoluble in water	max. 0,005 %
pH (1%, H2O)	min. 3,9 max. 4,1
Chlorides (Cl)	max. 0,002 %
Sulfates (SO4)	max. 0,005 %
Copper (Cu)	max. 0,0005 %
Lead (Pb)	max. 0,0005 %
Iron (Fe)	max. 0,0005 %

POTASSIUM HYDROXIDE PURE P.A. — A01033

Chemical formula	KOH
CAS	1310-58-3
UN number	UN 1813
EINECS	215-181-3
Molecular Weight	56,11 g/mol
Appearance	white or nearly white granules or flakes
Assay	min. 85 %
Nitrogen (N)	max. 0,001 %
Chlorides (Cl)	max. 0,004 %
Phosphates (PO4)	max. 0,001 %
Silicon dioxide (SiO2)	max. 0,005 %
Sulfates (SO4)	max. 0,002 %
Carbonates (as K2CO3)	max. 1,5 %
Heavy metals (as Pb)	max. 0,001 %
Barium (Ba)	max. 0,0005 %
Zinc (Zn)	max. 0,0005 %
Aluminium (Al)	max. 0,001 %
Cadmium (Cd)	max. 0,0005 %
Cobalt (Co)	max. 0,0005 %
Magnesium (Mg)	max. 0,0005 %
Manganese (Mn)	max. 0,0005 %
Copper (Cu)	max. 0,0005 %
Nickel (Ni)	max. 0,0005 %
Lead (Pb)	max. 0,001 %
Silver (Ag)	max. 0,0005 %
Strontium (Sr)	max. 0,0005 %
Calcium (Ca)	max. 0,001 %
Iron (Fe)	max. 0,0005 %

C, R: 22-35

POTASSIUM IODIDE PURE P.A. — A01006

Chemical formula	KI
CAS	7681-11-0
EINECS	231-659-4
Molecular Weight	166,01 g/mol
Appearance	colourless crystals
Assay (calculated on dried substance)	min. 99,5 %
Moisture	max. 0,1 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 6 max. 8
Nitrogen (N)	max. 0,001 %
Chlorides and Bromides (as Cl)	max. 0,01 %
Phosphates (PO4)	max. 0,001 %
Iodates (IO3)	max. 0,0003 %
Sulfates (SO4)	max. 0,001 %
Heavy metals (as Pb)	max. 0,0005 %
Arsenic (As)	max. 0,00001 %
Magnesium (Mg)	max. 0,001 %
Sodium (Na)	max. 0,05 %
Calcium (Ca)	max. 0,001 %
Iron (Fe)	max. 0,0003 %

POTASSIUM HYDROGEN SULFATE PURE P.A. — A01028

Chemical formula	$KHSO_4$
CAS	7646-93-7
UN number	UN 2509
EINECS	231-594-1
Molecular Weight	136,17 g/mol
Appearance	colourless, transparent crystals
Assay	min. 98,5 max. 102 %
Substances insoluble in water	max. 0,005 %
Nitrogen (N)	max. 0,001 %
Chlorides (Cl)	max. 0,001 %
Phosphates (PO4)	max. 0,001 %
Heavy metals (as Pb)	max. 0,0005 %
Aluminium (Al)	max. 0,002 %
Magnesium (Mg)	max. 0,0005 %
Sodium (Na)	max. 0,02 %
Calcium (Ca)	max. 0,002 %
Iron (Fe)	max. 0,001 %

C, R: 34-37

POTASSIUM IODATE PURE P.A. — A01003

Chemical formula	KIO_3
CAS	7758-05-6
UN number	UN 1479
EINECS	231-831-9
Molecular Weight	214,00 g/mol
Appearance	white, crystalline powder
Assay	min. 99,8 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 5 max. 8
Loss on drying (130°C)	max. 0,05 %
Nitrogen (N)	max. 0,002 %
Chlorides and Chlorates (as Cl)	max. 0,02 %
Iodides (I)	max. 0,002 %
Sulfates (SO4)	max. 0,005 %
Copper and Lead (Cu+Pb)	max. 0,001 %
Sodium (Na)	max. 0,002 %
Iron (Fe)	max. 0,001 %

O, Xi, R: 8-41

POTASSIUM NITRATE PURE P.A. — A00976

Chemical formula	KNO_3
CAS	7757-79-1
UN number	UN 1486
EINECS	231-818-8
Molecular Weight	101,11 g/mol
Appearance	white, fine crystalline powder
Assay (on dried substance)	min. 99 %
Water	max. 0,2 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 5,5 max. 8
Nitrite (NO2)	max. 0,0005 %
Chlorides (Cl)	max. 0,001 %
Phosphates (PO4)	max. 0,0003 %
Iodates (IO3)	max. 0,0005 %
Sulfates (SO4)	max. 0,003 %
Ammonia salts (NH4)	max. 0,005 %
Zinc (Zn)	max. 0,001 %
Magnesium (Mg)	max. 0,001 %
Copper (Cu)	max. 0,001 %
Lead (Pb)	max. 0,001 %
Sodium (Na)	max. 0,02 %
Calcium (Ca)	max. 0,002 %
Iron (Fe)	max. 0,0002 %

O, R: 8

POTASSIUM PERMANGANATE (ACS) PURE P.A. — A01009

Chemical formula	$KMnO_4$
CAS	7722-64-7
UN number	UN 1490
EINECS	231-760-3
Molecular Weight	158,04 g/mol
Appearance	dark-violet crystals
Assay	min. 99,5 %
Substances insoluble in water	max. 0,1 %
Insoluble impurities (without MnO2)	max. 0,01 %
Nitrogen (N)	max. 0,005 %
Chlorides (Cl)	max. 0,005 %
Sulfates (SO4)	max. 0,005 %
Copper (Cu)	max. 0,001 %
Lead (Pb)	max. 0,002 %
Iron (Fe)	max. 0,005 %

O, Xn, N, R: 8-22-50/53

POTASSIUM PERMANGANATE PURE — G01009

Chemical formula	$KMnO_4$
CAS	7722-64-7
UN number	UN 1490
EINECS	231-760-3
Molecular Weight	158,04 g/mol
Appearance	dark-violet crystals
Assay	min. 99 %
Substances insoluble in water	max. 1 %
Insoluble impurities (without MnO2)	max. 0,03 %
Nitrogen (N)	max. 0,01 %
Chlorides (Cl)	max. 0,01 %
Sulfates (SO4)	max. 0,04 %

O, Xn, N, R: 8-22-50/53

POTASSIUM PYROSULFITE PURE P.A. — A01014

Chemical formula	$K_2S_2O_5$
CAS	16731-55-8
EINECS	240-795-3
Molecular Weight	222,33 g/mol
Appearance	white, crystalline powder
Assay	min. 96 %
Substances insoluble in water	max. 0,005 %
Chlorides (Cl)	max. 0,005 %
Phosphates (PO4)	max. 0,0002 %
Thiosulfates (S2O3)	max. 0,05 %
Arsenic (As)	max. 0,0001 %
Copper (Cu)	max. 0,001 %
Nickel (Ni)	max. 0,001 %
Lead (Pb)	max. 0,001 %
Iron (Fe)	max. 0,001 %

Xi, R: 31-37-41

POTASSIUM SODIUM TARTRATE TETRAHYDRATE PURE P.A. — A01019

Chemical formula	$C_4H_4KNaO_6 \cdot 4H_2O$
CAS	6381-59-5
EINECS	205-698-2
Molecular Weight	282,23 g/mol
Appearance	colourless crystals or white powder
Assay	min. 99 max. 102 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 6 max. 8,7
Reducing substances	passes test
Chlorides (Cl)	max. 0,001 %
Sulfates (SO4)	max. 0,01 %
Ammonia salts (NH4)	max. 0,002 %
Heavy metals (as Pb)	max. 0,0005 %
Calcium (Ca)	max. 0,002 %
Iron (Fe)	max. 0,0005 %

POTASSIUM SULFATE PURE P.A. — A01017

Chemical formula	K_2SO_4
CAS	7778-80-5
EINECS	231-915-5
Molecular Weight	174,27 g/mol
Appearance	white or colourless, transparent crystals
Assay	min. 99 %
Substances insoluble in water	max. 0,01 %
pH (5%, H2O)	min. 5,5 max. 8
Nitrogen (N)	max. 0,001 %
Chlorides (Cl)	max. 0,001 %
Heavy metals (as Pb)	max. 0,001 %
Arsenic (As)	max. 0,0001 %
Zinc (Zn)	max. 0,0005 %
Cadmium (Cd)	max. 0,0005 %
Magnesium (Mg)	max. 0,002 %
Copper (Cu)	max. 0,0005 %
Sodium (Na)	max. 0,02 %
Calcium (Ca)	max. 0,005 %
Iron (Fe)	max. 0,0005 %

SELENIUM MIXTURE FOR DETERMINATION OF NITROGEN — X01117

Appearance	grey-blue or grey-brown crystalline powder
Nitrogen (N)	max. 0,002 %

T+, N, R: 26/27/28-33-51/53

SILICA GEL NARROW POROUS PART.SIZE 1-4 MM WITH MOISTURE IDICATOR - DRYING BAGS — X01369

Bulk density	min. 650 max. 850 g/l
Moisture (150°C, 3h)	max. 2 %
Ability of water adsorption (24 hours at 80% relative humidity)	min. 20 %
Granulation	1 ÷ 4 mm

T, R: 49

SILICA GEL NARROW POROUS PARTICLE SIZE 1-4 MM WITH MOISTURE INDICATOR — X03141

Bulk density	min. 650 max. 850 g/l
Moisture (150°C, 3h)	max. 1 %
Ability of water adsorption (24 hours at 80% relative humidity)	min. 20 %
Granulation	1 ÷ 4 mm

T, R: 49

SILICA GEL WIDE POROUS PARTICLE SIZE 2-7 MM — X01367

Chemical formula	SiO_2
CAS	7631-86-9
EINECS	231-545-4
Molecular Weight	60,09 g/mol
Bulk density	min. 500 max. 650 g/l
Moisture (150°C, 3h)	max. 2 %
Ability of water adsorption (24 hours at 80% relative humidity)	min. 5 %
Granulation	2 ÷ 7 mm

SILICON DIOXIDE PURE P.A. — A00561

Chemical formula	SiO_2
CAS	7631-86-9
EINECS	231-545-4
Molecular Weight	60,08 g/mol
Appearance	white, crystalline powder
Assay	min. 96,5 %
pH 10 % of water suspension	min. 4 max. 7
Non-volatile residue with HF (as SO4)	max. 0,3 %
Loss on ignition	max. 3 %
Nitrate (NO3)	max. 0,002 %
Chlorides (Cl)	max. 0,005 %
Copper (Cu)	max. 0,0001 %
Iron (Fe)	max. 0,005 %

SILVER ACETATE PURE — G01253

Chemical formula	$AgC_2H_3O_2$
CAS	563-63-3
EINECS	209-254-9
Molecular Weight	166,92 g/mol
Appearance	white crystals or crystalline powder
Assay	min. 99 %
Substances insoluble in HNO3	max. 0,05 %
Substances not precipitated by HCl	max. 0,1 %
Nitrogen (N)	max. 0,01 %

Xi, R: 36

SILVER BROMIDE PURE — G01244

Chemical formula	AgBr
Density	6,473 g/cm³
Molecular Weight	187,77 g/mol
Appearance	pale yellow powder
Assay	min. 99 %
Loss of mass after drying	max. 0,05 %

SILVER CHLORIDE PURE — G01245

Chemical formula	AgCl
CAS	7783-90-6
EINECS	232-033-3
Molecular Weight	143,32 g/mol
Appearance	white amorphous powder
Assay	min. 99 %
Moisture	max. 0,9 %
Substances soluble in water	max. 0,02 %
Reaction	passes test

SILVER NITRATE PURE — G01242

Chemical formula	$AgNO_3$
CAS	7761-88-8
UN number	UN 1493
EINECS	231-853-9
Molecular Weight	169,87 g/mol
Appearance	colourless white crystals, white powder
Assay	min. 99,9 %
Moisture	max. 0,06 %
Substances insoluble in water	max. 0,01 %
Substances not precipitated by HCl	max. 0,06 %
Chlorides (Cl)	max. 0,001 %
Sulfates (SO4)	max. 0,01 %
Lead, copper, zinc (Pb+Cu+Zn)	max. 0,005 %
Iron (Fe)	max. 0,001 %

C, N, R: 34-50/53

SILVER NITRATE PURE P.A. — A01242

Chemical formula	$AgNO_3$
Density	500 g/cm³
CAS	7761-88-8
UN number	UN 1493
EINECS	231-853-9
Molecular Weight	169,87 g/mol
Appearance	colourless white crystals, white powder
Assay	min. 99,9 %
Moisture	max. 0,06 %
Substances insoluble in water	max. 0,005 %
Substances not precipitated by HCl	max. 0,04 %
Chlorides (Cl)	max. 0,0005 %
Sulfates (SO4)	max. 0,005 %
Lead, copper, zinc (Pb+Cu+Zn)	max. 0,002 %
Iron (Fe)	max. 0,0005 %

