

High Purity Solvents



LAB-SCAN
analytical sciences

The Choice of Analysts

introduction



The Labscan brand name for High Purity solvents 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 view 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.

table of contents

	Page
Introduction	
● Preparative chromatography	1
● Chromoscan	4
● Pestiscan	10
● Anhydroscan	13
● Anhydroscan with molecular sieve	16
● Spectroscan	18
● LC-MaScan solvent	21
● Enviroscan Capillary GC	22
● Enviroscan Trihalomethane	23
● Enviroscan purge & trap	24
● Analytical Reagent	25
● General Purpose Reagent	32
Ordering and understanding our codes	37

Preparative chromatography

This grade is dedicated for preparative chromatography. Solvents for preparative chromatography are offered for synthesis, isolation and separation of mixtures. High quality is guaranteed by process of purification and laboratory quality control. These solvents are produced in 25 and 200L barrels only.



Acetone R01

For preparative chromatography	
Chemical formula	CH ₃ COCH ₃
Density	0.79 g/cm ³ (20°C)
CAS number	67-64-1
UN number	1090
EC number	200-662-2
Refractive index	1.359 (20°C)
Boiling Point	56.2°C (1013hPa)
Molecular Weight	58.08 g/mol
Assay (GC) %	99.8
Water (KF) %	0.2
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Highly flammable Irritant
F XI R11 R36 R66 R67 S09 S16 S26



Acetonitrile R02

For preparative chromatography	
Chemical formula	C ₂ H ₃ N
Density	0.786 g/cm ³ (20°C)
CAS number	75-05-8
UN number	1648
EC number	200-835-2
Refractive index	1.344 (20°C)
Boiling Point	81.6°C (1013hPa)
Molecular Weight	41.05 g/mol
Assay (GC) %	99.9
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Highly flammable Harmful
F XN R11 R20/21/22 R36 S16 S36/37



Butyl Acetate (n-) R28

For preparative chromatography	
Chemical formula	CH ₃ COO(CH ₂) ₃ CH ₃
Density	0.88 g/cm ³ (20°C)
CAS number	123-86-4
UN number	1123
EC number	204-658-1
Refractive index	1.394 (20°C)
Boiling Point	124-127°C (1013 hPa)
Molecular Weight	116.16 g/mol
Assay (GC) %	99.0
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Flammable
F R10 R66 R67 S25



Butan-1-ol R29

For preparative chromatography	
Chemical formula	CH ₃ (CH ₂) ₃ OH
Density	0.81 g/cm ³ (20°C)
CAS number	71-36-3
UN number	1120
EC number	200-751-6
Refractive index	1.399 (20°C)
Boiling Point	116-118°C (1013 hPa)
Molecular Weight	74.12 g/mol
Assay (GC) %	99.8
Water (KF) %	0.03
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Harmful
XN R10 R22 R37/38 R41 R67 S07/09 S13 S26 S37/39 S46



Chloroform (Stb Amyl) R05

For preparative chromatography	
Chemical formula	CHCl ₃
Density	1.48g/cm ³ (20°C)
CAS number	67-66-3
UN number	1888
EC number	200-663-8
Refractive index	1.446 (20°C)
Boiling Point	61°C (1013 hPa)
Molecular Weight	119.38g/mol
Assay (GC) %	99.8
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser amylene (ppm)~	50

Harmful
XN R22 R38 R40 R48/20/22 S36/37



Chloroform (Stb EtOH) R07

For preparative chromatography	
Chemical formula	CHCl ₃
Density	1.48g/cm ³ (20°C)
CAS number	67-66-3
UN number	1888
EC number	200-663-8
Refractive index	1.446 (20°C)
Boiling Point	61°C (1013 hPa)
Molecular Weight	119.38 g/mol
Assay (GC) %	99.8
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser Ethanol (%)~	1

Harmful
XN R22 R38 R40 R48/20/22 S36/37



Cyclohexane R08

For preparative chromatography	
Chemical formula	C ₆ H ₁₂
Density	0.78 g/cm ³ (20°C)
CAS number	110-82-7
UN number	1145
EC number	203-806-2
Refractive index	1.426 (20°C)
Boiling Point	81°C (1013hPa)
Molecular Weight	84.16 g/mol
Assay (GC) %	99.5
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Highly flammable Harmful Dangerous for Environment
F XN N R11 R38 R50/53 R65 R67 S09 S16 S25 S33 S60 S61 S62



Dichloromethane (Stb Amyl) R10

For preparative chromatography	
Chemical formula	CH ₂ Cl ₂
Density	1.33g/cm ³ (20°C)
CAS number	75-09-2
UN number	1593
EC number	200-838-9
Refractive index	1.426 (20°C)
Boiling Point	40°C (1013hPa)
Molecular Weight	84.93 g/mol
Assay (GC) %	99.8
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser amylene (ppm) ~	50

Harmful
XN R40 S23 S24/25 S36/37



Dimethylformamide R33

For preparative chromatography	
Chemical formula	HCON(CH ₃) ₂
Density	0.949 g/cm ³ (20°C)
CAS number	4472-41-7
UN number	2265
EC number	224-745-8
Refractive index	1.43 (20°C)
Boiling Point	152°C (1013 hPa)
Molecular Weight	73.09 g/mol
Assay (GC) %	99.8
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Harmful Toxic
XN T R36 R20/21 R61 S45 S53



Dimethylsulphoxide R34

For preparative chromatography	
Chemical formula	(CH ₃) ₂ SO
Density	1.10g/cm ³ (20°C)
CAS number	67-68-5
UN number	n/a
EC number	200-664-3
Refractive index	1.479 (20°C)
Boiling Point	189°C (1013 hPa)
Molecular Weight	78.13 g/mol
Assay (GC) %	99.5
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Dioxan (1,4-) R12

For preparative chromatography	
Chemical formula	C ₈ H ₁₆ O ₂
Density	1.03g/cm ³ (20°C)
CAS number	123-91-1
UN number	1165
EC number	204-661-8
Refractive index	1.422 (20°C)
Boiling Point	101.5°C (1013 hPa)
Molecular Weight	88.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Ethyl Acetate R13

For preparative chromatography	
Chemical formula	CH ₃ COOC ₂ H ₅
Density	0.90 g/cm ³ (20°C)
CAS number	141-78-6
UN number	1173
EC number	205-500-4
Refractive index	1.372 (20°C)
Boiling Point	77°C (1013hPa)
Molecular Weight	88.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Highly flammable Harmful
F XN R11 R19 R36/37 R40 R66 S09 S16 S36/37 S46



Highly flammable Irritant
F XI R11 R36 R66 R67 S16 S26 S33

**Heptane Fraction R14**

For preparative chromatography	
Chemical formula	CH ₃ (CH ₂) ₅ CH ₃
Density	0.684 g/cm ³ (20°C)
CAS number	142-82-5
UN number	1206
EC number	205-563-8
Refractive index	1.388 (20°C)
Boiling Point	97°C (1013hPa)
Molecular Weight	100.2 g/mol
Assay (GC) %	85.0
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Heptane 95% R24

For preparative chromatography	
Chemical formula	CH ₃ (CH ₂) ₅ CH ₃
Density	0.68 g/cm ³ (20°C)
CAS number	142-82-5
UN number	1206
EC number	205-563-8
Refractive index	1.388 (20°C)
Boiling Point	98.4°C (1013 hPa)
Molecular Weight	100.21 g/mol
Assay (GC) %	95.0
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Heptane 99% R35

For preparative chromatography	
Chemical formula	CH ₃ (CH ₂) ₅ CH ₃
Density	0.68 g/cm ³ (20°C)
CAS number	142-82-5
UN number	1206
EC number	205-563-8
Refractive index	1.388 (20°C)
Boiling Point	98.4°C (1013 hPa)
Molecular Weight	100.21 g/mol
Assay (GC) %	99.0
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62



Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62



Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62

**Heptane 99.5% R25**

For preparative chromatography	
Chemical formula	CH ₃ (CH ₂) ₅ CH ₃
Density	0.68 g/cm ³ (20°C)
CAS number	142-82-5
UN number	1206
EC number	205-563-8
Refractive index	1.388 (20°C)
Boiling Point	98.4°C (1013hPa)
Molecular Weight	100.21 g/mol
Assay (GC) %	99.5
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Hexane Fraction R15

For preparative chromatography	
Chemical formula	CH ₃ (CH ₂) ₄ CH ₃
Density	0.65-0.66 g/cm ³ (20°C)
CAS number	110-54-3
UN number	1208
EC number	203-777-6
Refractive index	1.374 (20°C)
Boiling Point	66-70°C (1013 hPa)
Molecular Weight	86.18 g/mol
Assay (GC) %	45.0
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Hexane 95% R16

For preparative chromatography	
Chemical formula	CH ₃ (CH ₂) ₄ CH ₃
Density	0.66 g/cm ³ (20°C)
CAS number	110-54-3
UN number	1208
EC number	203-777-6
Refractive index	1.374 (20°C)
Boiling Point	69°C (1013hPa)
Molecular Weight	86.18 g/mol
Assay (GC) %	95.0
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R48/20 R51/53 R62 R65 R67 S09 S16 S29 S33 S36/37 S61 S62



Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R48/20 R51/53 R62 R65 R67 S09 S16 S29 S33 S36/37 S61 S62



Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R48/20 R51/53 R62 R65 R67 S09 S16 S29 S33 S36/37 S61 S62



Hexane 99% R36

For preparative chromatography	
Chemical formula	CH ₃ (CH ₂) ₄ CH ₃
Density	0.66 g/cm ³ (20°C)
CAS number	110-54-3
UN number	1208
EC number	203-777-6
Refractive index	1.374 (20°C)
Boiling Point	69°C (1013hPa)
Molecular Weight	86.18 g/mol
Assay (GC) %	99.0
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Highly flammable Harmful Dangerous for the Environment
 F XN N R11 R38 R48/20 R51/53 R62 R65 R67 S09 S16 S29 S33 S36/37 S61 S62

**Methanol R17**

For preparative chromatography	
Chemical formula	CH ₃ OH
Density	0.79 g/cm ³ (20°C)
CAS number	67-56-1
UN number	1230
EC number	200-659-6
Refractive index	1.328 (20°C)
Boiling Point	64.5°C (1013 hPa)
Molecular Weight	32.04 g/mol
Assay (GC) %	99.9
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Highly flammable Toxic
 F T R11 R23/24/25 R39/23/24/25 S07 S16 S36/37 S45

**Propan-2-ol R19**

For preparative chromatography	
Chemical formula	(CH ₃) ₂ CHOH
Density	0.786 g/cm ³ (20°C)
CAS number	67-63-0
UN number	1219
EC number	200-661-7
Refractive index	1.377 (20°C)
Boiling Point	82.4°C (1013hPa)
Molecular Weight	60.10 g/mol
Assay (GC) %	99.8
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Highly flammable Irritant
 F XI R11 R36 R67 S07 S16 S24/25 S26

**Propan-1-ol R43**

For preparative chromatography	
Chemical formula	CH ₃ CH ₂ CH ₂ OH
Density	0.80 g/cm ³ (20°C)
CAS number	71-23-8
UN number	1274
EC number	200-746-9
Refractive index	1.386 (20°C)
Boiling Point	96.5 - 98°C (1013 hPa)
Molecular Weight	60.10 g/mol
Assay (GC) %	99.5
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Highly flammable Irritant
 F XI R11 R41 R67 S07 S16 S24 S26 S39

**Tetrahydrofuran R20**

For preparative chromatography	
Chemical formula	C ₄ H ₈ O
Density	0.89 g/cm ³ (20°C)
CAS number	109-99-9
UN number	2056
EC number	203-726-8
Refractive index	1.407 (20°C)
Boiling Point	65-66°C (1013 hPa)
Molecular Weight	72.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Highly flammable Irritant
 F XI R11 R19 R36/37 S16 S29 S33

**Toluene R22**

For preparative chromatography	
Chemical formula	C ₆ H ₅ CH ₃
Density	0.87 g/cm ³ (20°C)
CAS number	108-88-3
UN number	1294
EC number	203-625-9
Refractive index	1.497 (20°C)
Boiling Point	110.6°C (1013 hPa)
Molecular Weight	92.14 g/mol
Assay (GC) %	99.8
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Highly flammable Harmful
 F XN R11 R38 R48/20 R63 R65 R67 S36/37 S46 S62

**Trimethylpentane (2,2,4-) R21**

For preparative chromatography	
Chemical formula	CH ₃ (CH ₃) ₂ CCH ₂ CH(CH ₃) ₂
Density	0.69 g/cm ³ (20°C)
CAS number	54-84-1
UN number	1262
EC number	208-759-1
Refractive index	1.391 (20°C)
Boiling Point	99.2°C (1013 hPa)
Molecular Weight	114.23 g/mol
Assay (GC) %	99.5
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Highly flammable Harmful Dangerous for the Environment
 F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62



Chromoscan Solvent Specifications

For high quality liquid chromatography analysis, the Labscan range of Chromoscan solvents offers the end user consistent, reproducible results - in exacting conditions. These are produced to the highest standards of Quality control - offering a range of the finest HPLC solvents available on the market.



Acetone C01

Acetone for liquid chromatography/HPLC analysis	
Chemical formula	CH ₃ COCH ₃
Density	0.79 g/cm ³ (20°C)
CAS number	67-64-1
UN number	1090
EC number	200-662-2
Refractive index	1.359 (20°C)
Boiling Point	56.2°C (1013hPa)
Molecular Weight	58.08 g/mol
Assay (GC) %	99.8
Water (KF) %	0.2
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
355	99
350	98
340	85
335	50

Highly flammable Irritant
F XI R11 R36 R66 R67 S09 S16 S26



Acetonitrile (Super Gradient) C27

For liquid chromatography/HPLC analysis	
Chemical formula	C ₂ H ₃ N
Density	0.786 g/cm ³ (20°C)
CAS number	75-05-8
UN number	1648
EC number	200-835-2
Refractive index	1.344 (20°C)
Boiling Point	81.6°C (1013hPa)
Molecular Weight	41.05 g/mol
Assay (GC) %	99.9
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
HPLC Gradient λ 210 nm (mAU)	3
Baseline Drift/mAU	15
UV Wavelength/nm	% Transmission
230	99
220	98
200	93
195	80
190	30
Filtration (0.2 μm)	pass

Highly flammable Harmful
F XN R11 R20/21/22 R36 S16 S36/37



Butyl Acetate (n-) C28

For liquid chromatography/HPLC analysis	
Chemical formula	CH ₃ COO(CH ₂) ₃ CH ₃
Density	0.88 g/cm ³ (20°C)
CAS number	123-86-4
UN number	1123
EC number	204-658-1
Refractive index	1.394 (20°C)
Boiling Point	124-127°C (1013 hPa)
Molecular Weight	116.16 g/mol
Assay (GC) %	99.0
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
360	99
320	95
300	90
280	80
260	50

Flammable
F R10 R66 R67 S25



Acetonitrile C02

Acetonitrile for liquid chromatography/HPLC analysis	
Chemical formula	C ₂ H ₃ N
Density	0.786 g/cm ³ (20°C)
CAS number	75-05-8
UN number	1648
EC number	200-835-2
Refractive index	1.344 (20°C)
Boiling Point	81.6°C (1013hPa)
Molecular Weight	41.05 g/mol
Assay (GC) %	99.9
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
250	99
240	98

Highly flammable Harmful
F XN R11 R20/21/22 R36 S16 S36/37



Acetonitrile (Ultra Gradient) U02

For liquid chromatography/HPLC analysis	
Chemical formula	C ₂ H ₃ N
Density	0.786 g/cm ³ (20°C)
CAS number	75-05-8
UN number	1648
EC number	200-835-2
Refractive index	1.344 (20°C)
Boiling Point	81.6°C (1013hPa)
Molecular Weight	41.05 g/mol
Assay (GC) %	99.9
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
HPLC Gradient λ 210 nm (mAU)	1
Baseline Drift/mAU	15
UV Wavelength/nm	% Transmission
230	99
215	98
200	96
195	85
193	60
190	30
Filtration (0.2 μm)	pass

Highly flammable Harmful
F XN R11 R20/21/22 R36 S16 S36/37



Butan-1-ol C29

For liquid chromatography/HPLC analysis	
Chemical formula	CH ₃ (CH ₂) ₃ OH
Density	0.81 g/cm ³ (20°C)
CAS number	71-36-3
UN number	1120
EC number	200-751-6
Refractive index	1.399 (20°C)
Boiling Point	116-118°C (1013 hPa)
Molecular Weight	74.12 g/mol
Assay (GC) %	99.8
Water (KF) %	0.03
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
310	99
260	95
250	90
240	80
230	65

Harmful
XN R10 R22 R37/38 R41 R67 S07/09 S13 S26 S37/39 S46



Acetonitrile (Far UV) C03

Acetonitrile for liquid chromatography/HPLC analysis	
Chemical formula	C ₂ H ₃ N
Density	0.786 g/cm ³ (20°C)
CAS number	75-05-8
UN number	1648 (20°C)
EC number	200-835-2
Refractive index	1.344 (20°C)
Boiling Point	81.6°C (1013hPa)
Molecular Weight	41.05 g/mol
Assay (GC) %	99.9
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
230	99
220	98
210	90
200	80
190	30
Filtration (0.2 μm)	pass

Highly flammable Harmful
F Xn R11 R20/21/22 R36 S16 S36/37



Acetonitrile HPLC Gradient C73

For liquid chromatography/HPLC analysis	
Chemical formula	C ₂ H ₃ N
Density	0.786 g/cm ³ (20°C)
CAS number	75-05-8
UN number	1648
EC number	200-835-2
Refractive index	1.344 (20°C)
Boiling Point	81.6°C (1013hPa)
Molecular Weight	41.05 g/mol
Assay (GC) %	99.9
Water (KF) %	0.015
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
240	99
230	98
220	94
210	88
200	80