C, N, R: 34-50/53

SILVER SULFATE PURE P.A. — A01254

Chemical formula	Ag_2SO_4
CAS	10294-26-5
EINECS	233-653-7
Molecular Weight	311,79 g/mol
Appearance	white crystals or white powder
Assay	min. 99,8 %
Substances insoluble in dilute HNO3	max. 0,02 %
Substances not precipitated by HCl	max. 0,03 %
Nitrate (NO3)	max. 0,005 %
Chlorides (Cl)	max. 0,001 %
Lead, copper, zinc (Pb+Cu+Zn)	max. 0,002 %
Iron (Fe)	max. 0,001 %

Xi, R: 41

SODIUM ACETATE ANHYDROUS (ACS) PURE P.A. — A01183

Chemical formula	$C_2H_3NaO_2$
CAS	127-09-3
EINECS	204-823-8
Molecular Weight	82,03 g/mol
Appearance	white, hygroscopic powder
Assay	min. 99 %
Substances insoluble in water	max. 0,01 %
pH (5%, H2O)	min. 7 max. 9,2
Loss on drying (120°C)	max. 1 %
Chlorides (Cl)	max. 0,002 %
Phosphates (PO4)	max. 0,0005 %
Sulfates (SO4)	max. 0,002 %
Heavy metals (as Pb)	max. 0,001 %
Aluminium (Al)	max. 0,001 %
Zinc (Zn)	max. 0,0005 %
Magnesium (Mg)	max. 0,0005 %
Copper (Cu)	max. 0,0005 %
Lead (Pb)	max. 0,0005 %
Potassium (K)	max. 0,03 %
Calcium (Ca)	max. 0,001 %
Iron (Fe)	max. 0,0005 %

SODIUM ACETATE TRIHYDRATE (ACS) PURE P.A. — A01182

Chemical formula	$C_2H_3NaO_2 \cdot 3\,H_2O$
CAS	6131-90-4
EINECS	204-823-8
Molecular Weight	136,08 g/mol
Appearance	colourless, transparent crystals
Assay	min. 99 max. 101 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 7,5 max. 9,2
Substances reducing KMnO4 (as HCOOH)	max. 0,005 %
Chlorides (Cl)	max. 0,001 %
Phosphates (PO4)	max. 0,0005 %
Sulfates (SO4)	max. 0,002 %
Heavy metals (as Pb)	max. 0,0005 %
Arsenic (As)	max. 0,00005 %
Zinc (Zn)	max. 0,0005 %
Aluminium (Al)	max. 0,0005 %
Magnesium (Mg)	max. 0,0005 %
Copper (Cu)	max. 0,0005 %
Lead (Pb)	max. 0,0005 %
Potassium (K)	max. 0,005 %
Calcium (Ca)	max. 0,001 %
Iron (Fe)	max. 0,0005 %

SODIUM CARBONATE ANHYDROUS PURE	G01209
Chemical formula	Na_2CO_3
CAS	497-19-8
EINECS	207-838-8
Molecular Weight	105,99 g/mol
Appearance	white, crystalline powder
Assay	min. 99,5 %
Substances insoluble in water	max. 0,02 %
Loss on ignition	max. 1 %
Chlorides (Cl)	max. 0,015 %
Phosphates (PO4)	max. 0,005 %
Sulfur total (as SO4)	max. 0,01 %
Heavy metals (as Pb)	max. 0,001 %
Arsenic (As)	max. 0,0002 %
Magnesium (Mg)	max. 0,01 %
Potassium (K)	max. 0,04 %
Calcium (Ca)	max. 0,02 %
Iron (Fe)	max. 0,001 %
Xi, R: 36	

SODIUM CARBONATE ANHYDROUS PURE P.A.	A01209
Chemical formula	Na_2CO_3
CAS	497-19-8
EINECS	207-838-8
Molecular Weight	105,99 g/mol
Appearance	white, crystalline powder
Assay	min. 99,8 %
Substances insoluble in water	max. 0,01 %
Loss on ignition	max. 0,5 %
Nitrogen (N)	max. 0,001 %
Chlorides (Cl)	max. 0,001 %
Phosphates (PO4)	max. 0,002 %
Silicates (as SiO2)	max. 0,003 %
Sulfur total (as SO4)	max. 0,003 %
Arsenic (As)	max. 0,00005 %
Aluminium (Al)	max. 0,003 %
Magnesium (Mg)	max. 0,005 %
Copper (Cu)	max. 0,0005 %
Lead (Pb)	max. 0,0005 %
Potassium (K)	max. 0,02 %
Calcium (Ca)	max. 0,01 %
Iron (Fe)	max. 0,0005 %
Xi, R: 36	

SODIUM CARBONATE DECAHYDRATE PURE P.A.	A01208
Chemical formula	$Na_2CO_3 . 10H_2O$
CAS	6132-02-01
EINECS	207-838-8
Molecular Weight	286,14 g/mol
Appearance	colourless crystals
Assay (after ignition)	min. 99,8 %
Substances insoluble in water	max. 0,003 %
Silicic acid (SiO2)	max. 0,001 %
Loss on ignition	min. 62,3 max. 64,2 %
Nitrogen (N)	max. 0,0005 %
Chlorides (Cl)	max. 0,001 %
Phosphates (PO4)	max. 0,0005 %
Sulfur total (as SO4)	max. 0,001 %
Heavy metals (as Pb)	max. 0,0003 %
Arsenic (As)	max. 0,00002 %
Aluminium (Al)	max. 0,001 %
Potassium (K)	max. 0,001 %
Magnesium and calcium (as Mg)	max. 0,006 %
Iron (Fe)	max. 0,0002 %
Xi, R: 36	

SODIUM CHLORIDE PURE	G01145
Chemical formula	NaCl
CAS	7647-14-5
EINECS	231-598-3
Molecular Weight	58,44 g/mol
Appearance	colourless crystals or white, crystalline powder
Assay (after ignition)	min. 99,8 %
Substances insoluble in water	max. 0,01 %
Loss on ignition	max. 1,5 %
Nitrogen (N)	max. 0,002 %
Iodides (I)	max. 0,012 %
Sulfates (SO4)	max. 0,01 %
Heavy metals (as Pb)	max. 0,001 %
Arsenic (As)	max. 0,0001 %
Barium (Ba)	max. 0,01 %
Magnesium (Mg)	max. 0,005 %
Potassium (K)	max. 0,05 %
Calcium (Ca)	max. 0,008 %
Iron (Fe)	max. 0,001 %

SODIUM CHLORIDE PURE P.A.	A01145
Chemical formula	NaCl
CAS	7647-14-5
EINECS	231-598-3
Molecular Weight	58,44 g/mol
Appearance	colourless crystals or white, crystalline powder
Assay (after ignition)	min. 99,9 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 5 max. 8
Loss on ignition	max. 1 %
Nitrogen (N)	max. 0,001 %
Iodides (I)	max. 0,008 %
Sulfates (SO4)	max. 0,003 %
Heavy metals (as Pb)	max. 0,0005 %
Arsenic (As)	max. 0,00005 %
Barium (Ba)	max. 0,003 %
Magnesium (Mg)	max. 0,002 %
Potassium (K)	max. 0,03 %
Calcium (Ca)	max. 0,004 %
Iron (Fe)	max. 0,0005 %

SODIUM DIHYDROGEN PHOSPHATE ANHYDROUS PURE P.A.	A01158
Chemical formula	NaH_2PO_4
CAS	7558-80-7
EINECS	231-449-2
Molecular Weight	120,00 g/mol
Appearance	white powder
Assay	min. 99 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 4 max. 4,5
Chlorides (Cl)	max. 0,003 %
Sulfates (SO4)	max. 0,005 %
Heavy metals (as Pb)	max. 0,002 %
Zinc (Zn)	max. 0,005 %
Copper (Cu)	max. 0,005 %
Potassium (K)	max. 0,03 %
Calcium (Ca)	max. 0,005 %
Iron (Fe)	max. 0,003 %

SODIUM DIHYDROGEN PHOSPHATE DIHYDRATE PURE P.A.	A01157
Chemical formula	$NaH_2PO_4 . 2H_2O$
CAS	13472-35-0
EINECS	231-449-2
Molecular Weight	156,01 g/mol
Appearance	colourless, fine crystals or white powder
Assay	min. 99 %
Loss on drying	min. 22,8 max. 24 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 4,1 max. 4,5
Nitrogen (N)	max. 0,002 %
Chlorides (Cl)	max. 0,001 %
Sulfates (SO4)	max. 0,005 %
Heavy metals (as Pb)	max. 0,001 %
Arsenic (As)	max. 0,0002 %
Magnesium (Mg)	max. 0,001 %
Calcium (Ca)	max. 0,005 %
Iron (Fe)	max. 0,002 %

SODIUM DIHYDROGEN PHOSPHATE MONOHYDRATE PURE P.A.	A01156
Chemical formula	$NaH_2PO_4 . H_2O$
CAS	10049-21-5
EINECS	231-449-2
Molecular Weight	137,99 g/mol
Appearance	colourless, fine crystals or white powder
Assay	min. 99 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 4,1 max. 4,5
Nitrogen (N)	max. 0,002 %
Chlorides (Cl)	max. 0,001 %
Sulfates (SO4)	max. 0,005 %
Heavy metals (as Pb)	max. 0,001 %
Arsenic (As)	max. 0,0001 %
Magnesium (Mg)	max. 0,001 %
Calcium (Ca)	max. 0,005 %
Iron (Fe)	max. 0,002 %

SODIUM FLUORIDE PURE P.A.	A01160
Chemical formula	NaF
CAS	7681-49-4
UN number	UN 1690
EINECS	231-667-8
Molecular Weight	41,99 g/mol
Appearance	white, crystalline powder
Assay	min. 99 %
Substances insoluble in water	max. 0,005 %
Loss on drying (150°C)	max. 0,2 %
Acidity (as HF)	max. 0,05 %
Alkalies (as NaOH)	max. 0,04 %
Chlorides (Cl)	max. 0,003 %
Sulfates (SO4)	max. 0,01 %
Fluosilicates (as SiF6)	max. 0,1 %
Heavy metals (as Pb)	max. 0,001 %
Copper (Cu)	max. 0,0005 %
Lead (Pb)	max. 0,001 %
Potassium (K)	max. 0,02 %
Iron (Fe)	max. 0,002 %
T, R: 25-32-36/38	

SODIUM HYDROGEN CARBONATE PURE P.A. — A01233

Chemical formula	$NaHCO_3$
CAS	144-55-8
EINECS	205-633-8
Molecular Weight	84,01 g/mol
Appearance	white, crystalline powder
Assay	min. 99,5 max. 101 %
Substances insoluble in water	max. 0,01 %
pH (5%, H2O)	min. 8 max. 8,6
Chlorides (Cl)	max. 0,01 %
Sulfur total (as SO4)	max. 0,005 %
Phosphates (PO4)	max. 0,002 %
Ammonia salts (NH4)	max. 0,001 %
Iodine reducing substances (as HCOOH)	max. 0,005 %
Arsenic (As)	max. 0,0002 %
Heavy metals (as Pb)	max. 0,0005 %
Magnesium (Mg)	max. 0,005 %
Potassium (K)	max. 0,005 %
Calcium (Ca)	max. 0,005 %
Iron (Fe)	max. 0,001 %

SODIUM HYDROGEN SELENITE PURE P.A. — A01211

Chemical formula	$NaHSeO_3$
CAS	7782-82-3
UN number	UN 2630
EINECS	231-996-3
Molecular Weight	150,96 g/mol
Appearance	white or pale yellowish crystals or powder
Assay Se (IV)	min. 52 %
Moisture	max. 1 %
Chlorides (Cl)	max. 0,01 %
Sulfate and selenate (as SO4)	max. 0,01 %
Antimony (Sb)	max. 0,005 %
Arsenic (As)	max. 0,05 %
Copper (Cu)	max. 0,01 %
Lead (Pb)	max. 0,02 %
Calcium (Ca)	max. 0,01 %
Iron (Fe)	max. 0,005 %

T, N, R: 23/25-33-50/53

SODIUM HYDROXIDE MICROGRANULAR PURE — G02473

Chemical formula	NaOH
Density	2,13 g/cm^3
CAS	1310-73-2
UN number	UN 1823
EINECS	215-185-5
Molecular Weight	40 g/mol
Appearance	white, homogenous microgranules
Assay	min. 98 %
Sodium carbonate	max. 1 %
Nitrogen (N)	max. 0,0007 %
Chlorides (Cl)	max. 0,015 %
Phosphates (PO4)	max. 0,002 %
Silicon dioxide (SiO2)	max. 0,008 %
Sulfates (SO4)	max. 0,005 %
Heavy metals (as Pb)	max. 0,002 %
Aluminium (Al)	max. 0,002 %
Calcium (Ca)	max. 0,005 %
Iron (Fe)	max. 0,0015 %

C, R: 35

SODIUM HYDROXIDE MICROPILLS PURE P.A. — A02473

Chemical formula	NaOH
CAS	1310-73-2
UN number	UN 1823
EINECS	215-185-5
Molecular Weight	40,00 g/mol
Appearance	white, homogenous microgranules
Assay	min. 98,8 %
Sodium carbonate	max. 0,7 %
Nitrogen (N)	max. 0,0005 %
Chlorides (Cl)	max. 0,005 %
Phosphates (PO4)	max. 0,001 %
Silicon dioxide (SiO2)	max. 0,005 %
Sulfates (SO4)	max. 0,003 %
Heavy metals (as Pb)	max. 0,001 %
Barium (Ba)	max. 0,0005 %
Zinc (Zn)	max. 0,0005 %
Aluminium (Al)	max. 0,001 %
Cadmium (Cd)	max. 0,0005 %
Cobalt (Co)	max. 0,0005 %
Magnesium (Mg)	max. 0,0005 %
Manganese (Mn)	max. 0,0005 %
Copper (Cu)	max. 0,0005 %
Nickel (Ni)	max. 0,0005 %
Lead (Pb)	max. 0,0005 %
Silver (Ag)	max. 0,0005 %
Strontium (Sr)	max. 0,0005 %
Calcium (Ca)	max. 0,001 %
Iron (Fe)	max. 0,0005 %

C, R: 35

SODIUM IODIDE PURE P.A. — A01168

Chemical formula	NaI
CAS	7681-82-5
EINECS	231-679-3
Molecular Weight	149,89 g/mol
Appearance	colourless crystals
Assay (on dried substance)	min. 99 %
Substances insoluble in water	max. 0,005 %
Alkalinity (Na2CO3)	max. 0,025 %
Chlorides and Bromides (as Cl)	max. 0,05 %
Nitrogen (N)	max. 0,001 %
Iodates (IO3)	max. 0,005 %
Sulfates (SO4)	max. 0,003 %
Arsenic (As)	max. 0,0005 %
Barium (Ba)	max. 0,002 %
Magnesium (Mg)	max. 0,001 %
Heavy metals (as Pb)	max. 0,0005 %
Calcium (Ca)	max. 0,002 %
Iron (Fe)	max. 0,0005 %
Moisture	max. 5 %

SODIUM MOLYBDATE DIHYDRATE PURE P.A. — A01174

Chemical formula	$Na_2MoO_4 \cdot 2H_2O$
CAS	10102-40-6
EINECS	231-551-7
Molecular Weight	241,95 g/mol
Appearance	colourless crystals or crystalline powder
Assay	min. 99,5 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 7 max. 10,5
Chlorides (Cl)	max. 0,005 %
Phosphates (PO4)	max. 0,001 %
Sulfates (SO4)	max. 0,005 %
Heavy metals (as Pb)	max. 0,001 %
Ammonia salts (NH4)	max. 0,001 %
Iron (Fe)	max. 0,001 %

SODIUM NITRATE PURE P.A. — A01136

Chemical formula	$NaNO_3$
CAS	7631-99-4
UN number	UN 1498
EINECS	231-554-3
Molecular Weight	84,99 g/mol
Appearance	white, fine crystalline powder
Assay (on dried substance)	min. 99,5 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 5 max. 7,5
Water	max. 1 %
Nitrite (NO2)	max. 0,0002 %
Chlorides (Cl)	max. 0,0005 %
Chlorates and Perchlorates (Cl)	max. 0,003 %
Phosphates (PO4)	max. 0,0002 %
Sulfates (SO4)	max. 0,003 %
Ammonia salts (NH4)	max. 0,002 %
Heavy metals (as Pb)	max. 0,0005 %
Magnesium (Mg)	max. 0,001 %
Potassium (K)	max. 0,005 %
Calcium (Ca)	max. 0,002 %
Iron (Fe)	max. 0,0002 %

O, Xn, R: 8-22-36

SODIUM NITROPRUSSIDE DIHYDRATE (ACS) PURE P.A. — A01181

Chemical formula	$Na_2Fe(CN)_5NO \cdot 2H_2O$
CAS	13755-38-9
UN number	UN 1588
EINECS	238-373-9
Molecular Weight	297,95 g/mol
Appearance	dark-red crystals
Assay	min. 99 %
Substances insoluble in water	max. 0,005 %
Sulfates (SO4)	max. 0,005 %
Chlorides (Cl)	max. 0,01 %
Hexacyanoferrates(III)	max. 0,02 %
Hexacyanoferrates(II)	max. 0,02 %

T, R: 25

SODIUM SALICYLATE PURE P.A.	A01194
Chemical formula	$C_7H_5NaO_3$
CAS	54-21-7
EINECS	200-198-0
Molecular Weight	160,11 g/mol
Assay	min. 99 %
Loss on drying (110°C)	max. 0,5 %
Chlorides (Cl)	max. 0,002 %
Sulfates (SO4)	max. 0,02 %
Heavy metals (as Pb)	max. 0,001 %

Xn, R: 22-36

SODIUM SULFATE ANHYDROUS PURE	G01200
Chemical formula	Na_2SO_4
CAS	7757-82-6
EINECS	231-820-9
Molecular Weight	142,04 g/mol
Appearance	colourless, crystalline powder
Assay	min. 99 %
Substances insoluble in water	max. 0,02 %
pH (5%, H2O)	min. 5,2 max. 7,5
Loss on ignition	max. 1 %
Chlorides (Cl)	max. 0,005 %
Heavy metals (as Pb)	max. 0,0005 %
Arsenic (As)	max. 0,0002 %
Magnesium (Mg)	max. 0,002 %
Potassium (K)	max. 0,01 %
Calcium (Ca)	max. 0,01 %
Iron (Fe)	max. 0,001 %

SODIUM SULFATE ANHYDROUS PURE P.A.	A01200
Chemical formula	Na_2SO_4
CAS	7757-82-6
EINECS	231-820-9
Molecular Weight	142,04 g/mol
Appearance	white, hygroscopic powder
Assay	min. 99 %
Substances insoluble in water	max. 0,01 %
pH (5%, H2O)	min. 5,2 max. 7,5
Loss on ignition	max. 0,5 %
Nitrogen (N)	max. 0,0005 %
Chlorides (Cl)	max. 0,003 %
Phosphates (PO4)	max. 0,005 %
Heavy metals (as Pb)	max. 0,0005 %
Arsenic (As)	max. 0,0001 %
Magnesium (Mg)	max. 0,001 %
Potassium (K)	max. 0,005 %
Calcium (Ca)	max. 0,005 %
Iron (Fe)	max. 0,0005 %

SODIUM SULFITE ANHYDROUS PURE	G01190
Chemical formula	Na_2SO_3
CAS	7757-83-7
EINECS	231-821-4
Molecular Weight	126,04 g/mol
Appearance	white powder
Assay	min. 91 %
Substances insoluble in water	max. 0,02 %
Chlorides (Cl)	max. 0,02 %
Thiosulfates (S2O3)	max. 0,1 %
Carbonates (as Na2CO3)	max. 0,15 %
Arsenic (As)	max. 0,0001 %
Zinc (Zn)	max. 0,001 %
Copper (Cu)	max. 0,005 %
Lead (Pb)	max. 0,002 %
Calcium (Ca)	max. 0,01 %
Iron (Fe)	max. 0,002 %

SODIUM SULFITE ANHYDROUS PURE P.A.	A01190
Chemical formula	Na_2SO_3
CAS	7757-83-7
EINECS	231-821-4
Molecular Weight	126,04 g/mol
Appearance	white powder
Assay	min. 96 %
Substances insoluble in water	max. 0,01 %
Chlorides (Cl)	max. 0,01 %
Thiosulfates (S2O3)	max. 0,04 %
Carbonates (as Na2CO3)	max. 0,15 %
Arsenic (As)	max. 0,00004 %
Zinc (Zn)	max. 0,0005 %
Copper (Cu)	max. 0,0005 %
Lead (Pb)	max. 0,0005 %
Calcium (Ca)	max. 0,005 %
Iron (Fe)	max. 0,001 %

SODIUM THIOSULFATE ANHYDROUS PURE P.A.	A01206
Chemical formula	$Na_2S_2O_3$
CAS	7772-98-7
EINECS	231-867-5
Molecular Weight	158,11 g/mol
Appearance	white, fine granular powder
Assay	min. 99 %
Substances insoluble in water	max. 0,01 %
pH (5%, H2O)	min. 6 max. 8,5
Sulfates and sulfites (as SO4)	max. 0,1 %
Sulfides (S)	max. 0,0005 %
Heavy metals (as Pb)	max. 0,001 %
Calcium (Ca)	max. 0,01 %
Iron (Fe)	max. 0,001 %

SODIUM THIOSULFATE PENTAHYDRATE (ACS) PURE P.A.	A01205
Chemical formula	$Na_2S_2O_3 \cdot 5H_2O$
CAS	10102-17-7
EINECS	231-867-5
Molecular Weight	248,18 g/mol
Appearance	colourless crystals
Assay	min. 99,5 max. 100,5 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 6 max. 8
Nitrogen (N)	max. 0,002 %
Chlorides (Cl)	max. 0,01 %
Sulfates and sulfites (as SO4)	max. 0,05 %
Sulfides (S)	max. 0,0001 %
Heavy metals (as Pb)	max. 0,0005 %
Magnesium (Mg)	max. 0,001 %
Potassium (K)	max. 0,005 %
Calcium (Ca)	max. 0,002 %
Iron (Fe)	max. 0,0005 %

STARCH SOLUBLE PURE	G01124
Chemical formula	$(C_6H_{10}O_5)n$
CAS	9005-84-9
EINECS	232-686-4
Appearance	white or slightly cream-coloured fine powder
Solubility in water	passes test
pH (2%, H2O)	min. 5,5 max. 6,5
Sensitivity	passes test
Loss on drying	max. 15 %
Residue on ignition (as SO4)	max. 0,7 %

STARCH SOLUBLE PURE P.A.	A01124
Chemical formula	$(C_6H_{10}O_5)n$
CAS	9005-84-9
EINECS	232-686-4
Appearance	white or slightly cream-coloured fine powder
Solubility in water	passes test
pH (2%, H2O)	min. 5,5 max. 6,5
Sensitivity	passes test
Loss on drying	max. 12 %
Residue on ignition (as SO4)	max. 0,4 %
Reducing substances	passes test

SULFANILIC ACID PURE P.A. — A00704

Chemical formula	$C_6H_7NO_3S$
CAS	121-57-3
EINECS	204-482-5
Molecular Weight	173,19 g/mol
Appearance	white amorphous powder
Assay	min. 99 %
Substances insoluble in Na2CO3	max. 0,01 %
Residue on ignition (as SO4)	max. 0,01 %
Nitrite (NO2)	max. 0,0002 %
Chlorides (Cl)	max. 0,001 %
Sulfates (SO4)	max. 0,005 %
Heavy metals (as Pb)	max. 0,002 %

Xi, R: 36/38-43

TETRA-SODIUM PYROPHOSPHATE DECAHYDRATE (ACS) PURE P.A. — A01283

Chemical formula	$Na_4P_2O_7 . 10H_2O$
CAS	13472-36-1
EINECS	231-767-1
Molecular Weight	446,06 g/mol
Appearance	colourless or white crystals
Assay	min. 99 max. 101 %
Substances insoluble in water	max. 0,01 %
pH (5%, H2O)	min. 9,5 max. 10,5
Nitrogen (N)	max. 0,001 %
Chlorides (Cl)	max. 0,001 %
Phosphates (PO4)	max. 0,1 %
Sulfates (SO4)	max. 0,001 %
Heavy metals (as Pb)	max. 0,0005 %
Arsenic (As)	max. 0,0001 %
Potassium (K)	max. 0,005 %
Iron (Fe)	max. 0,0005 %

TETRA-SODIUM PYROPHOSPHATE DECAHYDRATE PURE — G01283

Chemical formula	$Na_4P_2O_7 . 10H_2O$
CAS	13472-36-1
EINECS	231-767-1
Molecular Weight	446,06 g/mol
Appearance	colourless or white crystals
Assay	min. 98,5 max. 102 %
Substances insoluble in water	max. 0,02 %
Nitrogen (N)	max. 0,002 %
Chlorides (Cl)	max. 0,003 %
Phosphates (PO4)	max. 0,3 %
Sulfates (SO4)	max. 0,005 %
Heavy metals (as Pb)	max. 0,001 %
Arsenic (As)	max. 0,0005 %
Iron (Fe)	max. 0,001 %