Highly flammable Harmful
F XN R11 R20/21/22 R36 S16 S36/37



Chlorobutane (1-) C06

For liquid chromatography/HPLC analysis	
Chemical formula	CH ₃ (CH ₂) ₃ Cl
Density	0.886 g/cm ³ (20°C)
CAS number	109-69-3
UN number	1127
EC number	203-696-6
Refractive index	1.394 (20°C)
Boiling Point	79°C (1013hPa)
Molecular Weight	92.58 g/mol
Assay (GC) %	99.8
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
300	99
280	98
260	95
240	80
230	50

Highly flammable
FR11 S09 S16 S29



Chloroform (Stb Amyl) C05

For liquid chromatography/HPLC analysis	
Chemical formula	CHCl ₃
Density	1.48g/cm ³ (20°C)
CAS number	67-66-3
UN number	1888
EC number	200-663-8
Refractive index	1.446 (20°C)
Boiling Point	61°C (1013 hPa)
Molecular Weight	119.38g/mol
Assay (GC) %	99.8
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser amylene (ppm)~	50
UV Wavelength/nm	% Transmission
280	99
270	98
260	85
250	50

Harmful
XN R22 R38 R40 R48/20/22 S36/37

**Dichloroethane C31**

For liquid chromatography/HPLC analysis	
Chemical formula	C1ClH ₂ CH ₂ Cl
Density	1.25g/cm ³ (20°C)
CAS number	107-06-2
UN number	1184
EC number	203-458-1
Refractive index	1.445 (20°C)
Boiling Point	83.5 - 84.1°C (1013hPa)
Molecular Weight	98.97 g/mol
Assay (GC) %	99.8
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
300	99
280	98
260	90
250	50

Highly flammable Toxic
F T R11 R45 R22 R36/37/38 S53 S45

**Diethyl Ether (Stb Eth) C09**

For liquid chromatography/HPLC analysis	
Chemical formula	(C ₂ H ₅) ₂ O
Density	0.71 g/cm ³ (20°C)
CAS number	60-29-7
UN number	1155
EC number	200-467-2
Refractive index	1.352 (20°C)
Boiling Point	34.6°C (1013 hPa)
Molecular Weight	74.12 g/mol
Assay (GC) %	99.5
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser Ethanol (%) ~	1
UV Wavelength/nm	% Transmission
280	99
260	95
250	90
240	80
230	70

Extremely flammable Harmful
F+ XN R12 R19 R22 R66 R67 S09 S16 S29 S33

**Chloroform (Stb EtOH) C07**

For liquid chromatography/HPLC analysis	
Chemical formula	CHCl ₃
Density	1.48g/cm ³ (20°C)
CAS number	67-66-3
UN number	1888
EC number	200-663-8
Refractive index	1.446 (20°C)
Boiling Point	61°C (1013 hPa)
Molecular Weight	119.38 g/mol
Assay (GC) %	99.8
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser Ethanol (%)~	1
UV Wavelength/nm	% Transmission
280	99
270	98
260	85
250	50

Harmful
XN R22 R38 R40 R48/20/22 S36/37

**Dichloromethane (Stb Amyl) C10**

For liquid chromatography/HPLC analysis	
Chemical formula	CH ₂ Cl ₂
Density	1.33g/cm ³ (20°C)
CAS number	75-09-2
UN number	1593
EC number	200-838-9
Refractive index	1.426 (20°C)
Boiling Point	40°C (1013hPa)
Molecular Weight	84.93 g/mol
Assay (GC) %	99.8
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser amylene (ppm) ~	50
UV Wavelength/nm	% Transmission
260	99
250	98
240	75
235	40

Harmful
XN R40 S23 S24/25 S36/37

**Diethylamine C45**

For liquid chromatography/HPLC analysis	
Chemical formula	(C ₂ H ₅) ₂ NH
Density	0.71 g/cm ³ (20°C)
CAS number	109-89-7
UN number	1154
EC number	203-716-3
Refractive index	1.385 (20°C)
Boiling Point	56°C (1013 hPa)
Molecular Weight	73.14 g/mol
Assay (GC) %	99.5
Water (KF) %	0.15
Acidity (mEq/g)	n/a
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
400	99
350	90
320	70
300	50

Highly flammable Corrosive
F C R11 R20/21/22 R35 S3 S16 S26 S29 S36/37/39 S45

**Cyclohexane C08**

For liquid chromatography/HPLC analysis	
Chemical formula	C ₆ H ₁₂
Density	0.78 g/cm ³ (20°C)
CAS number	110-82-7
UN number	1145
EC number	203-806-2
Refractive index	1.426 (20°C)
Boiling Point	81°C (1013hPa)
Molecular Weight	84.16 g/mol
Assay (GC) %	99.5
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
250	99
240	98
230	95
220	80
210	60

Highly flammable Harmful Dangerous for Environment
SFXN N R11 R38 R50/53 R65 R67 S09 S16 S25 S33 S60 S61 S62

**Diethyl Ether (Stb BHT) C11**

For liquid chromatography/HPLC analysis	
Chemical formula	(C ₂ H ₅) ₂ O
Density	0.71 g/cm ³ (20°C)
CAS number	60-29-7
UN number	1155
EC number	200-467-2
Refractive index	1.352 (20°C)
Boiling Point	34.6°C (1013 hPa)
Molecular Weight	74.12 g/mol
Assay (GC) %	99.5
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.001
Stabiliser BHT (ppm)~	5
UV Wavelength/nm	% Transmission
300	99
280	95
260	90
250	80
230	50

Extremely flammable Harmful
F+ XN R12 R19 R22 R66 R67 S09 S16 S29 S33

**Dimethylacetamide C32**

For liquid chromatography/HPLC analysis	
Chemical formula	CH ₃ CON(CH ₃) ₂
Density	0.94 g/cm ³ (20°C)
CAS number	127-19-5
UN number	2265
EC number	204-826-4
Refractive index	1.438 (20°C)
Boiling Point	165 - 166°C (1013 hPa)
Molecular Weight	87.12 g/mol
Assay (GC) %	99.8
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
350	99
320	98
290	85
280	80
275	60

Toxic
T R20/21 R61 S45 S53



Dimethylformamide C33

For liquid chromatography/HPLC analysis	
Chemical formula	HCON(CH ₃) ₂
Density	0.949 g/cm ³ (20°C)
CAS number	4472-41-7
UN number	2265
EC number	224-745-8
Refractive index	1.43 (20°C)
Boiling Point	152°C (1013 hPa)
Molecular Weight	73.09 g/mol
Assay (GC) %	99.8
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
320	98
300	94
290	88
280	80
275	60

Harmful Toxic
XN T R36 R20/21 R61 S45 S53

**Ethyl Acetate C13**

For liquid chromatography/HPLC analysis	
Chemical formula	CH ₃ COOC ₂ H ₅
Density	0.90 g/cm ³ (20°C)
CAS number	141-78-6
UN number	1173
EC number	205-500-4
Refractive index	1.372 (20°C)
Boiling Point	77°C (1013hPa)
Molecular Weight	88.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
300	99
280	95
270	90
260	70

Highly flammable Irritant
F XI R11 R36 R66 R67 S16 S26 S33

**Heptane 99% C35**

For liquid chromatography/HPLC analysis	
Chemical formula	CH ₃ (CH ₂) ₅ CH ₃
Density	0.68 g/cm ³ (20°C)
CAS number	142-82-5
UN number	1206
EC number	205-563-8
Refractive index	1.388 (20°C)
Boiling Point	98.4°C (1013 hPa)
Molecular Weight	100.21 g/mol
Assay (GC) %	99.0
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
250	99
240	98
230	95
220	80
210	60

Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62

**Dimethylsulphoxide C34**

For liquid chromatography/HPLC analysis	
Chemical formula	(CH ₃) ₂ SO
Density	1.10g/cm ³ (20°C)
CAS number	67-68-5
UN number	n/a
EC number	200-664-3
Refractive index	1.479 (20°C)
Boiling Point	189°C (1013 hPa)
Molecular Weight	78.13 g/mol
Assay (GC) %	99.5
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
360	98
330	95
320	90
300	75
280	60

Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62

**Heptane Fraction C14**

For liquid chromatography/HPLC analysis	
Chemical formula	CH ₃ (CH ₂) ₅ CH ₃
Density	0.684 g/cm ³ (20°C)
CAS number	142-82-5
UN number	1206
EC number	205-563-8
Refractive index	1.388 (20°C)
Boiling Point	97°C (1013hPa)
Molecular Weight	100.2 g/mol
Assay (GC) %	85.0
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
250	99
240	98
230	95
220	80
210	60

Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62

**Heptane 99.5% C25**

For liquid chromatography/HPLC analysis	
Chemical formula	CH ₃ (CH ₂) ₅ CH ₃
Density	0.68 g/cm ³ (20°C)
CAS number	142-82-5
UN number	1206
EC number	205-563-8
Refractive index	1.388 (20°C)
Boiling Point	98.4°C (1013hPa)
Molecular Weight	100.21 g/mol
Assay (GC) %	99.5
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
250	99
240	98
230	95
220	80
210	60

Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62

**Dioxan (1,4-) C12**

For liquid chromatography/HPLC analysis	
Chemical formula	C ₈ H ₈ O ₂
Density	1.03g/cm ³ (20°C)
CAS number	123-91-1
UN number	1165
EC number	204-661-8
Refractive index	1.422 (20°C)
Boiling Point	101.5°C (1013 hPa)
Molecular Weight	88.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
290	97
280	93
270	85
260	75
250	65

Highly flammable Harmful
F XN R11 R19 R36/37 R40 R66 S09 S16 S36/37 S46

**Heptane 95% C24**

For liquid chromatography/HPLC analysis	
Chemical formula	CH ₃ (CH ₂) ₅ CH ₃
Density	0.68 g/cm ³ (20°C)
CAS number	142-82-5
UN number	1206
EC number	205-563-8
Refractive index	1.388 (20°C)
Boiling Point	98.4°C (1013 hPa)
Molecular Weight	100.21 g/mol
Assay (GC) %	95.0
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
250	99
240	98
230	95
220	80
210	60

Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62

**Hexane Fraction C15**

For liquid chromatography/HPLC analysis	
Chemical formula	CH ₃ (CH ₂) ₄ CH ₃
Density	0.65-0.66 g/cm ³ (20°C)
CAS number	110-54-3
UN number	1208
EC number	203-777-6
Refractive index	1.374 (20°C)
Boiling Point	66-70°C (1013 hPa)
Molecular Weight	86.18 g/mol
Assay (GC) %	45.0
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
250	99
240	98
230	95
220	80
210	60

Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R48/20 R51/53 R62 R65 R67 S09 S16 S29 S33 S36/37 S61 S62



Hexane 95% C16

For liquid chromatography/HPLC analysis	
Chemical formula	CH ₃ (CH ₂) ₄ CH ₃
Density	0.66 g/cm ³ (20°C)
CAS number	110-54-3
UN number	1208
EC number	203-777-6
Refractive index	1.374 (20°C)
Boiling Point	69°C (1013hPa)
Molecular Weight	86.18 g/mol
Assay (GC) %	95.0
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
240	99
230	98
220	90
210	70
200	50

Highly flammable Harmful Dangerous for the Environment
 F XN N R11 R38 R48/20 R51/53 R62 R65 R67 S09 S16 S29 S33 S36/37 S61 S62

**Methanol (Super Gradient) C26**

For liquid chromatography/HPLC analysis	
Chemical formula	CH ₃ OH
Density	0.79 g/cm ³ (20°C)
CAS number	67-56-1
UN number	1230
EC number	200-659-6
Refractive index	1.328 (20°C)
Boiling Point	64.5°C (1013 hPa)
Molecular Weight	32.04 g/mol
Assay (GC) %	99.9
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
HPLC Gradient λ, 235 nm (mUA)	2
Baseline Drift/mAU	15
UV Wavelength/nm	% Transmission
250	99
240	98
230	90
220	75
210	65
Filtration (0.2 μm)	pass

Highly flammable Toxic
 F T R11 R23/24/25 R39/23/24/25 S07 S16 S36/37 S45

**Methyl tert Butyl Ether C39**

For liquid chromatography/HPLC analysis	
Chemical formula	(CH ₃) ₃ COCH ₃
Density	0.758 g/cm ³ (20°C)
CAS number	1634-04-4
UN number	2398
EC number	216-653-1
Refractive index	1.369 (20°C)
Boiling Point	55.3°C (1013 hPa)
Molecular Weight	88.15 g/mol
Assay (GC) %	99.8
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
280	97
270	96
260	90
250	80
240	60

Highly flammable Irritant
 FXI R11 R38 S9 S16 S24

**Hexane 99% C36**

For liquid chromatography/HPLC analysis	
Chemical formula	CH ₃ (CH ₂) ₄ CH ₃
Density	0.66 g/cm ³ (20°C)
CAS number	110-54-3
UN number	1208
EC number	203-777-6
Refractive index	1.374 (20°C)
Boiling Point	69°C (1013hPa)
Molecular Weight	86.18 g/mol
Assay (GC) %	99.0
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
240	99
230	98
220	90
210	70
200	50

Highly flammable Harmful Dangerous for the Environment
 F XN N R11 R38 R48/20 R51/53 R62 R65 R67 S09 S16 S29 S33 S36/37 S61 S62

**Methyl Ethyl Ketone C37**

For liquid chromatography/HPLC analysis	
Chemical formula	C ₅ H ₁₀ COCH ₃
Density	0.805 g/cm ³ (20°C)
CAS number	78-93-3
UN number	1193
EC number	201-159-0
Refractive index	1.379 (20°C)
Boiling Point	79.6°C (1013 hPa)
Molecular Weight	72.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
360	99
350	98
340	85
335	50

Highly flammable Irritant
 F XI R11 R36 R66 R67 S09 S16

**Pentane 95% (n-) C18**

For liquid chromatography/HPLC analysis	
Chemical formula	CH ₃ (CH ₂) ₃ CH ₃
Density	0.63 g/cm ³ (20°C)
CAS number	109-66-0
UN number	1265
EC number	203-692-4
Refractive index	1.357 (20°C)
Boiling Point	36.1°C (1013 hPa)
Molecular Weight	72.15 g/mol
Assay (GC) %	95.0
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
250	99
240	98
230	90
220	70
210	40

Extremely flammable Harmful Dangerous for the Environment
 F+ XN N R12 R51/53 R65 R66 R67 S09 S16 S29 S33 S61 S62

**Methanol C17**

For liquid chromatography/HPLC analysis	
Chemical formula	CH ₃ OH
Density	0.79 g/cm ³ (20°C)
CAS number	67-56-1
UN number	1230
EC number	200-659-6
Refractive index	1.328 (20°C)
Boiling Point	64.5°C (1013 hPa)
Molecular Weight	32.04 g/mol
Assay (GC) %	99.9
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
250	99
240	98
230	80
220	70
210	60

Highly flammable Toxic
 F T R11 R23/24/25 R39/23/24/25 S07 S16 S36/37 S45

**Methyl-2-pyrrolidone (n-) C38**

For liquid chromatography/HPLC analysis	
Chemical formula	C ₅ H ₉ NO
Density	1.03g/cm ³ (20°C)
CAS number	872-50-4
UN number	n/a
EC number	212-828-1
Refractive index	1.488 (20°C)
Boiling Point	202°C (1013 hPa)
Molecular Weight	99.13 g/mol
Assay (GC) %	99.5
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
350	99
330	95
310	80
290	70
280	50

Irritant
 XI R36/38 S41

**Pentane 99% (n-) C40**

For liquid chromatography/HPLC analysis	
Chemical formula	CH ₃ (CH ₂) ₃ CH ₃
Density	0.63 g/cm ³ (20°C)
CAS number	109-66-0
UN number	1265
EC number	203-692-4
Refractive index	1.357 (20°C)
Boiling Point	36.1°C (1013hPa)
Molecular Weight	72.15 g/mol
Assay (GC) %	99.0
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
240	99
230	98
220	90
210	80
200	60

Extremely flammable Harmful Dangerous for the Environment
 F+ XN N R12 R51/53 R65 R66 R67 S09 S16 S29 S33 S61 S62



Petroleum Ether 40/60 C41

For liquid chromatography/HPLC analysis	
Chemical formula	n/a
Density	0.660g/cm ³ (20°C)
CAS number	64742-49-0
UN number	1268
EC number	265-151-9
Refractive index	n/a
Boiling Point	40-60°C (1013hPa)
Molecular Weight	n/a
Assay (GC) %	n/a
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
250	99
240	98
230	90
220	80
210	60

Highly flammable Harmful Dangerous for the Environment
F XN N R45 R65 S53 S45

**Propan-1-ol C43**

For liquid chromatography/HPLC analysis	
Chemical formula	CH ₃ CH ₂ CH ₂ OH
Density	0.80 g/cm ³ (20°C)
CAS number	71-23-8
UN number	1274
EC number	200-746-9
Refractive index	1.386 (20°C)
Boiling Point	96.5 - 98°C (1013 hPa)
Molecular Weight	60.10 g/mol
Assay (GC) %	99.5
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
300	99
290	98
250	90

Highly flammable Irritant
F XI R11 R41 R67 S07 S16 S24 S26 S39

**Toluene C22**

For liquid chromatography/HPLC analysis	
Chemical formula	C ₆ H ₅ CH ₃
Density	0.87 g/cm ³ (20°C)
CAS number	108-88-3
UN number	1294
EC number	203-625-9
Refractive index	1.497 (20°C)
Boiling Point	110.6°C (1013 hPa)
Molecular Weight	92.14 g/mol
Assay (GC) %	99.8
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
350	99
330	98
310	90
300	80
290	50

Highly flammable Harmful
F XN R11 R38 R48/20 R63 R65 R67 S36/37 S46 S62

**Petroleum Ether 60/80 C42**

For liquid chromatography/HPLC analysis	
Chemical formula	n/a
Density	0.660g/cm ³ (20°C)
CAS number	64742-49-0
UN number	1268
EC number	265-151-9
Refractive index	n/a
Boiling Point	60-80°C (1013hPa)
Molecular Weight	n/a
Assay (GC) %	n/a
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
250	99
240	98
230	90
220	80
210	60