TIN(II) CHLORIDE DIHYDRATE PURE P.A. — A00301

Chemical formula	$SnCl_2 . 2H_2O$
CAS	10025-69-1
EINECS	231-868-0
Molecular Weight	225,63 g/mol
Appearance	colourless crystals
Assay	min. 99 %
Substances insoluble in HCl	max. 0,005 %
Sulfates (SO4)	max. 0,0025 %
Arsenic (As)	max. 0,00005 %
Heavy metals (as Pb+Cu+Zn+Co+Ni+Mn)	max. 0,01 %
Sodium, potassium, calcium (Na+K+Ca)	max. 0,01 %
Iron (Fe)	max. 0,002 %

Xn, R: 22-36/37/38-43

TIN(II) SULFATE PURE — G00306

Chemical formula	SnSO4
CAS	7488-55-3
EINECS	231-302-2
Molecular Weight	214,75 g/mol
Appearance	white or white-grey, crystalline powder
Assay	min. 97 %
Substances insoluble in HCl	max. 0,02 %
Copper (Cu)	max. 0,005 %
Lead (Pb)	max. 0,02 %
Potassium (K)	max. 0,05 %
Sodium (Na)	max. 0,05 %
Iron (Fe)	max. 0,01 %

TRIETHANOLAMINE PURE — G01304

Chemical formula	$C_6H_{15}NO_3$; $(CH_2CH_2OH)_3N$
Density	1,12 g/cm^3
CAS	102-71-6
EINECS	203-049-8
Molecular Weight	149,19 g/mol
Appearance	colourless liquid darkened on storage
Assay (acid-base titration)	min. 98 %
Density (20°C)	min. 1,12 max. 1,13 g/ml
Refractive index (20°C)	min. 1,481 max. 1,486
Water	max. 0,15 %
Residue on ignition (as SO4)	max. 0,1 %

TRIETHANOLOAMINE PURE P.A. — A01304

Chemical formula	$C_6H_{15}NO_3$; $(CH_2CH_2OH)_3N$
Density	1,12 g/cm^3
CAS	102-71-6
EINECS	203-049-8
Molecular Weight	149,19 g/mol
Appearance	colourless liquid darkened on storage
Assay (acid-base titration)	min. 99 %
Density (20°C)	min. 1,123 max. 1,128 g/ml
Refractive index (20°C)	min. 1,482 max. 1,485
Water	max. 0,1 %
Residue on ignition (as SO4)	max. 0,05 %
Chlorides (Cl)	max. 0,001 %
Heavy metals (as Pb)	max. 0,0001 %
Iron (Fe)	max. 0,0001 %

TRIETHYLAMINE ANHYDROUS PURE P.A. — A01306

Chemical formula	$C_6H_{15}N$
Density	0,73 g/cm^3
CAS	121-44-8
UN number	UN 1296
EINECS	204-469-4
Molecular Weight	101,19 g/mol
Assay	min. 99,5 %
Density (20°C)	min. 0,725 max. 0,729 g/ml
Water	max. 0,1 %
Evaporation residue	max. 0,01 %

F, C, R: 11-20/21/22-35

TRIS(HYDROXYMETHYL) AMINOMETHANE PURE P.A. — A01311

Chemical formula	$C_4H_{11}NO_3$
CAS	77-86-1
EINECS	201-064-4
Molecular Weight	121,14 g/mol
Assay	min. 99 %
Melting point	min. 168 max. 172 °C
pH (5%, H2O)	min. 10 max. 11,5
Residue on ignition (as SO4)	max. 0,05 %
Heavy metals (as Pb)	max. 0,0005 %

Xi, R: 36/38

TRI-SODIUM CITRATE DIHYDRATE (ACS) PURE P.A. — A01312

Chemical formula	$C_6H_5Na_3O_7 \cdot 2H_2O$
CAS	6132-04-3
EINECS	200-675-3
Molecular Weight	294,1 g/mol
Appearance	white or colourless, transparent crystals
Assay	min. 99 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 7 max. 9
Chlorides (Cl)	max. 0,001 %
Phosphates (PO4)	max. 0,002 %
Sulfates (SO4)	max. 0,005 %
Ammonia salts (NH4)	max. 0,001 %
Heavy metals (as Pb)	max. 0,0005 %
Arsenic (As)	max. 0,0001 %
Zinc (Zn)	max. 0,0005 %
Cadmium (Cd)	max. 0,0005 %
Copper (Cu)	max. 0,0005 %
Lead (Pb)	max. 0,0005 %
Calcium (Ca)	max. 0,005 %
Iron (Fe)	max. 0,0005 %

TRI-SODIUM PHOSPHATE DODECAHYDRATE PURE P.A. — A01313

Chemical formula	$Na_3PO_4.12\ H_2O$
CAS	10101-89-0
EINECS	231-509-8
Molecular Weight	380,18 g/mol
Appearance	colourless crystals
Assay	min. 98 %
Substances insoluble in water	max. 0,01 %
Free alkalies (as NaOH)	max. 2 %
Nitrogen (N)	max. 0,002 %
Chlorides (Cl)	max. 0,003 %
Sulfates (SO4)	max. 0,005 %
Carbonates (as Na2CO3)	passes test
Heavy metals (as Pb)	max. 0,001 %
Arsenic (As)	max. 0,00005 %
Iron (Fe)	max. 0,001 %

Xi, R: 36/38

UREA PURE P.A., — A00791

Chemical formula	CH_4N_2O; NH_2CONH_2
CAS	57-13-6
EINECS	200-315-5
Molecular Weight	60,06 g/mol
Appearance	fine, colourless crystals
Assay	min. 99,5 %
Melting point	min. 132 max. 133 °C
Substances insoluble in water	max. 0,01 %
Biuret	max. 0,1 %
Ash	max. 0,01 %
Chlorides (Cl)	max. 0,003 %
Sulfates (SO4)	max. 0,005 %
Heavy metals (as Pb)	max. 0,0005 %
Iron (Fe)	max. 0,0005 %

UROTROPINE / HEXAMETHYLENETETRAMINE/ PURE P.A. — A01330

Chemical formula	C6H12N4
CAS	100-97-0
UN number	UN 1328
EINECS	202-905-8
Molecular Weight	140,19 g/mol
Appearance	colourless crystals or white powder
Assay	min. 99 %
Substances insoluble in water	max. 0,002 %
pH (10%, H2O)	min. 8,5 max. 9,5
Residue on ignition (as SO4)	max. 0,01 %
Chlorides (Cl)	max. 0,002 %
Sulfates (SO4)	max. 0,005 %
Ammonia salts (NH4)	max. 0,005 %
Heavy metals (as Pb)	max. 0,001 %

F, Xn, R: 11-42/43

ZINC SULFATE HEPTAHYDRATE (ACS) PURE P.A. — A00298

Chemical formula	$ZnSO_4 \cdot 7H_2O$
CAS	7446-20-0
UN number	UN 3077
EINECS	231-793-3
Molecular Weight	287,54 g/mol
Appearance	colourless crystals or white powder
Assay	min. 99,5 max. 100,5 %
Substances insoluble in water	max. 0,005 %
pH (5%, H2O)	min. 4,4 max. 5,6
Nitrate (NO3)	max. 0,002 %
Ammonia salts (NH4)	max. 0,001 %
Chlorides (Cl)	max. 0,0003 %
Arsenic (As)	max. 0,0001 %
Cadmium (Cd)	max. 0,0001 %
Magnesium (Mg)	max. 0,0003 %
Manganese (Mn)	max. 0,0003 %
Copper (Cu)	max. 0,0005 %
Lead (Pb)	max. 0,001 %
Potassium (K)	max. 0,001 %
Sodium (Na)	max. 0,001 %
Calcium (Ca)	max. 0,002 %
Iron (Fe)	max. 0,0003 %

Xn, N, R: 22-41-50/53

ZINC CHLORIDE ANHYDROUS PURE P.A. — A00292

Chemical formula	ZnCl2
CAS	7646-85-7
UN number	UN 2331
EINECS	231-592-0
Molecular Weight	136,28 g/mol
Appearance	white powder
Assay	min. 98 %
Substances insoluble in dilute HCl	max. 0,005 %
Nitrogen (N)	max. 0,002 %
Sulfates (SO4)	max. 0,002 %
Oxychlorides (as ZnO)	max. 1,2 %
Cadmium (Cd)	max. 0,0005 %
Magnesium (Mg)	max. 0,001 %
Copper (Cu)	max. 0,001 %
Lead (Pb)	max. 0,001 %
Potassium (K)	max. 0,001 %
Sodium (Na)	max. 0,001 %
Calcium (Ca)	max. 0,001 %
Iron (Fe)	max. 0,0005 %

C, N, R: 22-34-50/53

ZINC SULFATE HEPTAHYDRATE PURE — G00298

Chemical formula	$ZnSO_4 \cdot 7H_2O$
CAS	7446-20-0
UN number	UN 3077
EINECS	231-793-3
Molecular Weight	287,54 g/mol
Appearance	colourless crystals or white powder
Assay	min. 99 max. 100,5 %
Substances insoluble in water	max. 0,02 %
pH (5%, H2O)	min. 4,4 max. 5,6
Nitrogen (N)	max. 0,002 %
Chlorides (Cl)	max. 0,002 %
Arsenic (As)	max. 0,0005 %
Lead (Pb)	max. 0,003 %
Potassium (K)	max. 0,005 %
Sodium (Na)	max. 0,005 %
Calcium (Ca)	max. 0,005 %
Iron (Fe)	max. 0,0005 %

Xn, N, R: 22-41-50/53

ACIDS

Labscan labelled acids cover many important industrial requirements, including a large-scale manufacturing and production of ingredients used in food industry, fertilizer manufacturing, oil refining, wastewater processing, chemical synthesis etc.
The acids are offered with an absolute guarantee of the highest quality.

ACETIC ACID 80% PURE — G00652

Chemical formula	$C_2H_4O_2$; CH_3COOH
Density	1,07 g/cm^3
CAS	64-19-7
UN number	UN 2790
EINECS	200-580-7
Molecular Weight	60,05 g/mol
Appearance	colourless, clear liquid
Assay	min. 78,5 max. 80 %
Dilution test	passes test
Evaporation residue	max. 0,005 %
Chlorides (Cl)	max. 0,0004 %
Sulfates (SO4)	max. 0,0005 %
Heavy metals (as Pb)	max. 0,0002 %
Iron (Fe)	max. 0,0005 %

C, R: 34

ACETIC ACID MIN.99,5% PURE P.A. — A00654

Chemical formula	$C_2H_4O_2$; CH_3COOH
Density	1,05 g/cm^3
CAS	64-19-7
UN number	UN 2789
EINECS	200-580-7
Molecular Weight	60,05 g/mol
Appearance	colourless, clear liquid
Assay	min. 99,5 %
Density (20°C)	min. 1,049
	max. 1,052 g/ml
Acetic aldehyde (CH3CHO)	max. 0,01 %
Evaporation residue	max. 0,002 %
Substances reducing KMnO4 (as HCOOH)	max. 0,02 %
Chlorides (Cl)	max. 0,0001 %
Sulfates (SO4)	max. 0,0002 %
Heavy metals (as Pb)	max. 0,0001 %
Iron (Fe)	max. 0,00006 %

C, R: 10-35

ACETIC ACID PURE P.A. — A00652

Chemical formula	$C_2H_4O_2$; CH_3COOH
Density	1,07 g/cm^3
CAS	64-19-7
UN number	UN 2790
EINECS	200-580-7
Molecular Weight	60,05 g/mol
Appearance	colourless, clear liquid
Assay	min. 78,5 max. 80 %
Aldehydes (as CH3CHO)	max. 0,01 %
Formic acid (HCOOH)	max. 0,03 %
Dilution test	passes test
Evaporation residue	max. 0,002 %
Substances reducing KMnO4 (as HCOOH)	max. 0,01 %
Chlorides (Cl)	max. 0,0002 %
Sulfates (SO4)	max. 0,0003 %
Heavy metals (as Pb)	max. 0,0001 %
Iron (Fe)	max. 0,0001 %

C, R: 34

ACETIC ANHYDRIDE (ACS) PURE P.A. — A00840

Chemical formula	$(CH_3CO)_2O$
Density	1,08 g/cm^3
CAS	108-24-7
UN number	UN 1715
EINECS	203-564-8
Molecular Weight	102,09 g/mol
Appearance	colourless, clear liquid
Assay	min. 98 %
Density (20°C)	min. 1,079
	max. 1,082 g/ml
Evaporation residue	max. 0,003 %
Substances reducing KMnO4 (as O)	max. 0,015 %
Chlorides (Cl)	max. 0,0001 %
Phosphates (PO4)	max. 0,0005 %
Sulfates (SO4)	max. 0,0002 %
Heavy metals (as Pb)	max. 0,0001 %
Iron (Fe)	max. 0,00005 %

C, R: 10-20/22-34

BORIC ACID (ACS) PURE P.A. — A00590

Chemical formula	H_3BO_3
CAS	10043-35-3
EINECS	233-139-2
Molecular Weight	61,83 g/mol
Appearance	colourless crystals or white, crystalline powder
Assay	min. 99,5 %
Substances insoluble in water	max. 0,01 %
Substances insoluble in ethanol	passes test
Non-volatile substances with methanol	max. 0,05 %
Chlorides (Cl)	max. 0,0003 %
Phosphates (PO4)	max. 0,001 %
Sulfates (SO4)	max. 0,005 %
Heavy metals (as Pb)	max. 0,001 %
Arsenic (As)	max. 0,0001 %
Calcium (Ca)	max. 0,005 %
Iron (Fe)	max. 0,0001 %

CITRIC ACID MONOHYDRATE PURE P.A. — A00601

Chemical formula	$C_6H_8O_7$. H_2O; $HOC(COOH)(CH_2COOH)_2$. H_2O
CAS	5949-29-1
EINECS	201-069-1
Molecular Weight	210,14 g/mol
Appearance	fine, colourless crystals or white powder
Assay	min. 99,5 max. 100,5 %
Substances insoluble in water	max. 0,03 %
Residue on ignition (as SO4)	max. 0,005 %
Substances darkened by H2SO4	passes test
Chlorides (Cl)	max. 0,001 %
Phosphates (PO4)	max. 0,001 %
Sulfur total (as SO4)	max. 0,01 %
Heavy metals (as Pb)	max. 0,0005 %
Calcium (Ca)	max. 0,005 %
Iron (Fe)	max. 0,0005 %

Xi, R: 36

FLUOROBORIC ACID 40% PURE — G00607

Chemical formula	HBF_4
Density	1,31 g/cm^3
CAS	16872-11-0
UN number	UN 1775
EINECS	240-898-3
Molecular Weight	87,81 g/mol
Appearance	colourless, clear liquid
Assay	min. 38 max. 42 %
Free boric acid (H3BO3)	max. 2,5 %
Barium fluorosilicate acid (H2SiF6)	max. 0,25 %
Chlorides (Cl)	max. 0,005 %
Sulfates (SO4)	max. 0,03 %
Lead, copper, zinc (Pb+Cu+Zn)	max. 0,003 %
Iron (Fe)	max. 0,002 %

C, R: 34

HYDROCHLORIC ACID 18% PURE — G01802

Chemical formula	HCl
Density	1,09 g/cm3
CAS	7647-01-0
UN number	UN 1789
EINECS	231-595-7
Molecular Weight	36,46 g/mol
Appearance	colourless or light-yellow, clear liquid
Assay	min. 18 %
Residue on ignition (as SO4)	max. 0,002 %
Sulfates (SO4)	max. 0,0005 %
Sulfites (SO3)	max. 0,001 %
Free chlorine (Cl2)	max. 0,0002 %
Heavy metals (as Pb)	max. 0,0002 %
Arsenic (As)	max. 0,00001 %
Iron (Fe)	max. 0,0003 %

Xi, R: 36/37/38

HYDROCHLORIC ACID 25% — X00694

Chemical formula	HCl
Density	1,12 g/cm3
CAS	7647-01-0
UN number	UN 1789
EINECS	231-595-7
Molecular Weight	36,46 g/mol
Appearance	colourless or light-yellow, clear liquid
Assay	min. 24,5 max. 25,5 %

C, R: 34-37

HYDROCHLORIC ACID 35-38% PURE	G00698
Chemical formula	HCl
Density	1,19 g/cm^3
CAS	7647-01-0
UN number	UN 1789
EINECS	231-595-7
Molecular Weight	36,46 g/mol
Appearance	colourless, clear liquid
Assay	min. 35 max. 38 %
Residue on ignition (as SO4)	max. 0,002 %
Sulfates (SO4)	max. 0,0005 %
Sulfites (SO3)	max. 0,001 %
Free chlorine (Cl2)	max. 0,0002 %
Heavy metals (as Pb)	max. 0,0002 %
Arsenic (As)	max. 0,00001 %
Iron (Fe)	max. 0,0003 %

C, R: 34-37

HYDROCHLORIC ACID 35-38% PURE P.A.	A00698
Chemical formula	HCl
Density	1,19 g/cm^3
CAS	7647-01-0
UN number	UN 1789
EINECS	231-595-7
Molecular Weight	36,46 g/mol
Appearance	colourless, clear liquid
Assay	min. 35 max. 38 %
Residue on ignition (as SO4)	max. 0,001 %
Sulfates (SO4)	max. 0,0002 %
Sulfites (SO3)	max. 0,0005 %
Free chlorine (Cl2)	max. 0,0001 %
Heavy metals (as Pb)	max. 0,0001 %
Arsenic (As)	max. 0,000005 %
Zinc (Zn)	max. 0,00005 %
Aluminium (Al)	max. 0,0001 %
Magnesium (Mg)	max. 0,00005 %
Manganese (Mn)	max. 0,00005 %
Copper (Cu)	max. 0,00005 %
Nickel (Ni)	max. 0,00005 %
Lead (Pb)	max. 0,00005 %
Iron (Fe)	max. 0,0001 %

C, R: 34-37

HYDROCHLORIC ACID 37% PURE P.A.	A00702
Chemical formula	HCl
Density	1,19 g/cm^3
CAS	7647-01-0
UN number	UN 1789
EINECS	231-595-7
Molecular Weight	36,46 g/mol
Appearance	colourless, clear liquid
Assay	min. 37 %
Residue on ignition (as SO4)	max. 0,001 %
Sulfates (SO4)	max. 0,0002 %
Sulfites (SO3)	max. 0,0005 %
Free chlorine (Cl2)	max. 0,0001 %
Heavy metals (as Pb)	max. 0,0001 %
Arsenic (As)	max. 0,000005 %
Zinc (Zn)	max. 0,00005 %
Aluminium (Al)	max. 0,0001 %
Magnesium (Mg)	max. 0,00005 %
Manganese (Mn)	max. 0,00005 %
Copper (Cu)	max. 0,00005 %
Nickel (Ni)	max. 0,00005 %
Lead (Pb)	max. 0,00005 %
Iron (Fe)	max. 0,0001 %

C, R: 34-37

HYDROFLUORIC ACID 40% PURE	G00609
Chemical formula	HF
Density	1,13 g/cm^3
CAS	7664-39-3
UN number	UN 1790
EINECS	231-634-8
Molecular Weight	20,01 g/mol
Appearance	colourless, clear liquid
Assay	min. 39 max. 41 %
Residue on ignition (as SO4)	max. 0,01 %
Substances reducing KMnO4	max. 0,002 %
Chlorides (Cl)	max. 0,005 %
Sulfates (SO4)	max. 0,005 %
Silicon (Si)	max. 0,1 %
Magnesium and calcium (Mg+Ca)	max. 0,01 %
Copper and Lead (Cu+Pb)	max. 0,002 %
Iron (Fe)	max. 0,0005 %

T+, C, R: 26/27/28-35

HYDROFLUORIC ACID 40% PURE P.A.	A00609
Chemical formula	HF
Density	1,13 g/cm^3
CAS	7664-39-3
UN number	UN 1790
EINECS	231-634-8
Molecular Weight	20,01 g/mol
Appearance	colourless, clear liquid
Assay	min. 39 max. 41 %
Residue on ignition (as SO4)	max. 0,005 %
Substances reducing KMnO4	max. 0,001 %
Chlorides (Cl)	max. 0,003 %
Phosphates (PO4)	max. 0,001 %
Sulfates (SO4)	max. 0,002 %
Sulfites (SO3)	max. 0,004 %
Silicon (Si)	max. 0,05 %
Magnesium and calcium (Mg+Ca)	max. 0,005 %
Copper and Lead (Cu+Pb)	max. 0,001 %
Iron (Fe)	max. 0,0003 %

T+, C, R: 26/27/28-35

L(+)-TARTARIC ACID (ACS) PURE P.A.	A00630
Chemical formula	$C_4H_6O_6$
Density	1,76 g/cm^3
CAS	87-69-4
EINECS	201-766-0
Molecular Weight	150,09 g/mol
Appearance	colourless crystals
Assay	min. 99,5 %
Specific rotation (20°C, 10%, H2O)	+12 ÷ +13 °
Substances insoluble in water	max. 0,005 %
Straty po suszeniu (105°C)	max. 0,5 %
Residue on ignition (as SO4)	max. 0,01 %
Chlorides (Cl)	max. 0,0005 %
Phosphates (PO4)	max. 0,001 %
Oxalates	max. 0,03 %
Sulfates (SO4)	max. 0,002 %
Heavy metals (as Pb)	max. 0,0005 %
Arsenic (As)	max. 0,00002 %
Magnesium (Mg)	max. 0,002 %
Copper (Cu)	max. 0,0005 %
Nickel (Ni)	max. 0,0005 %
Lead (Pb)	max. 0,0005 %
Calcium (Ca)	max. 0,002 %
Iron (Fe)	max. 0,0005 %

Xi, R: 36

NITRIC ACID 65% PURE — G00586

Chemical formula	HNO_3
Density	1,4 g/cm^3
CAS	7697-37-2
UN number	UN 2031
EINECS	231-714-2
Molecular Weight	63,01 g/mol
Appearance	colourless or slightly yellow, clear liquid
Assay	min. 65 %
Residue on ignition (as SO4)	max. 0,005 %
Chlorides (Cl)	max. 0,0003 %
Phosphates (PO4)	max. 0,001 %
Sulfates (SO4)	max. 0,001 %
Heavy metals (as Pb)	max. 0,0003 %
Arsenic (As)	max. 0,000003 %
Chromium (Cr)	max. 0,0002 %
Zinc (Zn)	max. 0,00005 %
Magnesium (Mg)	max. 0,0001 %
Manganese (Mn)	max. 0,00005 %
Copper (Cu)	max. 0,00005 %
Nickel (Ni)	max. 0,0001 %
Lead (Pb)	max. 0,0001 %
Iron (Fe)	max. 0,0005 %

C, R: 35

NITRIC ACID 65% PURE P.A. — A00586

Chemical formula	HNO_3
Density	1,4 g/cm^3
CAS	7697-37-2
UN number	UN 2031
EINECS	231-714-2
Molecular Weight	63,01 g/mol
Appearance	colourless or slightly yellow, clear liquid
Assay	min. 65 %
Residue on ignition (as SO4)	max. 0,002 %
Chlorides (Cl)	max. 0,0001 %
Phosphates (PO4)	max. 0,00005 %
Sulfates (SO4)	max. 0,0002 %
Heavy metals (as Pb)	max. 0,0001 %
Arsenic (As)	max. 0,000002 %
Chromium (Cr)	max. 0,00005 %
Zinc (Zn)	max. 0,00005 %
Aluminium (Al)	max. 0,0001 %
Magnesium (Mg)	max. 0,00005 %
Manganese (Mn)	max. 0,00005 %
Copper (Cu)	max. 0,00005 %
Nickel (Ni)	max. 0,00005 %
Lead (Pb)	max. 0,00005 %
Iron (Fe)	max. 0,0001 %

C, R: 35

NITRIC ACID 65% SPECIALLY PURE — G00586

Chemical formula	HNO3
Density	1,4 g/cm3
CAS	7697-37-2
UN number	UN 2031
EINECS	231-714-2
Molecular Weight	63,01 g/mol
Appearance	colourless or slightly yellow, clear liquid
Assay	min. 65 %
Residue on ignition (as SO4)	max. 5 ppm
Chlorides (Cl)	max. 0,5 ppm
Sulfates (SO4)	max. 1 ppm
Arsenic (As)	max. 0,05 ppm
Barium (Ba)	max. 0,02 ppm
Beryllium (Be)	max. 0,01 ppm
Chromium (Cr)	max. 0,1 ppm
Zinc (Zn)	max. 0,05 ppm
Zirconium (Zr)	max. 0,1 ppm
Germanium (Ge)	max. 0,05 ppm
Aluminium (Al)	max. 0,05 ppm
Cadmium (Cd)	max. 0,02 ppm
Cobalt (Co)	max. 0,01 ppm
Lithium (Li)	max. 0,01 ppm
Magnesium (Mg)	max. 0,1 ppm
Manganese (Mn)	max. 0,01 ppm
Copper (Cu)	max. 0,01 ppm
Molybdenum (Mo)	max. 0,02 ppm
Nickel (Ni)	max. 0,05 ppm
Lead (Pb)	max. 0,05 ppm
Potassium (K)	max. 0,1 ppm
Sodium (Na)	max. 0,5 ppm
Silver (Ag)	max. 0,01 ppm
Strontium (Sr)	max. 0,01 ppm
Titanium (Ti)	max. 0,1 ppm
Tal (Tl)	max. 0,05 ppm
Vanadium (V)	max. 0,01 ppm
Calcium (Ca)	max. 0,5 ppm
Iron (Fe)	max. 0,1 ppm