Highly flammable Harmful Dangerous for the Environment
F XN N R45 R65 S45 S53

**Pyridine C44**

For liquid chromatography/HPLC analysis	
Chemical formula	C ₅ H ₅ N
Density	0.98 g/cm ³ (20°C)
CAS number	110-86-1
UN number	1282
EC number	203-809-9
Refractive index	1.51 (20°C)
Boiling Point	115°C (1013 hPa)
Molecular Weight	79.10 g/mol
Assay (GC) %	99.5
Water (KF) %	0.07
Evaporation Residue (%)	0.005
UV Wavelength/nm	% Transmission
400	98
350	95
340	86

Highly flammable Harmful
F XN R11 R20/21/22 S26 S28

**Trichloroethylene C46**

For liquid chromatography/HPLC analysis	
Chemical formula	C ₂ HCl ₃
Density	1.46g/cm ³ (20°C)
CAS number	79-01-6
UN number	1710
EC number	201-167-4
Refractive index	1.477 (20°C)
Boiling Point	87°C (1013hPa)
Molecular Weight	131.79 g/mol
Assay (GC) %	99.8
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
400	98
350	85
320	80
300	70
280	50

Toxic
T R45 R36/38 R52/53 R67 S45 S53 S61

**Propan-2-ol C19**

For liquid chromatography/HPLC analysis	
Chemical formula	(CH ₃) ₂ CHOH
Density	0.786 g/cm ³ (20°C)
CAS number	67-63-0
UN number	1219
EC number	200-661-7
Refractive index	1.377 (20°C)
Boiling Point	82.4°C (1013hPa)
Molecular Weight	60.10 g/mol
Assay (GC) %	99.8
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
250	99
240	98
230	80
220	60
210	40

Highly flammable Irritant
F XI R11 R36 R67 S07 S16 S24/25 S26

**Tetrahydrofuran C20**

For liquid chromatography/HPLC analysis	
Chemical formula	C ₄ H ₈ O
Density	0.89 g/cm ³ (20°C)
CAS number	109-99-9
UN number	2056
EC number	203-726-8
Refractive index	1.407 (20°C)
Boiling Point	65-66°C (1013 hPa)
Molecular Weight	72.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
280	99
270	98
260	90
250	80
240	70

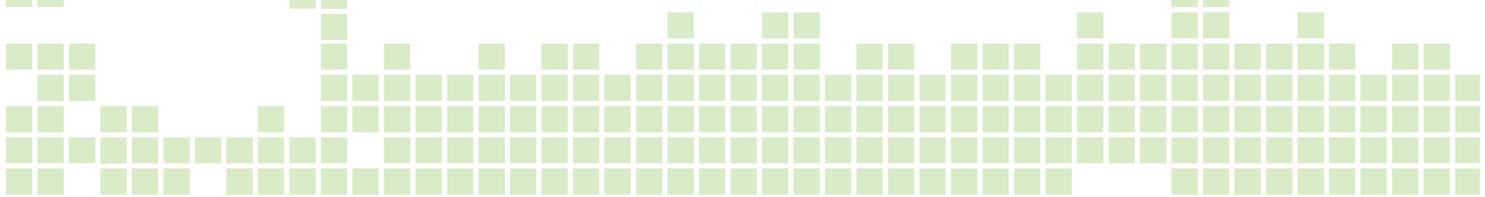
Highly flammable Irritant
F XI R11 R19 R36/37 S16 S29 S33

**Trimethylpentane (2,2,4-) C21**

For liquid chromatography/HPLC analysis	
Chemical formula	CH ₃ (CH ₂) ₂ C(CH ₃) ₂ CH ₂ CH ₃
Density	0.69 g/cm ³ (20°C)
CAS number	540-84-1
UN number	1262
EC number	208-759-1
Refractive index	1.391 (20°C)
Boiling Point	99.2°C (1013 hPa)
Molecular Weight	114.23 g/mol
Assay (GC) %	99.5
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
250	99
240	98
230	95
220	80

Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62

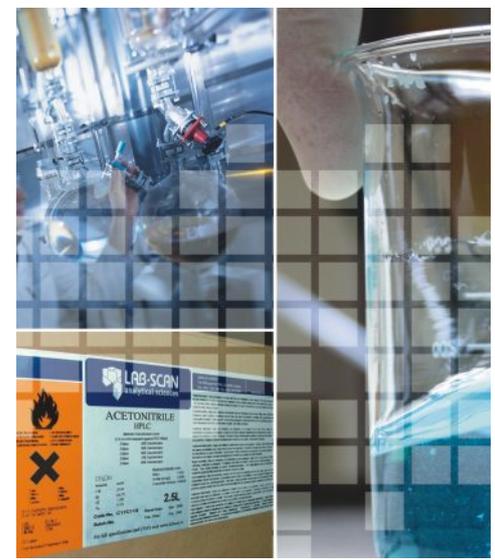




Water		C23
For liquid chromatography/HPLC analysis		
Chemical formula	H ₂ O	
Density	1.00g/cm ³ (20°C)	
CAS number	7732-18-5	
UN number	n/a	
EC number	231-791-2	
Refractive index	1.333 (20°C)	
Boiling Point	100°C (1013 hPa)	
Molecular Weight	18.02g/mol	
Evaporation Residue (%)	0.0005	
Conductivity (μS/cm)	2	
HPLC Gradient λ 254 nm (mAU)	2	
Filtration (0.2 μm)	pass	

Water Super Gradient		C98
For liquid chromatography/HPLC analysis		
Chemical formula	H ₂ O	
Density	1.00g/cm ³ (20°C)	
CAS number	7732-18-5	
UN number	n/a	
EC number	231-791-2	
Refractive index	1.333 (20°C)	
Boiling Point	100°C	
Molecular Weight	18.02g/mol	
Evaporation Residue (%)	0.0005	
Conductivity (μS/cm)	2	
HPLC Gradient λ 205nm (mAU)	5	
HPLC Gradient λ 254nm (mAU)	2	
Filtration (0.2 μm)	pass	

Labscan solvents are produced from the finest approved raw materials and undergo a thorough, multi-stage purification process in which all critical impurities are eliminated.



Pestican solvent specifications

Our Pestican range of solvents are used in the analysis of both Pesticide and Insecticide residues. This range of solvents ensures a consistently stable baseline with no extraneous peaks to facilitate extraction, isolation and pre-concentration techniques.



Acetone P01

For gas chromatography & Pesticide Residue analysis	
Chemical formula	CH ₃ COCH ₃
Density	0.79 g/cm ³ (20°C)
CAS number	67-64-1
UN number	1090
EC number	200-662-2
Refractive index	1.359 (20°C)
Boiling Point	56.2°C (1013hPa)
Molecular Weight	58.08 g/mol
Assay (GC) %	99.8
Water (KF) %	0.3
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Pesticide Specification

Impurities causing interfering peaks on the gas chromatogram are not greater than: 1). 5ng/L of Lindane by ECD 2). 10ng/L of Ethylparathion by PND

Highly flammable Irritant

F XI R11 R36 R66 R67 S09 S16 S26



Chloroform (Stb EtOH) P07

For gas chromatography & Pesticide Residue analysis	
Chemical formula	CHCl ₃
Density	1.48g/cm ³ (20°C)
CAS number	67-66-3
UN number	1888
EC number	200-663-8
Refractive index	1.446 (20°C)
Boiling Point	61°C (1013hPa)
Molecular Weight	119.38 g/mol
Assay (GC) %	99.8
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser Ethanol (%) ~	1

Pesticide Specification

Impurities causing interfering peaks on the gas chromatogram are not greater than: 1). 5ng/L of Lindane by ECD 2). 10ng/L of Ethylparathion by PND

Harmful

XN R22 R38 R40 R48/20/22 S36/37



Dichloromethane (Stb Amyl) P10

For gas chromatography & Pesticide Residue analysis	
Chemical formula	CH ₂ Cl ₂
Density	1.33g/cm ³ (20°C)
CAS number	75-09-2
UN number	1593
EC number	200-838-9
Refractive index	1.426 (20°C)
Boiling Point	40°C (1013hPa)
Molecular Weight	84.93 g/mol
Assay (GC) %	99.8
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser Amylene (ppm) ~	50

Pesticide Specification

Impurities causing interfering peaks on the gas chromatogram are not greater than: 1). 5ng/L of Lindane by ECD 2). 10ng/L of Ethylparathion by PND

Harmful

XN R40 S23 S24/25 S36/37



Acetonitrile P02

For gas chromatography & Pesticide Residue analysis	
Chemical formula	C ₂ H ₃ N
Density	0.786 g/cm ³ (20°C)
CAS number	75-05-8
UN number	1648
EC number	200-835-2
Refractive index	1.344 (20°C)
Boiling Point	81.6°C (1013hPa)
Molecular Weight	41.05 g/mol
Assay (GC) %	99.9
Water (KF) %	0.2
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Pesticide Specification

Impurities causing interfering peaks on the gas chromatogram are not greater than: 1). 5ng/L of Lindane by ECD 2). 10ng/L of Ethylparathion by PND

Highly flammable Harmful

F XN R11 R20/21/22 R36 S16 S36/37



Cyclohexane P08

For gas chromatography & Pesticide Residue analysis	
Chemical formula	C ₆ H ₁₂
Density	0.78 g/cm ³ (20°C)
CAS number	110-82-7
UN number	1145
EC number	203-806-2
Refractive index	1.426 (20°C)
Boiling Point	81°C (1013hPa)
Molecular Weight	84.16 g/mol
Assay (GC) %	99.5
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Pesticide Specification

Impurities causing interfering peaks on the gas chromatogram are not greater than: 1). 5ng/L of Lindane by ECD 2). 10ng/L of Ethylparathion by PND

Highly flammable Harmful Dangerous for the Environment

F XN N R11 R38 R50/53 R65 R67 S09 S16 S25 S33 S60 S61 S62



Ethyl Acetate P13

For gas chromatography & Pesticide Residue analysis	
Chemical formula	CH ₃ COOC ₂ H ₅
Density	0.90 g/cm ³ (20°C)
CAS number	141-78-6
UN number	1173
EC number	205-500-4
Refractive index	1.372 (20°C)
Boiling Point	77°C (1013hPa)
Molecular Weight	88.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Pesticide Specification

Impurities causing interfering peaks on the gas chromatogram are not greater than: 1). 5ng/L of Lindane by ECD 2). 10ng/L of Ethylparathion by PND

Highly flammable Irritant

F XI R11 R36 R66 R67 S16 S26 S33



Butan-1-ol P29

For gas chromatography & Pesticide Residue analysis	
Chemical formula	CH ₃ (CH ₂) ₃ OH
Density	0.81 g/cm ³ (20°C)
CAS number	71-36-3
UN number	1120
EC number	200-751-6
Refractive index	1.399 (20°C)
Boiling Point	116-118°C (1013hPa)
Molecular Weight	74.12 g/mol
Assay (GC) %	99.8
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Pesticide Specification

Impurities causing interfering peaks on the gas chromatogram are not greater than: 1). 5ng/L of Lindane by ECD 2). 10ng/L of Ethylparathion by PND

Harmful

XN R10 R22 R37/38 R41 R67 S07/09 S13 S26 S37/39 S46



Diethyl Ether (Stb Eth) P09

For gas chromatography & Pesticide Residue analysis	
Chemical formula	(C ₂ H ₅) ₂ O
Density	0.71 g/cm ³ (20°C)
CAS number	60-29-7
UN number	1155
EC number	200-467-2
Refractive index	1.352 (20°C)
Boiling Point	34.6°C (1013 hPa)
Molecular Weight	74.12 g/mol
Assay (GC) %	99.5
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser Ethanol (%) ~	1

Pesticide Specification

Impurities causing interfering peaks on the gas chromatogram are not greater than: 1). 5ng/L of Lindane by ECD 2). 10ng/L of Ethylparathion by PND

Extremely flammable Harmful

F+XN R12 R19 R22 R66 R67 S09 S16 S29 S33



Heptane 95% P24

For gas chromatography & Pesticide Residue analysis	
Chemical formula	CH ₂ (CH ₂) ₅ CH ₃
Density	0.68 g/cm ³ (20°C)
CAS number	142-82-5
UN number	1206
EC number	205-563-8
Refractive index	1.388 (20°C)
Boiling Point	98.4°C (1013 hPa)
Molecular Weight	100.21 g/mol
Assay (GC) %	95.0
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Pesticide Specification

Impurities causing interfering peaks on the gas chromatogram are not greater than: 1). 5ng/L of Lindane by ECD 2). 10ng/L of Ethylparathion by PND

Highly flammable Harmful Dangerous for the Environment

F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62



Hexane 97.5% P55

For gas chromatography & Pesticide Residue analysis	
Chemical formula	CH ₃ (CH ₂) ₄ CH ₃
Density	0.66 g/cm ³ (20°C)
CAS number	110-54-3
UN number	1208
EC number	203-777-6
Refractive index	1.374 (20°C)
Boiling Point	69°C (1013hPa)
Molecular Weight	86.18 g/mol
Assay (GC) %	97.5
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Pesticide Specification

Impurities causing interfering peaks on the gas chromatogram are not greater than: 1). 5ng/L of Lindane by ECD 2). 10ng/L of Ethylparathion by PND

Highly flammable Harmful Dangerous for the Environment

F XN N R11 R38 R48/20 R51/53 R62 R65 R67 S09 S16 S29 S33 S36/37 S61 S62

**Methanol P17**

For gas chromatography & Pesticide Residue analysis	
Chemical formula	CH ₃ OH
Density	0.79 g/cm ³ (20°C)
CAS number	67-56-1
UN number	1230
EC number	200-659-6
Refractive index	1.328 (20°C)
Boiling Point	64.5°C (1013 hPa)
Molecular Weight	32.04 g/mol
Assay (GC) %	99.9
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Pesticide Specification

Impurities causing interfering peaks on the gas chromatogram are not greater than: 1). 5ng/L of Lindane by ECD 2). 10ng/L of Ethylparathion by PND

Highly flammable Toxic

F T R11 R23/24/25 R39/23/24/25 S07 S16 S36/37 S45

**Petroleum Ether 60/80 P42**

For gas chromatography & Pesticide Residue analysis	
Chemical formula	n/a
Density	0.660g/cm ³ (20°C)
CAS number	64742-49-0
UN number	1268
EC number	265-151-9
Refractive index	n/a
Boiling Point	60-80°C (1013hPa)
Molecular Weight	n/a
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Pesticide Specification

Impurities causing interfering peaks on the gas chromatogram are not greater than: 1). 5ng/L of Lindane by ECD 2). 10ng/L of Ethylparathion by PND

Highly flammable Harmful Dangerous for the Environment

F XN N R45 R65 S45 S53

**Hexane 95% P16**

For gas chromatography & Pesticide Residue analysis	
Chemical formula	CH ₃ (CH ₂) ₄ CH ₃
Density	0.66 g/cm ³ (20°C)
CAS number	110-54-3
UN number	1208
EC number	203-777-6
Refractive index	1.374 (20°C)
Boiling Point	69°C(1013hPa)
Molecular Weight	86.18 g/mol
Assay (GC) %	95.0
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Pesticide Specification

Impurities causing interfering peaks on the gas chromatogram are not greater than: 1). 5ng/L of Lindane by ECD 2). 10ng/L of Ethylparathion by PND

Highly flammable Harmful Dangerous for the Environment

F XN N R11 R38 R48/20 R51/53 R62 R65 R67 S09 S16 S29 S33 S36/37 S61 S62

**Pentane 99% (n-) P40**

For gas chromatography & Pesticide Residue analysis	
Chemical formula	CH ₃ (CH ₂) ₃ CH ₃
Density	0.63 g/cm ³ (20°C)
CAS number	109-66-0
UN number	1265
EC number	203-692-4
Refractive index	1.357 (20°C)
Boiling Point	36.1°C (1013hPa)
Molecular Weight	72.15 g/mol
Assay (GC) %	99.0
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Pesticide Specification

Impurities causing interfering peaks on the gas chromatogram are not greater than: 1). 5ng/L of Lindane by ECD 2). 10ng/L of Ethylparathion by PND

Extremely flammable Harmful Dangerous for the Environment

F+ XN N R12 R51/53 R65 R66 R67 S09 S16 S29 S33 S61 S62

**Propan-1-ol P43**

For gas chromatography & Pesticide Residue analysis	
Chemical formula	CH ₃ CH ₂ CH ₂ OH
Density	0.80 g/cm ³ (20°C)
CAS number	71-23-8
UN number	1274
EC number	200-746-9
Refractive index	1.386 (20°C)
Boiling Point	96.5 - 98 °C (1013 hPa)
Molecular Weight	60.10 g/mol
Assay (GC) %	99.5
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Pesticide Specification

Impurities causing interfering peaks on the gas chromatogram are not greater than: 1). 5ng/L of Lindane by ECD 2). 10ng/L of Ethylparathion by PND

Highly flammable Irritant

F Xi R11 R41 R67 S07 S16 S24 S26 S39

**Hexane 99% P36**

For gas chromatography & Pesticide Residue analysis	
Chemical formula	CH ₃ (CH ₂) ₄ CH ₃
Density	0.66 g/cm ³ (20°C)
CAS number	110-54-3
UN number	1208
EC number	203-777-6
Refractive index	1.374 (20°C)
Boiling Point	69°C (1013hPa)
Molecular Weight	86.18 g/mol
Assay (GC) %	99.0
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Pesticide Specification

Impurities causing interfering peaks on the gas chromatogram are not greater than: 1). 5ng/L of Lindane by ECD 2). 10ng/L of Ethylparathion by PND

Highly flammable Harmful Dangerous for the Environment

F XN N R11 R38 R48/20 R51/53 R62 R65 R67 S09 S16 S29 S33 S36/37 S61 S62

**Petroleum Ether 40/60 P41**

For gas chromatography & Pesticide Residue analysis	
Chemical formula	n/a
Density	0.660g/cm ³ (20°C)
CAS number	64742-49-0
UN number	1268
EC number	265-151-9
Refractive index	n/a
Boiling Point	40-60°C (1013hPa)
Molecular Weight	n/a
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Pesticide Specification