C, R: 35

ORTHO-PHOSPHORIC ACID 85% PURE — G00660

Chemical formula	H_3PO_4
Density	1,71 g/cm^3
CAS	7664-38-2
UN number	UN 1805
EINECS	231-633-2
Molecular Weight	98,00 g/mol
Appearance	colourless, clear, syrupy liquid
Assay	min. 84,5 %
Density (20°C)	min. 1,678
	max. 1,721 g/ml
Reducing substances (as H3PO3)	max. 0,1 %
Nitrate (NO3)	max. 0,001 %
Chlorides (Cl)	max. 0,001 %
Sulfates (SO4)	max. 0,01 %
Heavy metals (as Pb)	max. 0,002 %
Arsenic (As)	max. 0,0002 %
Magnesium and calcium (Mg+Ca)	max. 0,02 %
Iron (Fe)	max. 0,005 %

C, R: 34

ORTHO-PHOSPHORIC ACID 85% PURE P.A. — A00660

Chemical formula	H_3PO_4
Density	1,71 g/cm^3
CAS	7664-38-2
UN number	UN 1805
EINECS	231-633-2
Molecular Weight	98,00 g/mol
Appearance	colourless, clear, syrupy liquid
Assay	min. 84,5 max. 87 %
Density (20°C)	min. 1,691
	max. 1,721 g/ml
Reducing substances (as H3PO3)	max. 0,005 %
Nitrate (NO3)	max. 0,0006 %
Chlorides (Cl)	max. 0,0005 %
Sulfates (SO4)	max. 0,003 %
Arsenic (As)	max. 0,00005 %
Copper (Cu)	max. 0,00002 %
Lead (Pb)	max. 0,00005 %
Potassium (K)	max. 0,002 %
Sodium (Na)	max. 0,002 %
Calcium (Ca)	max. 0,002 %
Iron (Fe)	max. 0,0005 %

C, R: 34

OXALIC ACID DIHYDRATE (ACS) PURE P.A. — A00706

Chemical formula	$C_2H_2O_4$. $2H_2O$; HOOCCOOH . $2H_2O$
CAS	6153-56-6
EINECS	205-634-3
Molecular Weight	126,07 g/mol
Appearance	colourless crystals
Assay	min. 99,5
	max. 102,5 %
Substances insoluble in water	max. 0,005 %
Residue on ignition	max. 0,01 %
Substances darkened by H2SO4	passes test
Nitrogen (N)	max. 0,001 %
Chlorides (Cl)	max. 0,0005 %
Sulfates (SO4)	max. 0,005 %
Heavy metals (as Pb)	max. 0,0005 %
Magnesium (Mg)	max. 0,002 %
Copper (Cu)	max. 0,0005 %
Lead (Pb)	max. 0,0005 %
Calcium (Ca)	max. 0,001 %
Iron (Fe)	max. 0,0002 %

Xn, R: 21/22

PERCHLORIC ACID 60% PURE P.A. — A00647

Chemical formula	$HClO_4$
Density	1,53 g/cm^3
CAS	7601-90-3
UN number	UN 1873
EINECS	231-512-4
Molecular Weight	100,46 g/mol
Assay	min. 60 %
Nitrogen (N)	max. 0,005 %
Chlorides (Cl)	max. 0,0003 %
Sulfates (SO4)	max. 0,005 %
Barium (Ba)	max. 0,001 %
Bismuth (Bi)	max. 0,0001 %
Zinc (Zn)	max. 0,0001 %
Cadmium (Cd)	max. 0,0001 %
Cobalt (Co)	max. 0,0001 %
Magnesium (Mg)	max. 0,0005 %
Manganese (Mn)	max. 0,00005 %
Copper (Cu)	max. 0,0001 %
Nickel (Ni)	max. 0,0001 %
Lead (Pb)	max. 0,0005 %
Strontium (Sr)	max. 0,000002 %
Titanium (Ti)	max. 0,00001 %
Calcium (Ca)	max. 0,0001 %
Iron (Fe)	max. 0,0002 %

O, C, R: 5-8-35

PHTHALIC ACID PURE — G00616

Chemical formula	$C_8H_6O_4$; $C_6H_4(COOH)_2$
CAS	88-99-3
EINECS	201-873-2
Molecular Weight	166,13 g/mol
Appearance	white, crystalline powder
Assay	min. 99 %
Residue on ignition (as SO4)	max. 0,02 %
Chlorides (Cl)	max. 0,005 %
Sulfates (SO4)	max. 0,01 %
Heavy metals (as Pb)	max. 0,002 %
Iron (Fe)	max. 0,002 %

Xi, R: 36/37/38

PHTHALIC ACID PURE P.A. — A00616

Chemical formula	$C_8H_6O_4$; $C_6H_4(COOH)_2$
CAS	88-99-3
EINECS	201-873-2
Molecular Weight	166,14 g/mol
Appearance	white, crystalline powder
Assay	min. 99,5 %
Residue on ignition (as SO4)	max. 0,01 %
Chlorides (Cl)	max. 0,001 %
Sulfates (SO4)	max. 0,001 %
Heavy metals (as Pb)	max. 0,001 %
Iron (Fe)	max. 0,001 %

Xi, R: 36/37/38

SULFURIC ACID 69% PURE — G00682

Chemical formula	H_2SO_4
Density	1,6 g/cm^3
CAS	7664-93-9
UN number	UN 1830
EINECS	231-639-5
Molecular Weight	98,08 g/mol
Appearance	colourless, oily liquid
Assay	min. 68 max. 70 %
Residue on ignition	max. 0,005 %
Substances reducing KMnO4 (as SO2)	max. 0,001 %
Nitrate (NO3)	max. 0,0005 %
Chlorides (Cl)	max. 0,0005 %
Ammonia salts (NH4)	max. 0,001 %
Heavy metals (as Pb)	max. 0,0005 %
Arsenic (As)	max. 0,00001 %
Selenium (Se)	max. 0,001 %
Iron (Fe)	max. 0,0005 %

C, R: 35

SULFURIC ACID 91% PURE — G00683

Chemical formula	H_2SO_4
Density	1,82 g/cm^3
CAS	7664-93-9
UN number	UN 1830
EINECS	231-639-5
Molecular Weight	98,08 g/mol
Appearance	colourless, clear liquid
Assay	min. 90 max. 92 %
Residue on ignition	max. 0,005 %
Substances reducing KMnO4 (as SO2)	max. 0,001 %
Nitrate (NO3)	max. 0,0005 %
Chlorides (Cl)	max. 0,0005 %
Ammonia salts (NH4)	max. 0,001 %
Heavy metals (as Pb)	max. 0,0005 %
Arsenic (As)	max. 0,00001 %
Selenium (Se)	max. 0,001 %
Iron (Fe)	max. 0,0005 %

C, R: 35

SULFURIC ACID MIN.96% PURE P.A. — A00687

Chemical formula	H_2SO_4
Density	1,84 g/cm^3
CAS	7664-93-9
UN number	UN 1830
EINECS	231-639-5
Molecular Weight	98,08 g/mol
Appearance	colourless, clear, oily liquid
Assay	min. 95 %
Residue on ignition	max. 0,001 %
Substances reducing KMnO4 (as SO2)	max. 0,0003 %
Nitrate (NO3)	max. 0,0002 %
Chlorides (Cl)	max. 0,0001 %
Ammonia salts (NH4)	max. 0,0003 %
Heavy metals (as Pb)	max. 0,0002 %
Arsenic (As)	max. 0,000005 %
Barium (Ba)	max. 0,00005 %
Chromium (Cr)	max. 0,00005 %
Zinc (Zn)	max. 0,00005 %
Aluminium (Al)	max. 0,0001 %
Cadmium (Cd)	max. 0,00005 %
Cobalt (Co)	max. 0,00005 %
Magnesium (Mg)	max. 0,00005 %
Manganese (Mn)	max. 0,00005 %
Copper (Cu)	max. 0,00005 %
Nickel (Ni)	max. 0,00005 %
Lead (Pb)	max. 0,0002 %
Selenium (Se)	max. 0,0003 %
Strontium (Sr)	max. 0,00005 %
Calcium (Ca)	max. 0,00005 %
Iron (Fe)	max. 0,0001 %

C, R: 35

SULFURIC ACID MIN.95% PURE — G00687

Chemical formula	H_2SO_4
Density	1,84 g/cm^3
CAS	7664-93-9
UN number	UN 1830
EINECS	231-639-5
Molecular Weight	98,08 g/mol
Appearance	colourless, clear, oily liquid
Assay	min. 95 %
Residue on ignition	max. 0,005 %
Substances reducing KMnO4 (as SO2)	max. 0,001 %
Nitrate (NO3)	max. 0,0005 %
Chlorides (Cl)	max. 0,0005 %
Ammonia salts (NH4)	max. 0,001 %
Heavy metals (as Pb)	max. 0,0005 %
Arsenic (As)	max. 0,00001 %
Selenium (Se)	max. 0,001 %
Iron (Fe)	max. 0,0005 %

C, R: 35

TRICHLORACETIC ACID PURE P.A. — A00708

Chemical formula	$C_2HCl_3O_2$; CCl_3COOH
CAS	76-03-9
UN number	UN 1839
EINECS	200-927-2
Molecular Weight	163,39 g/mol
Assay	min. 98 %
Water	max. 0,5 %
Dichloracetic acid	max. 1,2 %
Assay of sulfuric acid	max. 0,3 %
Iron (Fe)	max. 0,001 %

C, N, R: 35-50/53

CONCENTRATED VOLUMETRIC & STANDARD SOLUTIONS

We supply wide range of concentrated volumetric solutions for volumetric solutions preparation – acids, bases as well as salts.
All offered CVS are designed to produce volumetric solution in easy and fast way.

CONCENTRATED VOLUMETRIC SOLUTION AMMONIUM THIOCYANATE 0,1 MOL/L — V00140

Chemical formula	NH_4SCN
Density	1,06 g/cm^3
CAS	1762-95-4
EINECS	217-175-6
Molecular Weight	76,12 g/mol
Concentration after dilution to 1000 ml in 20°C	c(NH4SCN)=0,1mol/l +/-0,2 %

Xn, R: 20/21/22-32

CONCENTRATED VOLUMETRIC SOLUTION DI-SODIUM OXALATE 0,05 MOL/L (0,1 N) — V01493

Chemical formula	$C_2Na_2O_4$; NaOOCCOONa
Density	1,03 g/cm^3
CAS	62-76-0
UN number	UN 2810
EINECS	200-550-3
Molecular Weight	134,01 g/mol
Concentration after dilution to 1000 ml in 20°C	c(Na2C2O4)=0,05mol/l +/-0,2 %

Xn, R: 21/22

ACETIC ACID PURE P.A. — V00378

Chemical formula	$C_{10}H_{14}N_2Na_2O_8$
Density	1,0 g/cm^3
CAS	139-33-3
EINECS	205-358-3
Molecular Weight	336,21 g/mol
Concentration after dilution to 1000 ml in 20°C	c(di-NaEDTA)=0,05mol/l +/-0,2%

CONCENTRATED VOLUMETRIC SOLUTION HYDROCHLORIC ACID 0,1 MOL/L (0,1 N) — V00688

Chemical formula	HCl
Density	1,07 g/cm^3
CAS	7647-01-0
EINECS	231-595-7
Molecular Weight	36,46 g/mol
Concentration after dilution to 1000 ml in 20°C	c(HCl)=0,1mol/l +/-0,2 %

CONCENTRATED VOLUMETRIC SOLUTION HYDROCHLORIC ACID 0,2 MOL/L (0,2 N) — V01544

Chemical formula	HCl
Density	1,1 g/cm^3
CAS	7647-01-0
UN number	UN 1789
EINECS	231-595-7
Molecular Weight	36,46 g/mol
Concentration after dilution to 1000 ml in 20°C	c(HCl)=0,2mol/l +/-0,2 %

Xi, R: 36/37/38

CONCENTRATED VOLUMETRIC SOLUTION HYDROCHLORIC ACID 1 MOL/L (1 N) — V01673

Chemical formula	HCl
Density	1,08 g/cm^3
CAS	7647-01-0
UN number	UN 1789
EINECS	231-595-7
Molecular Weight	36,46 g/mol
Concentration after dilution to 1000 ml in 20°C	c(HCl)=1mol/l +/-0,2 %