Impurities causing interfering peaks on the gas chromatogram are not greater than: 1). 5ng/L of Lindane by ECD 2). 10ng/L of Ethylparathion by PND

Highly flammable Harmful Dangerous for the Environment

F XN N R45 R65 S53 S45

**Propan-2-ol P19**

For gas chromatography & Pesticide Residue analysis	
Chemical formula	(CH ₃) ₂ CHOH
Density	0.786 g/cm ³ (20°C)
CAS number	67-63-0
UN number	1219
EC number	200-661-7
Refractive index	1.377 (20°C)
Boiling Point	82.4°C (1013hPa)
Molecular Weight	60.10 g/mol
Assay (GC) %	99.8
Water (KF) %	0.2
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Pesticide Specification

Impurities causing interfering peaks on the gas chromatogram are not greater than: 1). 5ng/L of Lindane by ECD 2). 10ng/L of Ethylparathion by PND

Highly flammable Irritant

F Xi R11 R36 R67 S07 S16 S24/25 S26



Toluene P22	
For gas chromatography & Pesticide Residue analysis	
Chemical formula	C ₆ H ₅ CH ₃
Density	0.87 g/cm ³ (20°C)
CAS number	108-88-3
UN number	1294
EC number	203-625-9
Refractive index	1.497 (20°C)
Boiling Point	110.6°C (1013 hPa)
Molecular Weight	92.14 g/mol
Assay (GC) %	99.8
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Pesticide Specification

Impurities causing interfering peaks on the gas chromatogram are not greater than: 1). 5ng/L of Lindane by ECD 2). 10ng/L of Ethylparathion by PND

Highly flammable Harmful

F XN R11 R38 R48/20 R63 R65 R67 S36/37 S46 S62



Trimethylpentane (2,2,4-) P21	
For gas chromatography & Pesticide Residue analysis	
Chemical formula	CH ₃ (CH ₃) ₂ CCH ₂ CH(CH ₃) ₂
Density	0.69 g/cm ³ (20°C)
CAS number	540-84-1
UN number	1262
EC number	208-759-1
Refractive index	1.391 (20°C)
Boiling Point	99.2°C (1013 hPa)
Molecular Weight	114.23 g/mol
Assay (GC) %	99.5
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Pesticide Specification

Impurities causing interfering peaks on the gas chromatogram are not greater than: 1). 5ng/L of Lindane by ECD 2). 10ng/L of Ethylparathion by PND

Highly flammable Harmful Dangerous for the Environment

F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62



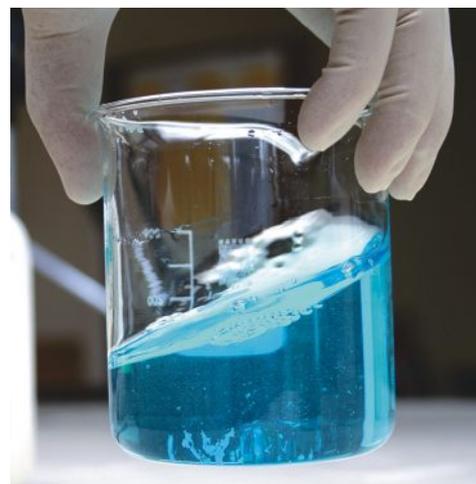
Water P23	
For gas chromatography & Pesticide Residue analysis	
Chemical formula	H ₂ O
Density	1.00g/cm ³ (20°C)
CAS number	7732-18-5
UN number	n/a
EC number	231-791-2
Refractive index	1.333 (20°C)
Boiling Point	100°C (1013 hPa)
Molecular Weight	18.02g/mol
Evaporation Residue (%)	0.0005

Pesticide Specification

Impurities causing interfering peaks on the gas chromatogram are not greater than: 1). 5ng/L of Lindane by ECD 2). 10ng/L of Ethylparathion by PND

With 95 percent of our business taking place outside Poland, we have established a far-reaching distribution network in 58 countries throughout EU, Eastern Europe, North and South America, Middle East.

For more distributor information go to : www.labscan.eu



Anhydrosolan solvent specifications

A wide range of applications call for solvents with water contents down to, Levels ranging from 100ppm to 10ppm. Through a series of modern drying techniques, and suitable packaging conditions, our Anhydrosolan range of solvents will meet the requirements of any hydro sensitive environment.



Acetonitrile 10ppm H70

Anhydro (dried) to a max of 10ppm water	
Chemical formula	C ₂ H ₃ N
Density	0.786 g/cm ³ (20°C)
CAS number	75-05-8
UN number	1648
EC number	200-835-2
Refractive index	1.344 (20°C)
Boiling Point	81.6°C (1013hPa)
Molecular Weight	41.05 g/mol
Assay (GC) %	99.9
Water (KF) %	0.001
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Highly flammable Harmful
XN F R11 R20/21/22 R36 S16 S36/37



Chloroform (Stb EtOH) H07

Anhydro (dried) to a max of 50ppm water	
Chemical formula	CHCl ₃
Density	1.48g/cm ³ (20°C)
CAS number	67-66-3
UN number	1888
EC number	200-663-8
Refractive index	1.446 (20°C)
Boiling Point	61°C (1013hPa)
Molecular Weight	119.38 g/mol
Assay (GC) %	99.8
Water (KF) %	0.005
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser ethanol (%) ~	1

Harmful
XN R22 R38 R40 R48/20/22 S36/37



Dimethylformamide H33

Anhydro (dried) to a max of 100ppm water	
Chemical formula	HCON(CH ₃) ₂
Density	0.949 g/cm ³ (20°C)
CAS number	4472-41-7
UN number	2265
EC number	224-745-8
Refractive index	1.43 (20°C)
Boiling Point	152°C (1013 hPa)
Molecular Weight	73.09 g/mol
Assay (GC) %	99.8
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Harmful Toxic
XN T R36 R20/21 R61 S45 S53



Acetonitrile 30ppm H71

Anhydro (dried) to a max of 30ppm water	
Chemical formula	C ₂ H ₃ N
Density	0.786 g/cm ³ (20°C)
CAS number	75-05-8
UN number	1648
EC number	200-835-2
Refractive index	1.344 (20°C)
Boiling Point	81.6°C (1013hPa)
Molecular Weight	41.05 g/mol
Assay (GC) %	99.9
Water (KF) %	0.003
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Highly flammable Harmful
XN F R11 R20/21/22 R36 S16 S36/37



Dichloromethane (Stb Amyl) H10

Anhydro (dried) to a max of 50ppm water	
Chemical formula	CH ₂ Cl ₂
Density	1.33g/cm ³ (20°C)
CAS number	75-09-2
UN number	1593
EC number	200-838-9
Refractive index	1.426 (20°C)
Boiling Point	40°C (1013hPa)
Molecular Weight	84.93 g/mol
Assay (GC) %	99.8
Water (KF) %	0.005
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser amylene (ppm) ~	50

Harmful
XN R40 S23 S24/25 S36/37



Dimethylsulphoxide H34

Anhydro (dried) to a max of 200ppm water	
Chemical formula	(CH ₃) ₂ SO
Density	1.10g/cm ³ (20°C)
CAS number	67-68-5
UN number	n/a
EC number	200-664-3
Refractive index	1.479 (20°C)
Boiling Point	189°C (1013 hPa)
Molecular Weight	78.13 g/mol
Assay (GC) %	99.5
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.05

Chloroform (Stb Amyl) H05

Anhydro (dried) to a max of 50ppm water	
Chemical formula	CHCl ₃
Density	1.48g/cm ³ (20°C)
CAS number	67-66-3
UN number	1888
EC number	200-663-8
Refractive index	1.446 (20°C)
Boiling Point	61°C (1013hPa)
Molecular Weight	119.38 g/mol
Assay (GC) %	99.8
Water (KF) %	0.005
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser amylene (ppm) ~	50

Harmful
XN R22 R38 R40 R48/20/22 S36/37



Diethyl Ether (Stb BHT) H11

Anhydro (dried) to a max of 100ppm water	
Chemical formula	(C ₂ H ₅) ₂ O
Density	0.71 g/cm ³ (20°C)
CAS number	60-29-7
UN number	1155
EC number	200-467-2
Refractive index	1.352 (20°C)
Boiling Point	34.6°C (1013 hPa)
Molecular Weight	74.12 g/mol
Assay (GC) %	99.5
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Stabiliser BHT (ppm) ~	5

Extremely flammable Harmful
F+ XN R12 R19 R22 R66 R67 S09 S16 S29 S33



Dioxan (1,4-) H12

Anhydro (dried) to a max of 50ppm water	
Chemical formula	C ₈ H ₁₆ O ₂
Density	1.03g/cm ³ (20°C)
CAS number	123-91-1
UN number	1165
EC number	204-661-8
Refractive index	1.422 (20°C)
Boiling Point	101.5°C (1013 hPa)
Molecular Weight	88.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.005
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Highly flammable Harmful
F XN R11 R19 R36/37 R40 R66 S09 S16 S36/37 S46



Dioxan (1,4-) (StbBHT) 1L H49

Anhydro (dried) to a max of 50ppm water	
Chemical formula	C ₈ H ₈ O ₂
Density	1.03g/cm ³ (20°C)
CAS number	123-91-1
UN number	1165
EC number	204-661-8
Refractive index	1.422 (20°C)
Boiling Point	101.5°C (1013 hPa)
Molecular Weight	88.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.005
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Stabiliser BHT (ppm) ~	25

Highly flammable Harmful
 XN F R11 R19 R36/37 R40 R66 S09 S16 S36/37 S46

**Hexane 99% H36**

Anhydro (dried) to a max of 50ppm water	
Chemical formula	CH ₃ (CH ₂) ₄ CH ₃
Density	0.66 g/cm ³ (20°C)
CAS number	110-54-3
UN number	1208
EC number	203-777-6
Refractive index	1.374 (20°C)
Boiling Point	69°C (1013hPa)
Molecular Weight	86.18 g/mol
Assay (GC) %	99.0
Water (KF) %	0.005
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Highly flammable Harmful Dangerous for the Environment
 F XN N R11 R38 R48/20 R51/53 R62 R65 R67 S09 S16 S29 S33 S36/37 S61 S62

**Pyridine H44**

Anhydro (dried) to a max of 100ppm water	
Chemical formula	C ₅ H ₅ N
Density	0.98 g/cm ³ (20°C)
CAS number	110-86-1
UN number	1282
EC number	203-809-9
Refractive index	1.51 (20°C)
Boiling Point	115°C (1013 hPa)
Molecular Weight	79.10 g/mol
Assay (GC) %	99.5
Water (KF) %	0.01
Evaporation Residue (%)	0.002

Highly flammable Harmful
 F XN R11 R20/21/22 S26 S28

**Ethyl Acetate H13**

Anhydro (dried) to a max of 100ppm water	
Chemical formula	CH ₃ COOC ₂ H ₅
Density	0.90 g/cm ³ (20°C)
CAS number	141-78-6
UN number	1173
EC number	205-500-4
Refractive index	1.372 (20°C)
Boiling Point	77°C (1013hPa)
Molecular Weight	88.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Highly flammable Irritant
 F XI R11 R36 R66 R67 S16 S26 S33

**Methanol H17**

Anhydro (dried) to a max of 100ppm water	
Chemical formula	CH ₃ OH
Density	0.79 g/cm ³ (20°C)
CAS number	67-56-1
UN number	1230
EC number	200-659-6
Refractive index	1.328 (20°C)
Boiling Point	64.5°C (1013 hPa)
Molecular Weight	32.04 g/mol
Assay (GC) %	99.9
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Highly flammable Toxic
 F T R11 R23/24/25 R39/23/24/25 S07 S16 S36/37 S45

**Tetrahydrofuran H20**

Anhydro (dried) to a max of 50ppm water	
Chemical formula	C ₄ H ₈ O
Density	0.89 g/cm ³ (20°C)
CAS number	109-99-9
UN number	2056
EC number	203-726-8
Refractive index	1.407 (20°C)
Boiling Point	65-66°C (1013hPa)
Molecular Weight	72.11 g/mol
Assay (GC) %	99.9
Water (KF) %	0.005
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Highly flammable Irritant
 F XI R11 R19 R36/37 S16 S29 S33

**Heptane 99% H35**

Anhydro (dried) to a max of 50ppm water	
Chemical formula	CH ₃ (CH ₂) ₅ CH ₃
Density	0.68 g/cm ³ (20°C)
CAS number	142-82-5
UN number	1206
EC number	205-563-8
Refractive index	1.388 (20°C)
Boiling Point	98.4°C (1013 hPa)
Molecular Weight	100.21 g/mol
Assay (GC) %	99.0
Water (KF) %	0.005
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Highly flammable Harmful Dangerous for the Environment
 F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62

**Methyl-2-pyrrolidone (n-) H38**

Anhydro (dried) to a max of 220ppm water	
Chemical formula	C ₅ H ₉ NO
Density	1.03g/cm ³ (20°C)
CAS number	872-50-4
UN number	n/a
EC number	212-828-1
Refractive index	1.488 (20°C)
Boiling Point	202°C (1013 hPa)
Molecular Weight	99.13 g/mol
Assay (GC) %	99.5
Water (KF) %	0.022
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Irritant
 XI R36/38 S41

**Tetrahydrofuran (Stb BHT) H47**

Anhydro (dried) to a max of 50ppm water	
Chemical formula	C ₄ H ₈ O
Density	0.89 g/cm ³ (20°C)
CAS number	109-99-9
UN number	2056
EC number	203-726-8
Refractive index	1.407 (20°C)
Boiling Point	65-66°C (1013 hPa)
Molecular Weight	72.11 g/mol
Assay (GC) %	99.9
Water (KF) %	0.005
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.03
Stabiliser BHT (ppm)~	250

Highly flammable Irritant
 XI F R11 R19 R36/37 S16 S29 S33



Toluene		H22
Anhydro (dried) to a max of	50ppm water	
Chemical formula	$C_6H_5CH_3$	
Density	0.87 g/cm ³ (20°C)	
CAS number	108-88-3	
UN number	1294	
EC number	203-625-9	
Refractive index	1.497 (20°C)	
Boiling Point	110.6°C (1013 hPa)	
Molecular Weight	92.14 g/mol	
Assay (GC) %	99.8	
Water (KF) %	0.005	
Acidity (mEq/g)	0.0005	
Evaporation Residue (%)	0.0005	

Highly flammable Harmful
 F XN R11 R38 R48/20 R63 R65 R67 S36/37 S46 S62



Labscan solvents can be formulated for general analytical use or specialised industrial use. Our products are used in a wide range of industries - pharmaceuticals, healthcare, electronics, agribusiness, biotechnology, petroleum and gas - and in research by private organisations and public bodies such as universities.



Anhydrosolan with molecular sieve specifications

Anhydrosolan solvents, stored under molecular sieve, offers the end user the low water content of our Anhydrosolan range, combined with the security of not increasing moisture levels in the short term of the product being used.



Acetonitrile 10ppm V70

Anhydro (dried) to a max of 10ppm water and stored under molecular sieve

Chemical formula	C ₂ H ₃ N
Density	0.786 g/cm ³ (20°C)
CAS number	75-05-8
UN number	1648
EC number	200-835-2
Refractive index	1.344 (20°C)
Boiling Point	81.6°C (1013hPa)
Molecular Weight	41.05 g/mol
Assay (GC) %	99.9
Water (KF) %	0.001
Acidity (mEq/g)	0.0005

Highly flammable Harmful
XN F R11 R20/21/22 R36 S16 S36/37



Dichloromethane (Stb Amyl) V10

Anhydro (dried) to a max of 50ppm water and stored under molecular sieve

Chemical formula	CH ₂ Cl ₂
Density	1.33g/cm ³ (20°C)
CAS number	75-09-2
UN number	1593
EC number	200-838-9
Refractive index	1.426 (20°C)
Boiling Point	40°C (1013hPa)
Molecular Weight	84.93 g/mol
Assay (GC) %	99.8
Water (KF) %	0.005
Acidity (mEq/g)	0.0005
Stabiliser Amylene (ppm)~	50

Harmful
XN R40 S23 S24/25 S36/37



Dimethylformamide V33

Anhydro (dried) to a max of 100ppm water and stored under molecular sieve

Chemical formula	HCON(CH ₃) ₂
Density	0.949 g/cm ³ (20°C)
CAS number	4472-41-7
UN number	2265
EC number	224-745-8
Refractive index	1.43 (20°C)
Boiling Point	152°C (1013 hPa)
Molecular Weight	73.09 g/mol
Assay (GC) %	99.8
Water (KF) %	0.01
Acidity (mEq/g)	0.0005

Harmful Toxic
XN T R36 R20/21 R61 S45 S53



Acetonitrile 30ppm V71

Anhydro (dried) to a max of 30ppm water and stored under molecular sieve

Chemical formula	C ₂ H ₃ N
Density	0.786 g/cm ³ (20°C)
CAS number	75-05-8
UN number	1648
EC number	200-835-2
Refractive index	1.344 (20°C)
Boiling Point	81.6°C (1013hPa)
Molecular Weight	41.05 g/mol
Assay (GC) %	99.9
Water (KF) %	0.003
Acidity (mEq/g)	0.0005

Highly flammable Harmful
XN F R11 R20/21/22 R36 S16 S36/37



Diethyl Ether (Stb BHT) V11

Anhydro (dried) to a max of 100ppm water and stored under molecular sieve

Chemical formula	(C ₂ H ₅) ₂ O
Density	0.71 g/cm ³ (20°C)
CAS number	60-29-7
UN number	1155
EC number	200-467-2
Refractive index	1.352 (20°C)
Boiling Point	34.6°C (1013 hPa)
Molecular Weight	74.12 g/mol
Assay (GC) %	99.5
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Stabiliser BHT (ppm)~	5

Extremely flammable Harmful
F+ XN R12 R19 R22 R66 R67 S09 S16 S29 S33



Dimethylsulphoxide V34

Anhydro (dried) to a max of 200ppm water and stored under molecular sieve

Chemical formula	(CH ₃) ₂ SO
Density	1.10g/cm ³ (20°C)
CAS number	67-68-5
UN number	n/a
EC number	200-664-3
Refractive index	1.479 (20°C)
Boiling Point	189°C (1013 hPa)
Molecular Weight	78.13 g/mol
Assay (GC) %	99.5
Water (KF) %	0.02
Acidity (mEq/g)	0.0005

Chloroform (Stb Amyl) V05

Anhydro (dried) to a max of 50ppm water and stored under molecular sieve

Chemical formula	CHCl ₃
Density	1.48g/cm ³ (20°C)
CAS number	67-66-3
UN number	1888
EC number	200-663-8
Refractive index	1.446 (20°C)
Boiling Point	61°C (1013hPa)
Molecular Weight	119.38 g/mol
Assay (GC) %	99.8
Water (KF) %	0.005
Acidity (mEq/g)	0.0005
Stabiliser Amylene (ppm)~	50

Harmful
XN R22 R38 R40 R48/20/22 S36/37



Dioxan (1,4-) V12

Anhydro (dried) to a max of 50ppm water and stored under molecular sieve

Chemical formula	C ₄ H ₈ O ₂
Density	1.03g/cm ³ (20°C)
CAS number	123-91-1
UN number	1165
EC number	204-661-8
Refractive index	1.422 (20°C)
Boiling Point	101.5°C (1013 hPa)
Molecular Weight	88.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.005
Acidity (mEq/g)	0.0005

Highly flammable Harmful
F XN R11 R19 R36/37 R40 R66 S09 S16 S36/37 S46



Ethyl Acetate V13

Anhydro (dried) to a max of 100ppm water and stored under molecular sieve

Chemical formula	CH ₃ COOC ₂ H ₅
Density	0.90 g/cm ³ (20°C)
CAS number	141-78-6
UN number	1173
EC number	205-500-4
Refractive index	1.372 (20°C)
Boiling Point	77°C (1013hPa)
Molecular Weight	88.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.01
Acidity (mEq/g)	0.0005

Highly flammable Irritant
F Xi R11 R36 R66 R67 S16 S26 S33



Methanol V17

Anhydro (dried) to a max of 100ppm water and stored under molecular sieve	
Chemical formula	CH ₃ OH
Density	0.79 g/cm ³ (20°C)
CAS number	67-56-1
UN number	1230
EC number	200-659-6
Refractive index	1.328 (20°C)
Boiling Point	64.5°C (1013 hPa)
Molecular Weight	32.04 g/mol
Assay (GC) %	99.9
Water (KF) %	0.01
Acidity (mEq/g)	0.0005

Highly flammable Toxic

F T R11 R23/24/25 R39/23/24/25 S07 S16 S36/37 S45

**Tetrahydrofuran V20**

Anhydro (dried) to a max of 50ppm water and stored under molecular sieve	
Chemical formula	C ₄ H ₈ O
Density	0.89 g/cm ³ (20°C)
CAS number	109-99-9
UN number	2056
EC number	203-726-8
Refractive index	1.407 (20°C)
Boiling Point	65-66°C (1013hPa)
Molecular Weight	72.11 g/mol
Assay (GC) %	99.9
Water (KF) %	0.005
Acidity (mEq/g)	0.0005

Highly flammable Irritant

F XI R11 R19 R36/37 S16 S29 S33

**Methyl-2-pyrrolidone (n-) V38**

Anhydro (dried) to a max of 100ppm water and stored under molecular sieve	
Chemical formula	C ₅ H ₉ NO
Density	1.03g/cm ³ (20°C)
CAS number	872-50-4
UN number	n/a
EC number	212-828-1
Refractive index	1.488 (20°C)
Boiling Point	202°C (1013 hPa)
Molecular Weight	99.13 g/mol
Assay (GC) %	99.5
Water (KF) %	0.022
Acidity (mEq/g)	0.0005

Irritant

XI R36/38 S41

**Tetrahydrofuran (Stb BHT) V47**

Anhydro (dried) to a max of 50ppm water and stored under molecular sieve	
Chemical formula	C ₄ H ₈ O
Density	0.89 g/cm ³ (20°C)
CAS number	109-99-9
UN number	2056
EC number	203-726-8
Refractive index	1.407 (20°C)
Boiling Point	65-66°C (1013 hPa)
Molecular Weight	72.11 g/mol
Assay (GC) %	99.9
Water (KF) %	0.005
Acidity (mEq/g)	0.0005

Highly flammable Irritant

XI F R11 R19 R36/37 S16 S29 S33

**Pyridine V44**

Anhydro (dried) to a max of 100ppm water	
Chemical formula	C ₅ H ₅ N
Density	0.98 g/cm ³ (20°C)
CAS number	110-86-1
UN number	1282
EC number	203-809-9
Refractive index	1.51 (20°C)
Boiling Point	115°C (1013 hPa)
Molecular Weight	79.10 g/mol
Assay (GC) %	99.5
Water (KF) %	0.01

Highly flammable Harmful

F XN R11 R20/21/22 S26 S28

**Toluene V22**

Anhydro (dried) to a max of 50ppm water and stored under molecular sieve	
Chemical formula	C ₆ H ₅ CH ₃
Density	0.87 g/cm ³ (20°C)
CAS number	108-88-3
UN number	1294
EC number	203-625-9
Refractive index	1.497 (20°C)
Boiling Point	110.6°C (1013 hPa)
Molecular Weight	92.14 g/mol
Assay (GC) %	99.5
Water (KF) %	0.005
Acidity (mEq/g)	0.0005

Highly flammable Harmful

F XN R11 R38 R48/20 R63 R65 R67 S36/37 S46 S62



Spectroscan solvent specifications

The Spectroscan range of solvents are designed for use in UV-IR Spectroscopy. The combination of FT-IR and UV analysis, guarantees a high performing product, consistently.



Acetone S01

For use in spectroscopy analysis	
Chemical formula	CH ₃ COCH ₃
Density	0.79 g/cm ³ (20°C)
CAS number	67-64-1
UN number	1090
EC number	200-662-2
Refractive index	1.359 (20°C)
Boiling Point	56.2°C (1013hPa)
Molecular Weight	58.08 g/mol
Assay (GC) %	99.8
Water (KF) %	0.2
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
350	98
340	85
330	20

Highly flammable Irritant
F XI R11 R36 R66 R67 S09 S16 S26



Chloroform (Stb EtOH) S07

For use in spectroscopy analysis	
Chemical formula	CHCl ₃
Density	1.48g/cm ³ (20°C)
CAS number	67-66-3
UN number	1888
EC number	200-663-8
Refractive index	1.446 (20°C)
Boiling Point	61°C (1013hPa)
Molecular Weight	119.38 g/mol
Assay (GC) %	99.8
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser Ethanol (%)~	1
UV Wavelength/nm	% Transmission
280	98
260	90
250	50

Harmful
XN R22 R38 R40 R48/20/22 S36/37



Dichloromethane (Stb Amyl) S10

For use in spectroscopy analysis	
Chemical formula	CH ₂ Cl ₂
Density	1.33g/cm ³ (20°C)
CAS number	75-09-2
UN number	1593
EC number	200-838-9
Refractive index	1.426 (20°C)
Boiling Point	40°C (1013hPa)
Molecular Weight	84.93 g/mol
Assay (GC) %	99.8
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser Amylene (ppm)~	50
UV Wavelength/nm	% Transmission
260	98
250	90
240	80
230	5

Harmful
XN R40 S23 S24/25 S36/37



Acetonitrile S02

For use in spectroscopy analysis	
Chemical formula	C ₂ H ₃ N
Density	0.786 g/cm ³ (20°C)
CAS number	75-05-8
UN number	1648
EC number	200-835-2
Refractive index	1.344 (20°C)
Boiling Point	81.6°C (1013hPa)
Molecular Weight	41.05 g/mol
Assay (GC) %	99.9
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
230	98
220	97
210	95
200	90

Highly flammable Harmful
F XN R11 R20/21/22 R36 S16 S36/37



Cyclohexane S08

For use in spectroscopy analysis	
Chemical formula	C ₆ H ₁₂
Density	0.78 g/cm ³ (20°C)
CAS number	110-82-7
UN number	1145
EC number	203-806-2
Refractive index	1.426 (20°C)
Boiling Point	81°C (1013hPa)
Molecular Weight	84.16 g/mol
Assay (GC) %	99.5
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
250	98
240	90
230	80
220	50

Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R50/53 R65 R67 S09 S16 S25 S33 S60 S61 S62



Diethyl Ether (Stb BHT) S11

For use in spectroscopy analysis	
Chemical formula	(C ₂ H ₅) ₂ O
Density	0.71 g/cm ³ (20°C)
CAS number	60-29-7
UN number	1155
EC number	200-467-2
Refractive index	1.352 (20°C)
Boiling Point	34.6°C (1013 hPa)
Molecular Weight	74.12 g/mol
Assay (GC) %	99.5
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser BHT (ppm)~	5
UV Wavelength/nm	% Transmission
280	98
270	95
260	90
250	75
230	40

Extremely flammable Harmful
F+ XN R12 R19 R22 R66 R67 S09 S16 S29 S33



Butan-1-ol S29

For use in spectroscopy analysis	
Chemical formula	CH ₃ (CH ₂) ₃ OH
Density	0.81 g/cm ³ (20°C)
CAS number	71-36-3
UN number	1120
EC number	200-751-6
Refractive index	1.399 (20°C)
Boiling Point	116 - 118°C (1013hPa)
Molecular Weight	74.12 g/mol
Assay (GC) %	99.8
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
270	98
250	95
230	60
220	30

Harmful
XN R10 R22 R37/38 R41 R67 S07/09 S13 S26 S37/39 S46



Dichloroethane S31

For use in spectroscopy analysis	
Chemical formula	C1CH ₂ CH ₂ Cl
Density	1.25g/cm ³ (20°C)
CAS number	107-06-2
UN number	1184
EC number	203-458-1
Refractive index	1.445 (20°C)
Boiling Point	83.5 - 84.1°C (1013hPa)
Molecular Weight	98.97 g/mol
Assay (GC) %	99.8
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
260	98
250	90
240	80
230	30

Highly flammable Toxic
F T R11 R45 R22 R36/37/38 S53 S45



Dimethylformamide S33

For use in spectroscopy analysis	
Chemical formula	HCON(CH ₃) ₂
Density	0.949 g/cm ³ (20°C)
CAS number	4472-41-7
UN number	2265
EC number	224-745-8
Refractive index	1.43 (20°C)
Boiling Point	152°C (1013 hPa)
Molecular Weight	73.09 g/mol
Assay (GC) %	99.8
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
330	98
300	90
290	80
280	70
270	30

Harmful Toxic
XN T R36 R20/21 R61 S45 S53



Dimethylsulphoxide S34

For use in spectroscopy analysis	
Chemical formula	(CH ₃) ₂ SO
Density	1.10g/cm ³ (20°C)
CAS number	67-68-5
UN number	n/a
EC number	200-664-3
Refractive index	1.479 (20°C)
Boiling Point	189°C (1013 hPa)
Molecular Weight	78.13 g/mol
Assay (GC) %	99.5
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
350	98
340	95
330	90
300	80

Heptane 99% (n-) S35

For use in spectroscopy analysis	
Chemical formula	CH ₃ (CH ₂) ₆ CH ₃
Density	0.68 g/cm ³ (20°C)
CAS number	142-82-5
UN number	1206
EC number	205-563-8
Refractive index	1.388 (20°C)
Boiling Point	98.4°C (1013 hPa)
Molecular Weight	100.21 g/mol
Assay (GC) %	99.0
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
250	98
230	90
220	80
210	50
200	10

Pentane 99% (n-) S40

For use in spectroscopy analysis	
Chemical formula	CH ₃ (CH ₂) ₄ CH ₃
Density	0.63 g/cm ³ (20°C)
CAS number	109-66-0
UN number	1265
EC number	203-692-4
Refractive index	1.357 (20°C)
Boiling Point	36.1°C (1013hPa)
Molecular Weight	72.15 g/mol
Assay (GC) %	99.0
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
240	98
230	95
220	85
210	60
200	20

Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62



Extremely flammable Harmful Dangerous for the Environment
F+ XN N R12 R51/53 R65 R66 R67 S09 S16 S29 S33 S61 S62

**Dioxan (1,4-) S12**

For use in spectroscopy analysis	
Chemical formula	C ₈ H ₁₆ O ₂
Density	1.03g/cm ³ (20°C)
CAS number	123-91-1
UN number	1165
EC number	204-661-8
Refractive index	1.422 (20°C)
Boiling Point	101.5°C (1013 hPa)
Molecular Weight	88.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
310	98
300	97
290	95
280	85
270	70

Highly flammable Harmful
F XN R11 R19 R36/37 R40 R66 S09 S16 S36/37 S46

**Hexane 99% (n-) S36**

For use in spectroscopy analysis	
Chemical formula	CH ₃ (CH ₂) ₄ CH ₃
Density	0.66 g/cm ³ (20°C)
CAS number	110-54-3
UN number	1208
EC number	203-777-6
Refractive index	1.374 (20°C)
Boiling Point	69°C (1013hPa)
Molecular Weight	86.18 g/mol
Assay (GC) %	99.0
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
250	98
240	95
220	85
210	60

Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R48/20 R51/53 R62 R65 R67 S09 S16 S29 S33 S36/37 S61 S62

**Propan-2-ol S19**

For use in spectroscopy analysis	
Chemical formula	(CH ₃) ₂ CHOH
Density	0.786 g/cm ³ (20°C)
CAS number	67-63-0
UN number	1219
EC number	200-661-7
Refractive index	1.377 (20°C)
Boiling Point	82.4°C (1013hPa)
Molecular Weight	60.10 g/mol
Assay (GC) %	99.8
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
260	98
250	95
230	75
220	55
210	25

Highly flammable Irritant
F XI R11 R36 R67 S07 S16 S24/25 S26

**Ethyl Acetate S13**

For use in spectroscopy analysis	
Chemical formula	CH ₃ COOC ₂ H ₅
Density	0.90 g/cm ³ (20°C)
CAS number	141-78-6
UN number	1173
EC number	205-500-4
Refractive index	1.372 (20°C)
Boiling Point	77°C (1013hPa)
Molecular Weight	88.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
280	98
270	95
260	75

Highly flammable Irritant
F XI R11 R36 R66 R67 S16 S26 S33

**Methanol S17**

For use in spectroscopy analysis	
Chemical formula	CH ₃ OH
Density	0.79 g/cm ³ (20°C)
CAS number	67-56-1
UN number	1230
EC number	200-659-6
Refractive index	1.328 (20°C)
Boiling Point	64.5°C (1013 hPa)
Molecular Weight	32.04 g/mol
Assay (GC) %	99.9
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
260	98
250	95
240	90
230	75
220	55
210	30

Highly flammable Toxic
F T R11 R23/24/25 R39/23/24/25 S07 S16 S36/37 S45

**Pyridine S44**

For use in spectroscopy analysis	
Chemical formula	C ₅ H ₅ N
Density	0.98 g/cm ³ (20°C)
CAS number	110-86-1
UN number	1282
EC number	203-809-9
Refractive index	1.51 (20°C)
Boiling Point	115°C (1013 hPa)
Molecular Weight	79.10 g/mol
Assay (GC) %	99.5
Water (KF) %	0.07
Acidity (mEq/g)	n/a
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
400	99
370	95
350	90
340	80
330	20

Highly flammable Harmful
F XN R11 R20/21/22 S26 S28



Tetrachloroethylene S51

For use in spectroscopy analysis	
Chemical formula	C ₂ Cl ₄
Density	1.62g/cm ³ (20°C)
CAS number	127-18-4
UN number	1897
EC number	204-825-9
Refractive index	1.506 (20°C)
Boiling Point	121°C (1013hPa)
Molecular Weight	165.83 g/mol
Assay (GC) %	99.9
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
400	95
350	89
310	85
295	60
290	15

Harmful Dangerous for the Environment
R40 R51/53 S23 S36/37 S61

**Trimethylpentane (2,2,4-) S21**

For use in spectroscopy analysis	
Chemical formula	CH ₃ (CH ₃) ₂ CCH ₂ CH(CH ₃) ₂
Density	0.69 g/cm ³ (20°C)
CAS number	540-84-1
UN number	1262
EC number	208-759-1
Refractive index	1.391 (20°C)
Boiling Point	99.2°C (1013 hPa)
Molecular Weight	114.23 g/mol
Assay (GC) %	99.5
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
250	98
240	95
230	90

Highly flammable Harmful Dangerous for the Environment
F+ XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62

**Tetrahydrofuran S20**

For use in spectroscopy analysis	
Chemical formula	C ₄ H ₈ O
Density	0.89 g/cm ³ (20°C)
CAS number	109-99-9
UN number	2056
EC number	203-726-8
Refractive index	1.407 (20°C)
Boiling Point	65-66°C (1013 hPa)
Molecular Weight	72.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
300	98
280	95
260	75
250	60

Highly flammable Irritant
F+ Xi R11 R19 R36/37 S16 S29 S33

**Toluene S22**

For use in spectroscopy analysis	
Chemical formula	C ₆ H ₅ CH ₃
Density	0.87 g/cm ³ (20°C)
CAS number	108-88-3
UN number	1294
EC number	203-625-9
Refractive index	1.497 (20°C)
Boiling Point	110.6°C (1013 hPa)
Molecular Weight	92.14 g/mol
Assay (GC) %	99.8
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
350	98
340	96
330	95
320	90

Highly flammable Harmful
F+ XN R11 R38 R48/20 R63 R65 R67 S36/37 S46 S62



LC-MaScan solvent specifications

Labscan introduces a new generation of ultra hi-purity solvents for LC-MS applications. Combining the best of our Chromoscan and Pestiscan products, coupled with low metal contents, LC-MaScan solvents are a very powerful product - which can be used in the most exacting of conditions.