Xi, R: 36/37/38

CONCENTRATED VOLUMETRIC SOLUTION IODINE 0,05 MOL/L (0,1N) — V00516

Density	1,8 g/cm^3
Concentration after dilution to 1000 ml in 20°C	c(I2)=0,05mol/l +/-0,2 %

N, R: 51

CONCENTRATED VOLUMETRIC SOLUTION NITRIC ACID 0,1 MOL/L (0,1 N) — V00579

Chemical formula	HNO_3
Density	1,08 g/cm^3
CAS	7697-37-2
UN number	UN 2031
EINECS	231-714-2
Molecular Weight	63,01 g/mol
Concentration after dilution to 1000 ml in 20°C	c(HNO3)=0,1mol/l +/-0,2 %

C, R: 34

CONCENTRATED VOLUMETRIC SOLUTION POTASSIUM DICHROMATE 1/60 MOL/L (0,1 N) — V00989

Chemical formula	$K_2Cr_2O_7$
Density	1,03 g/cm^3
CAS	7778-50-9
UN number	UN 3082
EINECS	231-906-6
Molecular Weight	294,19 g/mol
Concentration after dilution to 1000 ml in 20°C	c(K2Cr2O7)=1/60mol/l +/-0,2 %

T, N, R: 49-20/22-43-51/53

CONCENTRATED VOLUMETRIC SOLUTION POTASSIUM HYDROXIDE 0,1 MOL/L (0,1 N) V01029

Chemical formula	KOH
CAS	1310-58-3
UN number	UN 1814
EINECS	215-181-3
Molecular Weight	56,11 g/mol
Concentration after dilution to 1000 ml in 20°C	c(KOH)=0,1mol/l +/-0,2 %

C, R: 35

CONCENTRATED VOLUMETRIC SOLUTION POTASSIUM IODATE-IODIDE 0,05 MOL/L (0,1 N) V01004

Chemical formula	KIO_3 - KI
Density	1,03 g/cm^3
Concentration after dilution to 1000 ml in 20°C	c(I2)=0,05mol/l +/-0,2 %

CONCENTRATED VOLUMETRIC SOLUTION POTASSIUM IODIDE 0,1 MOL/L (0,1 N) V01005

Chemical formula	KI
Density	1,02 g/cm^3
CAS	7681-11-0
EINECS	231-659-4
Molecular Weight	166,01 g/mol
Concentration after dilution to 1000 ml in 20°C	c(KI)=0,1mol/l +/-0,2 %

CONCENTRATED VOLUMETRIC SOLUTION POTASSIUM PERMANGANATE 0,02 MOL/L (0,1 N) V01008

Chemical formula	$KMnO_4$
CAS	7722-64-7
UN number	UN 1490
EINECS	231-760-3
Molecular Weight	158,04 g/mol
Concentration after dilution to 1000 ml in 20°C	c(KMnO4)=0,02mol/l +/-2 %

O, Xn, N, R: 8-22-50/53

CONCENTRATED VOLUMETRIC SOLUTION SILVER NITRATE 0,1 MOL/L (0,1 N) V01463

Chemical formula	$AgNO_3$
Density	1,01 g/cm^3
CAS	7761-88-8
UN number	UN 1760
EINECS	231-853-9
Molecular Weight	169,87 g/mol
Concentration after dilution to 1000 ml in 20°C	c(AgNO3)=0,1mol/l +/-0,2 %

C, R: 34-52/53

CONCENTRATED VOLUMETRIC SOLUTION SODIUM HYDROXIDE 0,1 MOL/L (0,1 N) V01219

Chemical formula	NaOH
Density	1,09 g/cm^3
CAS	1310-73-2
UN number	UN 1824
EINECS	215-185-5
Molecular Weight	40,00 g/mol
Concentration after dilution to 1000 ml in 20°C	c(NaOH)=0,1mol/l +/-0,2 %

C, R: 35

CONCENTRATED VOLUMETRIC SOLUTION SODIUM THIOSULFATE 0,1 MOL/L (0,1 N) V01464

Chemical formula	Na_2S2O_3
Density	1,22 g/cm^3
CAS	7772-98-7
EINECS	231-867-5
Molecular Weight	158,11 g/mol
Concentration after dilution to 1000 ml in 20°C	c(Na2S2O3)=0,1mol/l +/-0,2%

CONCENTRATED VOLUMETRIC SOLUTION SULFURIC ACID 0,05 MOL/L (0,1 N) V00672

Chemical formula	H_2SO_4
Density	1,07 g/cm^3
CAS	7664-93-9
UN number	UN 2796
EINECS	231-639-5
Molecular Weight	98,08 g/mol
Concentration after dilution to 1000 ml in 20°C	c(H2SO4)=0,05mol/l +/-0,2 %

Xi, R: 36/38

ETHYLENEDIAMINETETRAACETIC ACID DISODIUM SALT STANDARD SOLUTION 0,01 MOL/L S01412

Chemical formula	$C_{10}H_{14}N_2O_8Na_2 \cdot 2H_2O$
Density	1,03 g/cm^3
CAS	139-33-3
EINECS	205-358-3
Molecular Weight	372,24 g/mol
Amount-of-substance concentration (20°C)	c(di-Na-EDTA)=0,01mol/l +/-2%

ETHYLENEDIAMINETETRAACETIC ACID DISODIUM SALT STANDARD SOLUTION 0,05 MOL/L — S01411

Chemical formula	$C_{10}H_{14}N_2O_8Na_2 \cdot 2H_2O$
Density	1,03 g/cm³
CAS	139-33-3
EINECS	205-358-3
Molecular Weight	372,24 g/mol
Amount-of-substance concentration (20°C)	c(di-Na-EDTA)=0,05mol/l +/-0,2%

HYAMINE°1622-STANDARD SOLUTION 0,004 MOL/L — S01424

Chemical formula	$C_{27}H_{42}ClNO_2$
Density	~1,0 g/cm³
CAS	121-54-0
EINECS	204-479-9
Molecular Weight	448,18 g/mol
Amount-of-substance concentration (20°C)	c(Hyamine°1622)=0,004M +/-2,5%

HYDROCHLORIC ACID STANDARD SOLUTION 0,1 MOL/L (0,1 N) — S00689

Chemical formula	HCl
Density	1,00 g/cm³
CAS	7647-01-0
EINECS	231-595-7
Molecular Weight	36,46 g/mol
Amount-of-substance concentration (20°C)	c(HCl)=0,1mol/l +/-0,2%

HYDROCHLORIC ACID STANDARD SOLUTION 0,1 MOL/L (0,1 N) — S00689

Chemical formula	HCl
Density	1,00 g/cm³
CAS	7647-01-0
EINECS	231-595-7
Molecular Weight	36,46 g/mol
Amount-of-substance concentration (20°C)	c(HCl)=0,1mol/l +/-0,2%

HYDROCHLORIC ACID STANDARD SOLUTION 0,5 MOL/L (0,5 N) — S00691

Chemical formula	HCl
Density	1,008 g/cm³
CAS	7647-01-0
EINECS	231-595-7
Molecular Weight	36,46 g/mol
Amount-of-substance concentration (20°C)	c(HCl)=0,5mol/l +/-0,2%

HYDROCHLORIC ACID STANDARD SOLUTION 1 MOL/L (1 N) — S00692

Chemical formula	HCl
Density	1,02 g/cm³
CAS	7647-01-0
EINECS	231-595-7
Molecular Weight	36,47 g/mol
Amount-of-substance concentration (20°C)	c(HCl)=1mol/l +/-0,2%

POTASSIUM CHLORIDE STANDARD SOLUTION 3 MOL/L — S01425

Chemical formula	KCl
Density	1,13 g/cm³
CAS	7447-40-7
EINECS	231-211-8
Molecular Weight	74,56 g/mol
Amount-of-substance concentration (20°C)	c(KCl)=3 mol/l +/-0,2%

POTASSIUM PERMANGANATE STANDARD SOLUTION 0,02 MOL/L — S01416

Chemical formula	$KMnO_4$
Density	1 g/cm³
CAS	7722-64-7
EINECS	231-760-3
Molecular Weight	158,04 g/mol
Amount-of-substance concentration (20°C)	c(KMnO4)=0,02 mol/l +/-0,2%

, R: 52/53

SILVER NITRATE STANDARD SOLUTION 0,02 MOL/L (0,02N) — S01440

Chemical formula	$AgNO_3$
Density	1 g/cm³
CAS	7761-88-8
EINECS	231-853-9
Molecular Weight	169,87 g/mol
Amount-of-substance concentration (20°C)	c(AgNO3)=0,02 mol/l +/-2%
Amount-of-substance concentration (20°C)	c(AgNO3)=0,02mol/l +/-2%

, R: 52/53

SILVER NITRATE STANDARD SOLUTION 0,1 MOL/L (0,1N) S01241

Chemical formula	$AgNO_3$
Density	1,01 g/cm^3
CAS	7761-88-8
EINECS	231-853-9
Molecular Weight	169,87 g/mol
Amount-of-substance concentration (20°C)	c(AgNO3)=0,1mol/l +/-0,2%

, R: 52/53

SODIUM HYDROXIDE STANDARD SOLUTION 0,1 MOL/L (0,1 N) S01220

Chemical formula	NaOH
Density	1,00 g/cm^3
CAS	1310-73-2
EINECS	215-185-5
Molecular Weight	40,00 g/mol
Amount-of-substance concentration (20°C)	c(NaOH)=0,1mol/l +/-0,2%

SODIUM HYDROXIDE STANDARD SOLUTION 0,25 MOL/L (0,25 N) S01221

Chemical formula	NaOH
Density	1,01 g/cm^3
CAS	1310-73-2
UN number	UN 1824
EINECS	215-185-5
Molecular Weight	40,00 g/mol
Amount-of-substance concentration (20°C)	c(NaOH)=0,25mol/l +/-0,2%

Xi, R: 36/38

SODIUM HYDROXIDE STANDARD SOLUTION 0,5 MOL/L (0,5 N) S01222

Chemical formula	NaOH
Density	1,02 g/cm^3
CAS	1310-73-2
UN number	UN 1824
EINECS	215-185-5
Molecular Weight	40,00 g/mol
Amount-of-substance concentration (20°C)	c(NaOH)=0,5mol/l +/-0,2%

Xi, R: 36/38

SODIUM HYDROXIDE STANDARD SOLUTION 1 MOL/L (1 N) S01223

Chemical formula	NaOH
Density	1,045 g/cm^3
CAS	1310-73-2
UN number	UN 1824
EINECS	215-185-5
Molecular Weight	40,00 g/mol
Amount-of-substance concentration (20°C)	c(NaOH)=1mol/l +/-0,2%

C, R: 34

SODIUM THIOSULFATE STANDARD SOLUTION 0,1MOL/L S01413

Chemical formula	$Na_2S_2O_3$
Density	1,01 g/cm^3
CAS	7772-98-7
EINECS	231-867-5
Molecular Weight	158,11 g/mol
Amount-of-substance concentration (20°C)	c(Na2S2O3)=0,1 +/-0,2%

SULFURIC ACID STANDARD SOLUTION 0,05 MOL/L (0,1 N) S00673

Chemical formula	H_2SO_4
Density	1,00 g/cm^3
CAS	7664-93-9
EINECS	231-639-5
Molecular Weight	98,08 g/mol
Amount-of-substance concentration (20°C)	c(H2SO4)=0,05mol/l +/-0,2%

SULFURIC ACID STANDARD SOLUTION 0,5 MOL/L (1N SOLUTION) S00676

Chemical formula	H_2SO_4
Density	1,032 g/cm^3
CAS	7664-93-9
EINECS	231-639-5
Molecular Weight	98,08 g/mol
Amount-of-substance concentration (20°C)	c(H2SO4)=0,5mol/l +/-0,2%

SULFURIC ACID STANDARD SOLUTION 1 MOL/L (2 N) S00677

Chemical formula	H_2SO_4
Density	1,065 g/cm^3
CAS	7664-93-9
UN number	UN 2796
EINECS	231-639-5
Molecular Weight	98,09 g/mol
Amount-of-substance concentration (20°C)	c(H2SO4)=1mol/l +/-0,2%

Xi, R: 36/38

BUFFER SOLUTIONS

Buffer solutions purposed to calibrate pH-meters and in pharmaceutical industry to perform reactions in certain pH conditions.
The company manufactures wide range of pH buffers from pH 1 to 10.