Acetonitrile L02

For LCMS grade analysis	
Chemical formula	C ₂ H ₃ N
Density	0.786 g/cm ³ (20°C)
CAS number	75-05-8
UN number	1648
EC number	200-835-2
Refractive index	1.344 (20°C)
Boiling Point	81.6°C (1013hPa)
Molecular Weight	41.05 g/mol
Assay (GC) %	99.9
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
HPLC Gradient λ 210 nm (mAU)	3
HPLC Gradient λ 254 nm (mAU)	1
UV Wavelength/nm	% Transmission
230	99
220	98
210	93
200	80
190	30
Filtration (0.2 μm)	pass

Highly flammable Harmful
F XN R22 R38 R40 R48/20/22 S36/37



Methanol L17

For LCMS grade analysis	
Chemical formula	CH ₃ OH
Density	0.79 g/cm ³ (20°C)
CAS number	67-56-1
UN number	1230
EC number	200-659-6
Refractive index	1.328 (20°C)
Boiling Point	64.5°C (1013 hPa)
Molecular Weight	32.04 g/mol
Assay (GC) %	99.9
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
HPLC Gradient λ 235 nm (mAU)	2
UV Wavelength/nm	% Transmission
250	99
240	98
230	90
220	75
210	65
Filtration (0.2 μm)	pass

Highly flammable Toxic
F T R11 R23/24/25 R39/23/24/25 S07 S16 S36/37 S45



Tetrahydrofuran L20

For LCMS grade analysis	
Chemical formula	C ₄ H ₈ O
Density	0.89 g/cm ³ (20°C)
CAS number	109-99-9
UN number	2056
EC number	203-726-8
Refractive index	1.407 (20°C)
Boiling Point	65-66°C (1013hPa)
Molecular Weight	72.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
UV Wavelength/nm	% Transmission
280	99
270	98
260	90
250	80
240	70

Highly flammable Irritant
F XI R11 R19 R36/37 S16 S29 S33



Ethyl Acetate L13

For LCMS grade analysis	
Chemical formula	CH ₃ COOC ₂ H ₅
Density	0.90 g/cm ³ (20°C)
CAS number	141-78-6
UN number	1173
EC number	205-500-4
Refractive index	1.372 (20°C)
Boiling Point	77°C (1013hPa)
Molecular Weight	88.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
300	99
280	95
270	90
260	70

Highly flammable Irritant
F XI R11 R36 R66 R67 S16 S26 S33



Propan-2-ol L19

For LCMS grade analysis	
Chemical formula	(CH ₃) ₂ CHOH
Density	0.786 g/cm ³ (20°C)
CAS number	67-63-0
UN number	1219
EC number	200-661-7
Refractive index	1.377 (20°C)
Boiling Point	82.4°C (1013hPa)
Molecular Weight	60.10 g/mol
Assay (GC) %	99.8
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
250	99
240	98
230	80
220	60
210	40

Highly flammable Irritant
F XI R11 R36 R67 S07 S16 S24/25 S26



Water L23

For LCMS grade analysis	
Chemical formula	H ₂ O
Density	1.00g/cm ³ (20°C)
CAS number	7732-18-5
UN number	n/a
EC number	231-791-2
Refractive index	1.333 (20°C)
Boiling Point	100°C (1013 hPa)
Colour	5 Hz
Conductivity (μS/cm)	<2
TOC %	<0.2
Phenolphthalein	Nil
HPLC Gradient λ 254 nm (mAU)	2
Filtration (0.2 μm)	pass



LC-MaScan (LCMS) Specification

Impurities causing interfering peaks on the gas chromatogram are not greater than: 1). 5ng/L of Lindane by ECD 2). 10ng/L of Ethylparathion by PND except tetrahydrofurane L20

Metal Content

Sodium	Max 0.1ppm
Potassium	Max 0.1ppm
Calcium	Max 0.1ppm
Magnesium	Max 0.1ppm



Enviroscan Capillary GC specifications

Through a multi stage purification process, and the sharp focus on organic and halogenated impurities, Enviroscan Capillary GC Grade solvents are specifically manufactured for trace environmental analysis by capillary GC and GC-MS.



Acetone E01

For trace environ. analy. by Capillary GC and GC-MS	
Chemical formula	CH ₃ COCH ₃
Density	0.79 g/cm ³ (20°C)
CAS number	67-64-1
UN number	1090
EC number	200-662-2
Refractive index	1.359 (20°C)
Boiling Point	56.2°C (1013hPa)
Molecular Weight	58.08 g/mol
Assay (GC) %	99.9
Water (KF) %	0.3
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Organic Residue < (ng/ml) 10 (as octanol by GC/FID)
Halogenated Residue < (ng/l) 5 (as lindane by GC/ECD)

Highly flammable Irritant
F XI R11 R36 R66 R67 S09 S16 S26



Ethyl Acetate E13

For trace environ. analy. by Capillary GC and GC-MS	
Chemical formula	CH ₃ COOC ₂ H ₅
Density	0.90 g/cm ³ (20°C)
CAS number	141-78-6
UN number	1173
EC number	205-500-4
Refractive index	1.372 (20°C)
Boiling Point	77°C (1013hPa)
Molecular Weight	88.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Organic Residue < (ng/ml) 10 (as octanol by GC/FID)
Halogenated Residue < (ng/l) 5 (as lindane by GC/ECD)

Highly flammable Irritant
F XI R11 R36 R66 R67 S16 S26 S33



Pentane E40

For trace environ. analy. by Capillary GC and GC-MS	
Chemical formula	CH ₃ (CH ₂) ₃ CH ₃
Density	0.63 g/cm ³ (20°C)
CAS number	109-66-0
UN number	1265
EC number	203-692-4
Refractive index	1.357 (20°C)
Boiling Point	36.1°C (1013hPa)
Molecular Weight	72.15 g/mol
Assay (GC) %	99.0
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Organic Residue < (ng/ml) 10 (as octanol by GC/FID)
Halogenated Residue < (ng/l) 5 (as lindane by GC/ECD)

Extremely flammable Harmful Dangerous for the Environment
F+ XN N R12 R51/53 R65 R66 R67 S09 S16 S29 S33 S61 S62



Chloroform (Stb EtOH) E07

For trace environ. analy. by Capillary GC and GC-MS	
Chemical formula	CHCl ₃
Density	1.48g/cm ³ (20°C)
CAS number	67-66-3
UN number	1888
EC number	200-663-8
Refractive index	1.446 (20°C)
Boiling Point	61°C (1013hPa)
Molecular Weight	119.38 g/mol
Assay (GC) %	99.9
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser ethanol (%) ~	1

Organic Residue < (ng/ml) 10 (as octanol by GC/FID)
Halogenated Residue < (ng/l) 5 (as lindane by GC/ECD)

Harmful
XN R22 R38 R40 R48/20/22 S36/37



Hexane E36

For trace environ. analy. by Capillary GC and GC-MS	
Chemical formula	CH ₃ (CH ₂) ₄ CH ₃
Density	0.66 g/cm ³ (20°C)
CAS number	110-54-3
UN number	1208
EC number	203-777-6
Refractive index	1.374 (20°C)
Boiling Point	69°C (1013hPa)
Molecular Weight	86.18 g/mol
Assay (GC) %	99.0
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Organic Residue < (ng/ml) 10 (as octanol by GC/FID)
Halogenated Residue < (ng/l) 5 (as lindane by GC/ECD)

Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R48/20 R51/53 R62 R65 R67 S09 S16 S29 S33 S36/37 S61 S62



Petroleum Ether 40/60 E41

For trace environ. analy. by Capillary GC and GC-MS	
Chemical formula	n/a
Density	0.660g/cm ³ (20°C)
CAS number	64742-49-0
UN number	1268
EC number	265-151-9
Refractive index	n/a
Boiling Point	40-60°C (1013hPa)
Molecular Weight	n/a
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Organic Residue < (ng/ml) 10 (as octanol by GC/FID)
Halogenated Residue < (ng/l) 5 (as lindane by GC/ECD)

Toxic
T R45 R65 S53 S45



Dichloromethane (Stb Amyl) E10

For trace environ. analy. by Capillary GC and GC-MS	
Chemical formula	CH ₂ Cl ₂
Density	1.33g/cm ³ (20°C)
CAS number	75-09-2
UN number	1593
EC number	200-838-9
Refractive index	1.426 (20°C)
Boiling Point	40°C (1013hPa)
Molecular Weight	84.93 g/mol
Assay (GC) %	99.9
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser amylene (ppm)-	50

Organic Residue < (ng/ml) 10 (as octanol by GC/FID)
Halogenated Residue < (ng/l) 5 (as lindane by GC/ECD)

Harmful
XN R40 S23 S24/25 S36/37



Methanol E17

For trace environ. analy. by Capillary GC and GC-MS	
Chemical formula	CH ₃ OH
Density	0.79 g/cm ³ (20°C)
CAS number	67-56-1
UN number	1230
EC number	200-659-6
Refractive index	1.328 (20°C)
Boiling Point	64.5°C (1013 hPa)
Molecular Weight	32.04 g/mol
Assay (GC) %	99.9
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Organic Residue < (ng/ml) 10 (as octanol by GC/FID)
Halogenated Residue < (ng/l) 5 (as lindane by GC/ECD)

Highly flammable Toxic
F T R11 R23/24/25 R39/23/24/25 S07 S16 S36/37 S45



Enviroscan Trihalomethane specifications

Manufactured through a multi stage purification process, and the focus on reducing all trihalomethanes (e.g. Chloroform, Bromoform etc), to levels below 1ppb, Enviroscan Trihalomethanes ensures the end user of better detection at sensitive levels.



Hexane T36

For use in Trihalomethane detection	
Chemical formula	$\text{CH}_3(\text{CH}_2)_4\text{CH}_3$
Density	0.66 g/cm ³ (20°C)
CAS number	110-54-3
UN number	1208
EC number	203-777-6
Refractive index	1.374 (20°C)
Boiling Point	69°C (1013hPa)
Molecular Weight	86.18 g/mol
Assay (GC) %	99.0
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
THM (ppb)	1

Highly flammable Harmful Dangerous for the Environment
F+ XN N R11 R38 R48/20 R51/53 R62 R65 R67 S09 S16 S29 S33 S36/37 S61 S62



Pentane T40

For use in Trihalomethane detection	
Chemical formula	$\text{CH}_3(\text{CH}_2)_3\text{CH}_3$
Density	0.63 g/cm ³ (20°C)
CAS number	109-66-0
UN number	1265
EC number	203-692-4
Refractive index	1.357 (20°C)
Boiling Point	36.1°C (1013hPa)
Molecular Weight	72.15 g/mol
Assay (GC) %	99.0
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
THM (ppb)	1

Extremely flammable Harmful Dangerous for the Environment
F+ XN N R12 R51/53 R65 R66 R67 S09 S16 S29 S33 S61 S62



Methanol T17

For use in Trihalomethane detection	
Chemical formula	CH_3OH
Density	0.79 g/cm ³ (20°C)
CAS number	67-56-1
UN number	1230
EC number	200-659-6
Refractive index	1.328 (20°C)
Boiling Point	64.5°C (1013 hPa)
Molecular Weight	32.04 g/mol
Assay (GC) %	99.9
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
THM (ppb)	1

Highly flammable Toxic
F T R11 R23/24/25 R39/23/24/25 S07 S16 S36/37 S45



Trimethylpentane (2,2,4-) T21

For use in Trihalomethane detection	
Chemical formula	$\text{CH}_3(\text{CH}_2)_2\text{C}(\text{CH}_3)_2\text{CH}_2\text{CH}(\text{CH}_3)_2$
Density	0.69 g/cm ³ (20°C)
CAS number	540-84-1
UN number	1262
EC number	208-759-1
Refractive index	1.391 (20°C)
Boiling Point	99.2°C (1013 hPa)
Molecular Weight	114.23 g/mol
Assay (GC) %	99.5
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
THM (ppb)	1

Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62



Ensuring compliance with current and future legislation regarding health and safety is also a priority for us, and we constantly monitor for emerging changes in this area.

For the further safety of our customers, material safety data sheets (MSDSs) are available to review or download on our website.



www.labscan.eu

Enviroscan purge & trap specifications



Purge & Trap Methanol is used in a number of EPA methods of analysis for drinking water, waste water and solid waste. This product has been manufactured to remove offending impurities, including halogenated, aromatic and carbonyl compounds, and is one of the highest purity, and specialised products in our range.

Methanol X17

For use in highly sensitive volatile organic analysis

Chemical formula	CH ₃ OH
Density	0.79 g/cm ³ (20°C)
CAS number	67-56-1
UN number	1230
EC number	200-659-6
Refractive index	1.328 (20°C)
Boiling Point	64.5°C (1013 hPa)
Molecular Weight	32.04 g/mol
Assay (GC) %	99.9
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Purge and Trap Specifications

2-Butanone GC-MS (mg/L)	<0.5
Volatile Impurities (GC-MS)	Pass

Highly flammable Toxic

F T R11 R23/24/25 R39/23/24/25 S07 S16 S36/37
S45



Analytical Reagent solvent specifications

Through the use of innovative and modern purification techniques, Labscan offers a range of the highest purity solvents available to the market place. Our Analytical Reagent range is part of this specialist range, and is offered with the absolute guarantee of the highest quality available anywhere.



Acetone A01

Acetone for use as an Analytical Reagent	
Chemical formula	CH ₃ COCH ₃
Density	0.79 g/cm ³ (20°C)
CAS number	67-64-1
UN number	1090
EC number	200-662-2
Refractive index	1.359 (20°C)
Boiling Point	56.2°C (1013hPa)
Molecular Weight	58.08 g/mol
Assay (GC) %	99.5
Water (KF) %	0.3
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Methanol (GC) %	0.05

Highly flammable Irritant
F XI R11 R36 R66 R67 S09 S16 S26



Butyl Acetate (-n) A28

Butyl Acetate (-n) for use as an Analytical Reagent	
Chemical formula	CH ₃ COO(CH ₂) ₃ CH ₃
Density	0.88 g/cm ³ (20°C)
CAS number	123-86-4
UN number	1123
EC number	204-658-1
Refractive index	1.394 (20°C)
Boiling Point	124 - 127°C (1013 hPa)
Molecular Weight	116.16 g/mol
Assay (GC) %	99.0
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.001

Flammable
F R10 R66 R67 S25



Chloroform (Stb Amyl) A05

Chloroform (Stb Amyl) for use as an Analytical Reagent	
Chemical formula	CHCl ₃
Density	1.48g/cm ³ (20°C)
CAS number	67-66-3
UN number	1888
EC number	200-663-8
Refractive index	1.446 (20°C)
Boiling Point	61°C (1013hPa)
Molecular Weight	119.38 g/mol
Assay (GC) %	99.5
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.001
Stabiliser Amylene (ppm)~	50
Free Chlorine (%)	0.0005

Harmful
XN R22 R38 R40 R48/20/22 S36/37



Acetonitrile A02

Acetonitrile for use as an Analytical Reagent	
Chemical formula	C ₂ H ₃ N
Density	0.786 g/cm ³ (20°C)
CAS number	75-05-8
UN number	1648
EC number	200-835-2
Refractive index	1.344 (20°C)
Boiling Point	81.6°C (1013hPa)
Molecular Weight	41.05 g/mol
Assay (GC) %	99.7
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.001
Propionitrile (%)	0.2

Highly flammable Harmful
F XN R11 R20/21/22 R36 S16 S36/37



Chlorobenzene A30

Chlorobenzene for use as an Analytical Reagent	
Chemical formula	C ₆ H ₅ Cl
Density	1.11 g/cm ³ (20°C)
CAS number	108-90-7
UN number	1134
EC number	203-628-5
Refractive index	1.525 (20°C)
Boiling Point	132°C (1013 hPa)
Molecular Weight	112.56 g/mol
Assay (GC) %	99.5
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0020

Harmful Dangerous for the Environment
XN R21 R10 R20 R51/53 S24/25 S61



Chloroform (Stb EtOH) A07

Chloroform (Stb EtOH) for use as an Analytical Reagent	
Chemical formula	CHCl ₃
Density	1.48g/cm ³ (20°C)
CAS number	67-66-3
UN number	1888
EC number	200-663-8
Refractive index	1.446 (20°C)
Boiling Point	61°C (1013hPa)
Molecular Weight	119.38 g/mol
Assay (GC) %	99.5
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.001
Stabiliser Ethanol (%)~	1
Free Chlorine (%)	0.0005

Harmful
XN R22 R38 R40 R48/20/22 S36/37



Butan-1-ol A29

Butan-1-ol for use as an Analytical Reagent	
Chemical formula	CH ₃ (CH ₂) ₃ OH
Density	0.81 g/cm ³ (20°C)
CAS number	71-36-3
UN number	1120
EC number	200-751-6
Refractive index	1.399 (20°C)
Boiling Point	116 - 118°C (1013 hPa)
Molecular Weight	74.12 g/mol
Assay (GC) %	99.0
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Aldehydes & Ketones (%)	0.002

Harmful
XN R10 R22 R37/38 R41 R67 S07/09 S13 S26 S37/39 S46



Chlorobutane A06

Chlorobutane (1-) for use as an Analytical Reagent	
Chemical formula	CH ₃ (CH ₂) ₃ Cl
Density	0.886 g/cm ³ (20°C)
CAS number	109-69-3
UN number	1127
EC number	203-696-6
Refractive index	1.394 (20°C)
Boiling Point	79°C (1013hPa)
Molecular Weight	92.58 g/mol
Assay (GC) %	99.5
Water (KF) %	0.03
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Highly flammable
FR11 S09 S16 S29



Cyclohexane A08

Cyclohexane for use as an Analytical Reagent	
Chemical formula	C ₆ H ₁₂
Density	0.78 g/cm ³ (20°C)
CAS number	110-82-7
UN number	1145
EC number	203-806-2
Refractive index	1.426 (20°C)
Boiling Point	81°C (1013hPa)
Molecular Weight	84.16 g/mol
Assay (GC) %	99.0
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Aromatics (%)	0.05