BUFFER SOLUTION PH 10,00 (+/-) 0,05	B01085
Density	1,01 g/cm^3
Appearance	colourless, clear liquid
pH (20°C)	9,95 - 10,05

BUFFER SOLUTION PH 2,00 (+/-) 0,05	B01086
Density	1,01 g/cm^3
Appearance	colourless, clear liquid
pH (20°C)	1,95-2,05

BUFFER SOLUTION PH 4,00 (+/-) O,05	B01088
Density	1,01 g/cm^3
Appearance	colourless, clear liquid
pH (20°C)	3,95-4,05

BUFFER SOLUTION PH 6,80 (+/-) 0,05	B03001
Density	1,01 g/cm^3
Appearance	colourless, clear liquid
pH (20°C)	6,75 - 6,85

BUFFER SOLUTION PH 7,00 (+/-) 0,05	B01091
Density	1,01 g/cm^3
Appearance	colourless, clear liquid
pH (20°C)	6,95-7,05

BUFFER SOLUTION PH 9,00 (+/-) 0,05	B01093
Density	1,01 g/cm^3
Appearance	colourless, clear liquid
pH (20°C)	8,95-9,05

INDICATORS

Our indicators are produced against the finest standards and have common use in pH value determination or selective detection of particular reagents.

2,2'-BIQUINOLINE PURE P.A. — A00046

Chemical formula	$C_{18}H_{12}N_2$; $(CH{:}CHC_6H_4N{:}C)_2$
CAS	119-91-5
EINECS	204-357-5
Molecular Weight	256,31 g/mol
Appearance	white or pale yellow crystals or powder
Assay	min. 99 %
Molar absorptivity index of compex with Cu⁺	
E (530÷560 nm; isoamyl alcohol)	min. 6300
Solubility in amyl alcohol	passes test
Residue on ignition (as SO4)	max. 0,05 %

BROMOCRESOL GREEN INDICATOR — I01390

Appearance	white or yellow-brown powder
Molar absorptivity:	
E (pH 3,4; 420÷440 nm)	min. 12300
E (pH 5,8; 580÷620 nm)	min. 31000
Solubility in ethanol	passes test
TLC test	passes test
Transition range pH:	
yellow	min. 3,8
blue	min. 5,4

BROMOCRESOL PURPLE INDICATOR — I01056

Chemical formula	$C_{21}H_{16}Br_2O_5S$
CAS	115-40-2
EINECS	207-087-8
Molecular Weight	540,24 g/mol
Appearance	pale pink or violet-pink powder
Molar absorptivity:	
E (pH 5,2; 410÷450 nm)	min. 18000
E (pH 6,8; 570÷590 nm)	min. 47000
Solubility in ethanol	passes test
Sensitivity for pH change	passes test
TLC test	passes test
Transition range pH:	
yellow	min. 5,2
purple	max. 6,8

BROMOCRESOL PURPLE SODIUM SALT INDICATOR — I01055

Chemical formula	$C_{21}H_{15}Br_2Na\ O_5S$
CAS	62625-30-3
EINECS	263-655-3
Molecular Weight	562,22 g/mol
Appearance	brown powder with red tint
Molar absorptivity:	
E (pH 4,8; 430 nm)	min. 15000
E (pH 7,2; 580 nm)	min. 26000
Solubility in water	passes test
TLC test	passes test
Residue on ignition (as SO4)	min. 12 max. 19 %
Transition range pH:	
yellow	min. 5,2
purple	max. 6,8

SBROMOTHYMOL BLUE INDICATOR — I00224

Chemical formula	$C_{27}H_{28}Br_2O_5S$
CAS	76-59-5
EINECS	200-971-2
Molecular Weight	624,40 g/mol
Appearance	pink powder with violet tint
Molar absorptivity:	
E (pH 6,0; 400÷450 nm)	min. 16000
E (pH 7,5; 600÷640 nm)	min. 30000
Loss on drying	max. 1,4 %
Solubility in ethanol	passes test
Sensitivity for pH change	passes test
TLC test	passes test

CALCEIN DISODIUM SALT INDICATOR — I00538

Chemical formula	$C_{30}H_{24}O_{13}N_2Na_2$
CAS	1461-15-0
EINECS	215-957-1
Molecular Weight	666,51 g/mol
Appearance	orange, crystalline powder
Molar absorptivity:	
E (pH 4,6; 495 + 5 nm)	min. 21000
Moisture	max. 5 %
Sensitivity to ions of Ca	min. 0,00000025 g/ml
TLC test	passes test
Residue on ignition (as Na2SO4)	max. 42 %
Assay of free fluoroscein	max. 6 %

CHLOROPHENOL RED SODIUM SALT SOLUBLE IN WATER INDICATOR — I00316

Chemical formula	$C_{19}H_{11}Cl_2O_5SNa$
CAS	123333-64-2
Molecular Weight	445,26 g/mol
Appearance	brick-red-coloured powder
Molar absorptivity:	
E (pH 4,8; 430÷440 nm)	min. 19500
E (pH 8,6; 575÷585 nm)	min. 60000
TLC test	passes test
Residue on ignition (as SO4)	max. 16 %
Transition range pH:	
yellow	min. 4,8
purple	min. 6,4

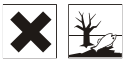
FLUORESCEIN PURE — G00445

Chemical formula	$C_{20}H_{12}O_5$
CAS	2321-07-5
EINECS	219-031-8
Molecular Weight	332,32 g/mol
Appearance	yellowish-brown or red-brown powder
Absorptivity (1 %; 1cm; 490+/-5 nm; water + Na2CO3)	min. 1800
Solubility in ethanol	passes test
Residue on ignition (as SO4)	max. 0,5 %
Assay of resorcinol	max. 3 %
Loss on drying	max. 3 %

MALACHITE GREEN /OXALATE/ MICRO STAIN — I01393

Chemical formula	$C_{25}H_{26}N_2O_4$
CAS	18015-76-4
EINECS	219-441-7
Molecular Weight	418,51 g/mol
Appearance	green crystals
Molar absorptivity:	
E (610÷620 nm; water)	min. 55000
Moisture	max. 10 %
TLC test	passes test
Residue on ignition	max. 2,5 %
Suitability as biological stain	passes test

Xn, N, R: 22-41-63-50/53



METHYL ORANGE INDICATOR I00882

Chemical formula	$C_{14}H_{14}N_3NaO_3S$
CAS	547-58-0
UN number	UN 2811
EINECS	208-925-3
Molecular Weight	327,34 g/mol
Appearance	orange, fine crystalline powder
Solubility in water	passes test
Sensitivity for pH change	passes test
Molar absorptivity:	
E (pH 3,0; 480÷520 nm)	min. 36000
E (pH 4,4; 440÷480 nm)	min. 24000
Loss on drying	max. 3 %
TLC test	passes test

T, R: 25

METHYL RED INDICATOR I00326

Chemical formula	$C_{15}H_{15}N_3O_2$
CAS	493-52-7
EINECS	207-776-1
Molecular Weight	269,31 g/mol
Appearance	red to brown powder
Molar absorptivity:	
E (pH 6,2; 430 nm)	min. 18000
E (pH 4,4; 520 nm)	min. 39000
Moisture	max. 5 %
Solubility in ethanol	passes test
TLC test	passes test
Transition range pH:	
red	min. 4,4
yellow-orange	min. 6,2

METHYLTHYMOL BLUE SODIUM SALT INDICATOR I00230

Chemical formula	$C_{37}H_{40}N_2Na_4O_{13}S$
CAS	1945-77-3
EINECS	217-743-3
Molecular Weight	844,76 g/mol
Appearance	brown, green-black, black crystalline powder
Assay	min. 35 %
Thymol blue	max. 5 %
Semi-methyl blue	max. 20 %
Sensitivity to ions of Ca	min. 0,00001 g/ml
Suitability for Ca ions determination	passes test

MUREXIDE INDICATOR I00800

Chemical formula	$C_8H_8N_6O_6$
CAS	3051-09-0
EINECS	221-226-6
Molecular Weight	284,19 g/mol
Appearance	red-brown, fine crystalline powder
Assay	min. 65 %
Solubility in water	passes test
TLC test	passes test
Molar absorptivity index of compex with Ca:	
E (pH 11÷12; 500÷506 nm)	min. 10500
Suitability for Ca ions determination	passes test

NAPHTHOL GREEN B MICRO STAIN I01395

Chemical formula	$C_{30}H_{15}FeN_3Na_3O_{15}S_3$
CAS	19381-50-1
EINECS	243-010-2
Molecular Weight	878,47 g/mol
Appearance	dark-green powder
Molar absorptivity:	
E (680÷730 nm; water)	min. 6500
Moisture	max. 10 %
Solubility in water	passes test
TLC test	passes test
Residue on ignition (as SO4)	max. 76 %

PHENOL RED (ACS) INDICATOR I00319

Chemical formula	$C_{19}H_{14}O_5S$
CAS	143-74-8
EINECS	205-609-7
Molecular Weight	354,38 g/mol
Appearance	dark red-brown powder
Absorptivity (1%; 1 cm; pH 6,5)	min. 500
Absorptivity (1%; 1 cm; pH 8,0)	min. 1000
Loss on drying	max. 1,5 %
Solubility in ethanol	passes test
TLC test	passes test
Transition range pH:	
yellow	min. 6,8
red	max. 8,2

PHENOLPHTHALEIN 1% SOLUTION INDICATOR I00433

Density	0,9 g/cm3
UN number	UN 1993
Appearance	colourless, clear liquid
Assay	min. 0,9 max. 1,1 %
Colour	max. 50 Hazen
Sensitivity for pH change	passes test
Transition range pH:	
colourless	min. 8
red-violet	min. 10

F, R: 11

PHENOLPHTHALEIN 2% SOLUTION INDICATOR I00434

Density	0,9 g/cm^3
UN number	UN 1993
Appearance	colourless, clear liquid
Assay	min. 1,9 max. 2,1 %
Colour	max. 90 Hazen
Sensitivity for pH change	passes test
Transition range pH:	
colourless	min. 8
red-violet	min. 10
Suitability for milk acidity analysis	passes test

F, R: 11

PHENOLPHTHALEIN INDICATOR I00435

Chemical formula	$C_{20}H_{14}O_4$
CAS	77-09-8
EINECS	201-004-7
Molecular Weight	318,33 g/mol
Appearance	white or light-yellow, fine crystalline powder
Molar absorptivity:	
E (pH 9,8; 540÷560 nm)	min. 21000
Solubility in ethanol	passes test
Sensitivity for pH change	passes test
TLC test	passes test
Residue on ignition	max. 0,2 %
Transition range pH:	
colourless	min. 8,2
red-violet	max. 10

SODIUM DIETHYLDITHIOCARBAMATE TRIHYDRATE (ACS) PURE P.A.	A00565
Chemical formula	$C_5H_{10}NNaS_2 \cdot 3H_2O$; $(C_2H_5)_2NCSSNa \cdot 3H_2O$
CAS	20624-25-3
EINECS	205-710-6
Molecular Weight	225,31 g/mol
Appearance	white powder with yellowish or grey shade
Assay	min. 99 %
Solubility in water	passes test
Residue on ignition (as Na2SO4)	min. 30,5 max. 32,5 %
Sensitivity to copper	min. 0,0000002 g/ml

Xn, R: 22

THYMOL BLUE PURE P.A. INDICATOR	A00238
Chemical formula	$C_{27}H_{30}O_5S$
CAS	76-61-9
EINECS	200-973-3
Molecular Weight	466,6 g/mol
Appearance	green powder or crystal
Molar absorptivity:	
E (pH 1,2; 545÷555 nm)	min. 16000
E (pH 9,6; 595÷605 nm)	min. 16000
Solubility in ethanol	passes test
Sensitivity for pH change	passes test
TLC test	passes test

THYMOLPHTHALEXON DISODIUM SALT INDICATOR	I01322
Chemical formula	$C_{38}H_{42}N_2Na_2O_{12}$
CAS	1913-93-5
EINECS	217-627-2
Molecular Weight	764,82 g/mol
Appearance	white, fine crystalline powder
Molar absorptivity:	
E (pH 12, 550÷650 nm)	min. 3000
Solubility in water	passes test
Sensitivity to ions of Ca	min. 0,0000001 g/ml
Residue on ignition (as Na2SO4)	max. 22 %
Thymolophthalein	max. 1 %

XYLENOL ORANGE INDICATOR	I00881
Chemical formula	$C_{31}H_{28}N_2Na_4O_{13}S$
CAS	3618-43-7
EINECS	222-805-8
Molecular Weight	760,60 g/mol
Appearance	red-brown or black-brown, crystalline powder
Assay	min. 35 %
Moisture	max. 10 %
Sensitivity to ions of thorium (Th4+)	min. 0,000001 g/ml
Cresol red	max. 3 %
Semixylenol orange	max. 15 %
Residue on ignition (as SO4)	max. 38 %
Suitability as indicator in complexometry	passes test

visit us online at
www.labscan.eu

POCH S.A.
ul. Sowińskiego 11
44-101 Gliwice
Poland

Tel. +48 32 239 22 13
Fax +48 32 239 24 87
e-mail: export@poch.com.pl
www.labscan.eu
www.poch.com.pl