Highly flammable Harmful Dangerous for the environment
F XN R11 R38 R50/53 R65 R67 S09 S16 S25 S33 S60 S61 S62



Cyclohexanone A54

Cyclohexanone for use as an Analytical Reagent	
Chemical formula	CH ₂ (CH ₂) ₄ CO
Density	0.95 g/cm ³ (20°C)
CAS number	108-94-1
UN number	1915
EC number	203-631-1
Refractive index	1.451 (20°C)
Boiling Point	155°C (1013 hPa)
Molecular Weight	98.15 g/mol
Assay (GC) %	99.0
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Harmful
X NR10 R20 S25

**Dichloromethane (Stb Amyl) A10**

For use as an Analytical Reagent	
Chemical formula	CH ₂ Cl ₂
Density	1.33g/cm ³ (20°C)
CAS number	75-09-2
UN number	1593
EC number	200-838-9
Refractive index	1.426 (20°C)
Boiling Point	40°C (1013hPa)
Molecular Weight	84.93 g/mol
Assay (GC) %	99.8
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Stabiliser Amylene (ppm)~	50
Free Chlorine (%)	0.0002

Harmful
XN R40 S23 S24/25 S36/37

**Diethyl Ether (Stb BHT) A11**

Diethyl Ether (Stb BHT) for use as Analytical Reagent	
Chemical formula	(C ₂ H ₅) ₂ O
Density	0.71 g/cm ³ (20°C)
CAS number	60-29-7
UN number	1155
EC number	200-467-2
Refractive index	1.352 (20°C)
Boiling Point	34.6°C (1013hPa)
Molecular Weight	74.12 g/mol
Assay (GC) %	99.5
Water (KF) %	0.2
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0300
Stabiliser BHT (ppm)~	5

Extremely flammable Harmful
F+ XN R12 R19 R22 R66 R67 S09 S16 S29 S33

**Cyclohexanol A66**

Cyclohexanol for use as an Analytical Reagent	
Chemical formula	C ₆ H ₁₂ O
Density	0.941 g/cm ³ (20°C)
CAS number	108-93-0
UN number	1993
EC number	203-630-6
Refractive index	1.464 (20°C)
Boiling Point	161°C (1013hPa)
Molecular Weight	100.2 g/mol
Assay (GC) %	99.0
Water (KF) %	0.5
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005

Harmful
XN R20/22 R37/38 S24/25

**Dichloroethane A31**

Dichloroethane for use as an Analytical Reagent	
Chemical formula	ClCH ₂ CH ₂ Cl
Density	1.25g/cm ³ (20°C)
CAS number	107-06-2
UN number	1184
EC number	203-458-1
Refractive index	1.445 (20°C)
Boiling Point	83.5 - 84.1°C (1013hPa)
Molecular Weight	98.97 g/mol
Assay (GC) %	99.8
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Highly flammable Toxic
F T R11 R45 R22 R36/37/38 S53 S45

**Diethylamine A45**

Diethylamine for use as an Analytical Reagent	
Chemical formula	(C ₂ H ₅) ₂ NH
Density	0.71 g/cm ³ (20°C)
CAS number	109-89-7
UN number	1154
EC number	203-716-3
Refractive index	1.385 (20°C)
Boiling Point	56°C (1013hPa)
Molecular Weight	73.14 g/mol
Assay (GC) %	99.0
Water (KF) %	0.3
Evaporation Residue (%)	0.0010

Highly flammable Corrosive
F C R11R20/21/22 R35 S3 S16 S26 S29 S36/37/39 S45

**Cyclopentane A53**

Cyclopentane for use as an Analytical Reagent	
Chemical formula	C ₅ H ₁₀
Density	0.75 g/cm ³ (20°C)
CAS number	287-92-3
UN number	1146
EC number	206-016-6
Refractive index	1.406 (20°C)
Boiling Point	49°C (1013hPa)
Molecular Weight	70.14 g/mol
Assay (GC) %	99.0
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue	0.0010
Aromatics (%)	0.05

Highly flammable
F R11 R52/53 S09 S16 S29 S33 S61

**Diethyl Ether (Stb Eth) A09**

Diethyl Ether (Stb EtOH) for use as Analytical Reagent	
Chemical formula	(C ₂ H ₅) ₂ O
Density	0.71 g/cm ³ (20°C)
CAS number	60-29-7
UN number	1155
EC number	200-467-2
Refractive index	1.352 (20°C)
Boiling Point	34.6°C (1013hPa)
Molecular Weight	74.12 g/mol
Assay (GC) %	99.5
Water (KF) %	0.2
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0020
Stabiliser Ethanol (%) ~	1

Extremely flammable Harmful
F+ XN R12 R19 R22 R66 R67 S09 S16 S29 S33

**Dimethylacetamide A32**

Dimethylacetamide for use as Analytical Reagent	
Chemical formula	CH ₃ CON(CH ₃) ₂
Density	0.94 g/cm ³ (20°C)
CAS number	127-19-5
UN number	2265
EC number	204-826-4
Refractive index	1.438 (20°C)
Boiling Point	165 - 166°C (1013 hPa)
Molecular Weight	87.12 g/mol
Assay (GC) %	99.5
Water (KF) %	0.07
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0050

Toxic
T R20/21 R61 S45 S53



Dimethylformamide A33

Dimethylformamide for use as an Analytical Reagent	
Chemical formula	HCON(CH ₃) ₂
Density	0.949 g/cm ³ (20°C)
CAS number	4472-41-7
UN number	2265
EC number	224-745-8
Refractive index	1.43 (20°C)
Boiling Point	152°C (1013 hPa)
Molecular Weight	73.09 g/mol
Assay (GC) %	99.8
Water (KF) %	0.07
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0050

Harmful Toxic
 XN T R36 R20/21 R61 S45 S53

**Dioxan (Stb BHT) A49**

Dioxan (Stb BHT) for use as an Analytical Reagent	
Chemical formula	C ₈ H ₁₆ O ₂
Density	1.03g/cm ³ (20°C)
CAS number	123-91-1
UN number	1165
EC number	204-661-8
Refractive index	1.422 (20°C)
Boiling Point	101.5°C (1013 hPa)
Molecular Weight	88.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0100
Stabiliser BHT (ppm)~	25

Highly flammable Harmful
 F XN R11 R19 R36/37 R40 R66 S09 S16 S36/37 S46

**Heptane 95% A24**

Heptane 95% (n-) for use as an Analytical Reagent	
Chemical formula	CH ₃ (CH ₂) ₅ CH ₃
Density	0.68 g/cm ³ (20°C)
CAS number	142-82-5
UN number	1206
EC number	205-563-8
Refractive index	1.388 (20°C)
Boiling Point	98.4°C (1013 hPa)
Molecular Weight	100.21 g/mol
Assay (GC) %	95.0
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Sulphur Compounds (%)	0.001

Highly flammable Harmful Dangerous for the Environment
 F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62

**Dimethylsulphoxide A34**

Dimethylsulphoxide for use as an Analytical Reagent	
Chemical formula	(CH ₃) ₂ SO
Density	1.10g/cm ³ (20°C)
CAS number	67-68-5
UN number	n/a
EC number	67-68-5
Refractive index	1.479 (20°C)
Boiling Point	189°C (1013 hPa)
Molecular Weight	78.13 g/mol
Assay (GC) %	99.5
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0050

Highly flammable Irritant
 F XI R11 R36 R66 R67 S16 S26 S33

**Ethyl Acetate A13**

Ethyl Acetate for use as an Analytical Reagent	
Chemical formula	CH ₃ COOC ₂ H ₅
Density	0.90 g/cm ³ (20°C)
CAS number	141-78-6
UN number	1173
EC number	205-500-4
Refractive index	1.372 (20°C)
Boiling Point	77°C (1013hPa)
Molecular Weight	88.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Highly flammable Harmful Dangerous for the Environment
 F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62

**Heptane 99% A35**

Heptane 99% (n-) for use as an Analytical Reagent	
Chemical formula	CH ₃ (CH ₂) ₅ CH ₃
Density	0.68 g/cm ³ (20°C)
CAS number	142-82-5
UN number	1206
EC number	205-563-8
Refractive index	1.388 (20°C)
Boiling Point	98.4°C (1013 hPa)
Molecular Weight	100.21 g/mol
Assay (GC) %	99.0
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Sulphur Compounds (%)	0.001

Highly flammable Harmful Dangerous for the Environment
 F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62

**Dioxan (1,4-) A12**

Dioxan (1,4-) 1L for use as an Analytical Reagent	
Chemical formula	C ₈ H ₁₆ O ₂
Density	1.03g/cm ³ (20°C)
CAS number	123-91-1
UN number	1165
EC number	204-661-8
Refractive index	1.422 (20°C)
Boiling Point	101.5°C (1013hPa)
Molecular Weight	88.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Highly flammable Harmful
 F XN R11 R19 R36/37 R40 R66 S09 S16 S36/37 S46

**Formaldehyde A48**

Formaldehyde for use as an Analytical Reagent	
Chemical formula	CH ₂ O
Density	1.04g/cm ³ (20°C)
CAS number	50-00-0
UN number	2209
EC number	200-001-8
Refractive index	n/a
Boiling Point	>95°C (1013hPa)
Molecular Weight	30.03 g/mol
Assay (GC) %	35.0-40.0
Acidity (mEq/g)	0.01
Evaporation Residue (%)	0.0050

Toxic
 T R34 R43 R40 R23/24/25 S26 S36/37/39 S45 S51

**Heptane 99.5% A25**

Heptane 99.5% (n-) for use as an Analytical Reagent	
Chemical formula	CH ₃ (CH ₂) ₅ CH ₃
Density	0.68 g/cm ³ (20°C)
CAS number	142-82-5
UN number	1206
EC number	205-563-8
Refractive index	1.388 (20°C)
Boiling Point	98.4°C (1013 hPa)
Molecular Weight	100.21 g/mol
Assay (GC) %	99.5
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Sulphur Compounds (%)	0.001

Highly flammable Harmful Dangerous for the Environment
 F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62



Hexane Fraction A15

Hexane Fraction for use as an Analytical Reagent	
Chemical formula	CH ₃ (CH ₂) ₄ CH ₃
Density	0.65 - 0.66 g/m ³ (20°C)
CAS number	110-54-3
UN number	1208
EC number	203-777-6
Refractive index	1.374 (20°C)
Boiling Point	65-70°C (1013hPa)
Molecular Weight	86.18 g/mol
Assay (GC) %	45.0
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Sulphur Compounds (%)	0.001

Highly flammable Harmful Dangerous for the Environment
 F XN N R11 R38 R48/20 R51/53 R62 R65 R67 S09 S16 S29 S33 S36/37 S61 S62

**Heptane Fraction A14**

Heptane Fraction for use as an Analytical Reagent	
Chemical formula	CH ₃ (CH ₂) ₅ CH ₃
Density	0.684 g/cm ³ (20°C)
CAS number	142-82-5
UN number	1206
EC number	205-563-8
Refractive index	1.388 (20°C)
Boiling Point	97°C (1013hPa)
Molecular Weight	100.2 g/mol
Assay (GC) %	85.0
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Sulphur Compounds (%)	0.001

Highly flammable Harmful Dangerous for the Environment
 F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61

**Methyl Ethyl Ketone A37**

Methyl Ethyl Ketone for use as an Analytical Reagent	
Chemical formula	C ₂ H ₅ COCH ₃
Density	0.805 g/cm ³ (20°C)
CAS number	78-93-3
UN number	1193
EC number	201-159-0
Refractive index	1.379 (20°C)
Boiling Point	79.6°C (1013 hPa)
Molecular Weight	72.11 g/mol
Assay (GC) %	99.5
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Highly flammable Irritant
 F XI R11 R36 R66 R67 S09 S16

**Hexane 95% A16**

Hexane 95% (n-) for use as an Analytical Reagent	
Chemical formula	CH ₃ (CH ₂) ₄ CH ₃
Density	0.66 g/cm ³ (20°C)
CAS number	110-54-3
UN number	1208
EC number	203-777-6
Refractive index	1.374 (20°C)
Boiling Point	69°C (1013hPa)
Molecular Weight	86.18 g/mol
Assay (GC) %	95.0
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Sulphur Compounds (%)	0.001

Highly flammable Harmful Dangerous for the Environment
 F XN N R11 R38 R48/20 R51/53 R62 R65 R67 S09 S16 S29 S33 S36/37 S61 S62

**Methanol A17**

Methanol for use as an Analytical Reagent	
Chemical formula	CH ₃ OH
Density	0.79 g/cm ³ (20°C)
CAS number	67-56-1
UN number	1230
EC number	200-659-6
Refractive index	1.328 (20°C)
Boiling Point	64.5°C (1013 hPa)
Molecular Weight	32.04 g/mol
Assay (GC) %	99.8
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Carbonyl Compounds (%)	0.005

Highly flammable Toxic
 F T R11 R23/24/25 R39/23/24/25 S07 S16 S36/37 S45

**Methyl-2-pyrrolidone (n-) A38**

Methyl-2-pyrrolidone (n-) for use as an Analy. Reagent	
Chemical formula	C ₅ H ₉ NO
Density	1.03g/cm ³ (20°C)
CAS number	872-50-4
UN number	n/a
EC number	212-828-1
Refractive index	1.488 (20°C)
Boiling Point	202°C (1013 hPa)
Molecular Weight	99.13 g/mol
Assay (GC) %	99.5
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0050

Irritant
 XI R36/38 S41

**Hexane 99% A36**

Hexane 99% (n-) for use as an Analytical Reagent	
Chemical formula	CH ₃ (CH ₂) ₄ CH ₃
Density	0.66 g/cm ³ (20°C)
CAS number	110-54-3
UN number	1206
EC number	203-777-6
Refractive index	1.374 (20°C)
Boiling Point	69°C (1013hPa)
Molecular Weight	86.18 g/mol
Assay (GC) %	99.0
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Sulphur Compounds (%)	0.001

Highly flammable Harmful Dangerous for the Environment
 F XN N R11 R38 R48/20 R51/53 R62 R65 R67 S09 S16 S29 S33 S36/37 S61 S62

**Methyl Tert Butyl Ether A39**

Methyl Tert Butyl Ether for use as an Analytical Reagent	
Chemical formula	(CH ₃) ₃ COCH ₃
Density	0.758 g/cm ³ (20°C)
CAS number	1634-04-4
UN number	2398
EC number	216-653-1
Refractive index	1.369 (20°C)
Boiling Point	55.3°C (1013 hPa)
Molecular Weight	88.15 g/mol
Assay (GC) %	99.5
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Highly flammable Irritant
 F XI R11 R38 S9 S16 S24

**Methylcyclohexane A57**

Methylcyclohexane for use as an Analytical Reagent	
Chemical formula	(CH ₂) ₅ CHCH ₃
Density	0.77 g/cm ³ (20°C)
CAS number	108-87-2
UN number	2296
EC number	203-624-3
Refractive index	1.423 (20°C)
Boiling Point	101°C (1013hPa)
Molecular Weight	98.19 g/mol
Assay (GC) %	98.0
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Aromatics (%)	0.02

Highly flammable Dangerous for the Environment
 F XN N R11 R38 R51/53 R65 R67 S09 S16 S33 S61 S62



Methylbutane 95% (2-) A62

Methylbutane 95% (2-) for use as Analytical Reagent	
Chemical formula	CH ₃ CH(CH ₃)CH ₂ CH ₃
Density	0.62 g/cm ³ (20°C)
CAS number	78-78-4
UN number	1265
EC number	201-142-8
Refractive index	1.357
Boiling Point	20°C (1013hPa)
Molecular Weight	72.15 g/mol
Assay (GC) %	95.0
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Extremely flammable Harmful Dangerous for the Environment
F+ XN N R12 R51/53 R65 R66 R67 S09 S16 S29 S33 S61 S62

**Nonane 95% (n-) A58**

Nonane 95% (n-) for use as an Analytical Reagent	
Chemical formula	CH ₃ (CH ₂) ₇ CH ₃
Density	0.72 g/cm ³ (20°C)
CAS number	111-84-2
UN number	1920
EC number	203-913-4
Refractive index	1.405 (20°C)
Boiling Point	151°C (1013hPa)
Molecular Weight	128.26 g/mol
Assay (GC) %	95.0
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Harmful Dangerous for the Environment
XN N R10 R38 R50/53 R65 R67 S09 S16 S33 S36/37 S60 S62

**Octane 99% (n-) A61**

Octane 99% (n-) for use as an Analytical Reagent	
Chemical formula	CH ₃ (CH ₂) ₆ CH ₃
Density	0.70 g/cm ³ (20°C)
CAS number	111-65-9
UN number	1262
EC number	203-892-1
Refractive index	1.397 (20°C)
Boiling Point	125 - 126°C (1013 hPa)
Molecular Weight	114.23 g/mol
Assay (GC) %	99.0
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62

**Methylbutane 99% (2-) A63**

Methylbutane 99% (2-) for use as Analytical Reagent	
Chemical formula	CH ₃ CH(CH ₃)CH ₂ CH ₃
Density	0.62 g/cm ³ (20°C)
CAS number	78-78-4
UN number	1265
EC number	201-142-8
Refractive index	1.357 (20°C)
Boiling Point	28°C (1013hPa)
Molecular Weight	72.15 g/mol
Assay (GC) %	99.0
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Extremely flammable Harmful Dangerous for the Environment
F+ XN N R12 R51/53 R65 R66 R67 S09 S16 S29 S33 S61 S62

**Nonane 99% (n-) A59**

Nonane 99% (n-) for use as an Analytical Reagent	
Chemical formula	CH ₃ (CH ₂) ₇ CH ₃
Density	0.72 g/cm ³ (20°C)
CAS number	111-84-2
UN number	1920
EC number	203-913-4
Refractive index	1.405 (20°C)
Boiling Point	151°C (1013hPa)
Molecular Weight	128.26 g/mol
Assay (GC) %	99.0
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Harmful Dangerous for the Environment
XN N R10 R38 R50/53 R65 R67 S09 S16 S33 S36/37 S60 S62

**Pentane 95% (n-) A18**

Pentane 95% (n-) for use as an Analytical Reagent	
Chemical formula	CH ₃ (CH ₂) ₃ CH ₃
Density	0.63 g/cm ³ (20°C)
CAS number	109-66-0
UN number	1265
EC number	203-692-4
Refractive index	1.357 (20°C)
Boiling Point	36.1°C (1013 hPa)
Molecular Weight	72.15 g/mol
Assay (GC) %	95.0
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Sulphur Compounds (%)	0.001

Extremely flammable Harmful Dangerous for the Environment
F+ XN N R12 R51/53 R65 R66 R67 S09 S16 S29 S33 S61 S62

**Methylpentane (2-) A52**

Methylpentane (2-) for use as an Analytical Reagent	
Chemical formula	CH ₃ CH ₂ CH ₂ CH(CH ₃) ₂
Density	0.65 g/cm ³ (20°C)
CAS number	107-83-5
UN number	1208
EC number	203-523-4
Refractive index	1.371 (20°C)
Boiling Point	60°C (1013hPa)
Molecular Weight	86.18 g/mol
Assay of hexane %	< 5
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0050

Highly flammable Harmful Dangerous for the Environment
R11 R38 R65 R51/53 S09 S16 S29 S33 S61 S62

**Octane 95% (n-) A60**

Octane 95% (n-) for use as an Analytical Reagent	
Chemical formula	CH ₃ (CH ₂) ₆ CH ₃
Density	0.70 g/cm ³ (20°C)
CAS number	111-65-9
UN number	1262
EC number	203-892-1
Refractive index	1.397 (20°C)
Boiling Point	125 - 126°C (1013 hPa)
Molecular Weight	114.23 g/mol
Assay (GC) %	95.0
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62

**Pentane 99% (n-) A40**

Pentane 99% (n-) for use as an Analytical Reagent	
Chemical formula	CH ₃ (CH ₂) ₃ CH ₃
Density	0.63 g/cm ³ (20°C)
CAS number	109-66-0
UN number	1265
EC number	203-692-4
Refractive index	1.357 (20°C)
Boiling Point	36.1°C (1013hPa)
Molecular Weight	72.15 g/mol
Assay (GC) %	99.0
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Sulphur Compounds (%)	0.001

Extremely flammable Harmful Dangerous for the Environment
F+ XN N R12 R51/53 R65 R66 R67 S09 S16 S29 S33 S61 S62



Petroleum Ether 40/60 A41

Petroleum Ether 40/60 for use as Analytical Reagent	
Chemical formula	n/a
Density	0.660g/cm ³ (20°C)
CAS number	64742-49-0
UN number	1268
EC number	265-151-9
Refractive index	n/a
Boiling Point	40-60°C (1013hPa)
Molecular Weight	n/a
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Sulphur Compounds (%)	0.002

Highly flammable Harmful Dangerous for the Environment
F XN N R45 R65 S53 S45

**Pet Ether 100/120 A65**

Pet Ether 100/120 for use as an Analytical Reagent	
Chemical formula	n/a
Density	0.660g/cm ³ (20°C)
CAS number	64742-49-0
UN number	1268
EC number	265-151-9
Refractive index	n/a
Boiling Point	100 - 120°C (1013 hPa)
Molecular Weight	n/a
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0050
Sulphur Compounds (%)	0.002

Toxic
+T R45 R65 S45 S53

**Pyridine A44**

Pyridine for use as an Analytical Reagent	
Chemical formula	C ₅ H ₅ N
Density	0.98 g/cm ³ (20°C)
CAS number	110-86-1
UN number	1282
EC number	203-809-9
Refractive index	1.51 (20°C)
Boiling Point	115°C (1013 hPa)
Molecular Weight	79.10 g/mol
Assay (GC) %	99.5
Water (KF) %	0.1
Evaporation Residue (%)	0.0050
Piperidine (%)	0.01
2-Picoline (%)	0.02

Highly flammable Harmful
F XN R11 R20/21/22 S26 S28

**Petroleum Ether 60/80 A42**

Petroleum Ether 60/80 for use as Analytical Reagent	
Chemical formula	n/a
Density	0.660g/cm ³ (20°C)
CAS number	64742-49-0
UN number	1268
EC number	265-151-9
Refractive index	n/a
Boiling Point	60-80°C (1013hPa)
Molecular Weight	n/a
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Sulphur Compounds (%)	0.002

Highly flammable Harmful Dangerous for the Environment
F XN N R45 R65 S45 S53

**Propan-1-ol A43**

Propan-1-ol for use as an Analytical Reagent	
Chemical formula	CH ₃ CH ₂ CH ₂ OH
Density	0.80 g/cm ³ (20°C)
CAS number	71-23-8
UN number	1274
EC number	200-746-9
Refractive index	1.386 (20°C)
Boiling Point	96.5 - 98°C (1013 hPa)
Molecular Weight	60.10 g/mol
Assay (GC) %	99.5
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Highly flammable Irritant
F XI R11 R41 R67 S07 S16 S24 S26 S39

**Tetrachloroethylene A51**

Tetrachloroethylene for use as an Analytical Reagent	
Chemical formula	C ₂ Cl ₄
Density	1.62g/cm ³ (20°C)
CAS number	127-18-4
UN number	1897
EC number	204-825-9
Refractive index	1.506 (20°C)
Boiling Point	121°C (1013hPa)
Molecular Weight	165.83 g/mol
Assay (GC) %	99.8
Water (KF) %	0.01
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Harmful Dangerous for the Environment
XN N R40 R51/53 S23 S36/37 S61

**Pet Ether 80/100 A64**

Pet Ether 80/100 for use as an Analytical Reagent	
Chemical formula	n/a
Density	0.660g/cm ³ (20°C)
CAS number	64742-49-0
UN number	1268
EC number	265-151-9
Refractive index	n/a
Boiling Point	80 - 100°C (1013hPa)
Molecular Weight	n/a
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0050
Sulphur Compounds (%)	0.002

Toxic
+T R45 R65 S45 S53

**Propan-2-ol A19**

Propan-2-ol for use as an Analytical Reagent	
Chemical formula	(CH ₃) ₂ CHOH
Density	0.786 g/cm ³ (20°C)
CAS number	67-63-0
UN number	1219
EC number	200-661-7
Refractive index	1.377 (20°C)
Boiling Point	82.4°C (1013hPa)
Molecular Weight	60.10 g/mol
Assay (GC) %	99.7
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Highly flammable Irritant
F XI R11 R36 R67 S07 S16 S24/25 S26

**Tetrahydrofuran A20**

Tetrahydrofuran for use as an Analytical Reagent	
Chemical formula	C ₄ H ₈ O
Density	0.89 g/cm ³ (20°C)
CAS number	109-99-9
UN number	2056
EC number	203-726-8
Refractive index	1.407 (20°C)
Boiling Point	65-66°C (1013hPa)
Molecular Weight	72.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.03
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Highly flammable Irritant
F XI R11 R19 R36/37 S16 S29 S33



Tetrahydrofuran (Stb BHT) A47

For use as an Analytical Reagent	
Chemical formula	C ₄ H ₈ O
Density	0.89 g/cm ³ (20°C)
CAS number	109-99-9
UN number	2056
EC number	203-726-8
Refractive index	1.407 (20°C)
Boiling Point	65-66°C (1013hPa)
Molecular Weight	72.11 g/mol
Assay (GC) %	99.8
Water (KF) %	0.03
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0300
Stabiliser BHT (ppm)~	250

Highly flammable Irritant
F XI R11 R19 R36/37 S16 S29 S33

**Trichloroethylene A46**

Trichloroethylene for use as an Analytical Reagent	
Chemical formula	Cl ₂ CCHCl
Density	1.46g/cm ³ (20°C)
CAS number	79-01-6
UN number	1710
EC number	201-167-4
Refractive index	1.477 (20°C)
Boiling Point	87°C (1013hPa)
Molecular Weight	131.79 g/mol
Assay (GC) %	99.5
Water (KF) %	0.03
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Toxic
T R45 R36/38 R52/53 R67 S45 S53 S61

**Water A23**

Water 1L for use as an Analytical Reagent	
Chemical formula	H ₂ O
Density	1.00g/cm ³ (20°C)
CAS number	7732-18-5
UN number	n/a
EC number	231-791-2
Refractive index	1.333 (20°C)
Boiling Point	100°C (1013hPa)
Molecular Weight	18.02g/mol
Evaporation Residue (%)	0.0005
Conductivity (µS/cm)	2
RI	1.33
HPLC Gradient λ 245 nm (mAU)	2

Toluene A22

Toluene for use as an Analytical Reagent	
Chemical formula	C ₆ H ₅ CH ₃
Density	0.87 g/cm ³ (20°C)
CAS number	108-88-3
UN number	1294
EC number	203-625-9
Refractive index	1.497 (20°C)
Boiling Point	110.6°C (1013hPa)
Molecular Weight	92.14 g/mol
Assay (GC) %	99.5
Water (KF) %	0.03
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0020
Sulphur Compounds (%)	0.0003

Highly flammable Harmful
F XN R11 R38 R48/20 R63 R65 R67 S36/37 S46 S62

**Trimethylpentane (2,2,4-) A21**

Trimethylpentane (2,2,4-) for use as Analytical Reagent	
Chemical formula	CH ₃ (CH ₃) ₂ CCH ₂ CH(CH ₃) ₂
Density	0.69 g/cm ³ (20°C)
CAS number	540-84-1
UN number	1262
EC number	208-759-1
Refractive index	1.391 (20°C)
Boiling Point	99.2°C (1013hPa)
Molecular Weight	114.23 g/mol
Assay (GC) %	99.5
Water (KF) %	0.02
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Sulphur Compounds (%)	0.001

Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62

**Xylene A50**

Xylene for use as an Analytical Reagent	
Chemical formula	C ₆ H ₄ (CH ₃) ₂
Density	0.86 g/cm ³ (20°C)
CAS number	1330-20-7
UN number	1307
EC number	215-535-7
Refractive index	0.866 (20°C)
Boiling Point	137 - 143°C (1013 hPa)
Molecular Weight	106.17 g/mol
Assay (GC) %	98.0
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0020
Sulphur Compounds (%)	0.001
Benzene (%)	0.1
Toluene (%)	0.5

Harmful
XN R10 R20/21 R38 S25



Our products are produced, tested, customised, packaged and delivered to the highest standards.





Acetone G01

General Purpose Reagent (GPR)	
Chemical formula	CH ₃ COCH ₃
Density	0.79 g/cm ³ (20°C)
CAS number	67-64-1
UN number	1090
EC number	200-662-2
Refractive index	1.359 (20°C)
Boiling Point	56.2°C (1013hPa)
Molecular Weight	58.08 g/mol
Assay (GC) %	99.0
Water (KF) %	0.5
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Highly flammable Irritant
F XI R11 R36 R66 R67 S09 S16 S26



Chlorobenzene G30

General Purpose Reagent (GPR)	
Chemical formula	C ₆ H ₅ Cl
Density	1.11 g/cm ³ (20°C)
CAS number	108-90-7
UN number	1134
EC number	203-628-5
Refractive index	1.525 (20°C)
Boiling Point	132°C (1013 hPa)
Molecular Weight	112.56 g/mol
Assay (GC) %	99.0
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Harmful Dangerous for the Environment
XN N R10 R20 R51/53 S24/25 S61



Cyclohexane G08

General Purpose Reagent (GPR)	
Chemical formula	C ₆ H ₁₂
Density	0.78 g/cm ³ (20°C)
CAS number	110-82-7
UN number	1145
EC number	203-806-2
Refractive index	1.426 (20°C)
Boiling Point	81°C (1013hPa)
Molecular Weight	84.16 g/mol
Assay (GC) %	98.0
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Highly flammable Harmful Dangerous for the environment
F XN N R11 R38 R50/53 R65 R67 S09 S16 S25 S33 S60 S61 S62



Butyl Acetate (-n) G28

General Purpose Reagent (GPR)	
Chemical formula	CH ₃ COO(CH ₂) ₃ CH ₃
Density	0.88 g/cm ³ (20°C)
CAS number	123-86-4
UN number	1123
EC number	204-658-1
Refractive index	1.394 (20°C)
Boiling Point	124 - 127°C (1013 hPa)
Molecular Weight	116.16 g/mol
Assay (GC) %	98.0
Water (KF) %	0.2
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Flammable
F R10 R66 R67 S25



Chloroform (Stb Amyl) G05

General Purpose Reagent (GPR)	
Chemical formula	CHCl ₃
Density	1.48 g/cm ³ (20°C)
CAS number	67-66-3
UN number	1888
EC number	200-663-8
Refractive index	1.446 (20°C)
Boiling Point	61°C (1013 hPa)
Molecular Weight	119.38 g/mol
Assay (GC) %	99.0
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005
Stabiliser Amylene (ppm)~	50

Harmful
XN R22 R38 R40 R48/20/22 S36/37



Dichloroethane G31

General Purpose Reagent (GPR)	
Chemical formula	CICH ₂ CH ₂ Cl
Density	1.25g/cm ³ (20°C)
CAS number	107-06-2
UN number	1184
EC number	203-458-1
Refractive index	1.445 (20°C)
Boiling Point	83.5 - 84.1°C (1013hPa)
Molecular Weight	98.97 g/mol
Assay (GC) %	99.0
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Highly flammable Toxic
F T R11 R45 R22 R36/37/38 S53 S45



Butan-1-ol G29

General Purpose Reagent (GPR)	
Chemical formula	CH ₃ (CH ₂) ₃ OH
Density	0.81 g/cm ³ (20°C)
CAS number	71-36-3
UN number	1120
EC number	200-751-6
Refractive index	1.399 (20°C)
Boiling Point	116 - 118°C (1013 hPa)
Molecular Weight	74.12 g/mol
Assay (GC) %	98.0
Water (KF) %	0.2
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Harmful
XN R10 R22 R37/38 R41 R67 S07/09 S13 S26 S37/39 S46



Chloroform (Stb EtOH) G07

General Purpose Reagent (GPR)	
Chemical formula	CHCl ₃
Density	1.48g/cm ³ (20°C)
CAS number	67-66-3
UN number	1888
EC number	200-663-8
Refractive index	1.446 (20°C)
Boiling Point	61°C (1013hPa)
Molecular Weight	119.38 g/mol
Assay (GC) %	99.0
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005
Stabiliser Ethanol (%)~	1

Harmful
XN R22 R38 R40 R48/20/22 S36/37



Dichloromethane (Stb Amyl) G10

General Purpose Reagent (GPR)	
Chemical formula	CH ₂ Cl ₂
Density	1.33g/cm ³ (20°C)
CAS number	75-09-2
UN number	1593
EC number	200-838-9
Refractive index	1.426 (20°C)
Boiling Point	40°C (1013hPa)
Molecular Weight	84.93 g/mol
Assay (GC) %	99.0
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005
Stabiliser Amylene (ppm)~	50

Harmful
XN R40 S23 S24/25 S36/37



Diethyl Ether (Stb Eth) G09

General Purpose Reagent (GPR)	
Chemical formula	(C ₂ H ₅) ₂ O
Density	0.71 g/cm ³ (20°C)
CAS number	60-29-7
UN number	1155
EC number	200-467-2
Refractive index	1.352 (20°C)
Boiling Point	34.6°C (1013hPa)
Molecular Weight	74.12 g/mol
Assay (GC) %	99.0
Water (KF) %	0.5
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005
Stabiliser Ethanol (%)~	1

Extremely flammable Harmful
F+ XN R12 R19 R22 R66 R67 S09 S16 S29 S33

**Dimethylformamide G33**

General Purpose Reagent (GPR)	
Chemical formula	HCON(CH ₃) ₂
Density	0.949 g/cm ³ (20°C)
CAS number	4472-41-7
UN number	2265
EC number	224-745-8
Refractive index	1.43 (20°C)
Boiling Point	152°C (1013 hPa)
Molecular Weight	73.09 g/mol
Assay (GC) %	99.0
Water (KF) %	0.2
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Harmful Toxic
XN T R36 R20/21 R61 S45 S53

**Dioxan (1,4-) G12**

General Purpose Reagent (GPR)	
Chemical formula	C ₄ H ₈ O ₂
Density	1.03g/cm ³ (20°C)
CAS number	123-91-1
UN number	1165
EC number	204-661-8
Refractive index	1.422 (20°C)
Boiling Point	101.5°C (1013hPa)
Molecular Weight	88.11 g/mol
Assay (GC) %	99.0
Water (KF) %	0.5
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.01

Highly flammable Harmful
F XN R11 R19 R36/37 R40 R66 S09 S16 S36/37 S46

**Diethylamine G45**

General Purpose Reagent (GPR)	
Chemical formula	(C ₂ H ₅) ₂ NH
Density	0.71 g/cm ³ (20°C)
CAS number	109-89-7
UN number	1154
EC number	203-716-3
Refractive index	1.385 (20°C)
Boiling Point	56°C (1013hPa)
Molecular Weight	73.14 g/mol
Assay (GC) %	98.0
Water (KF) %	0.5
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Highly flammable Corrosive
F C R11 R20/21/22 R35 S3 S16 S26 S29 S36/37/39 S45

**Dimethylacetamide G32**

General Purpose Reagent (GPR)	
Chemical formula	CH ₃ CON(CH ₃) ₂
Density	0.94 g/cm ³ (20°C)
CAS number	127-19-5
UN number	2265
EC number	204-826-4
Refractive index	1.438 (20°C)
Boiling Point	165 -166°C (1013 hPa)
Molecular Weight	87.12 g/mol
Assay (GC) %	99.0
Water (KF) %	0.2
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Harmful Toxic
XN T R20/21 R61 S45 S53

**Dioxan (Stb BHT) G49**

General Purpose Reagent (GPR)	
Chemical formula	C ₄ H ₈ O ₂
Density	1.03g/cm ³ (20°C)
CAS number	123-91-1
UN number	1165
EC number	204-661-8
Refractive index	1.422 (20°C)
Boiling Point	101.5°C (1013 hPa)
Molecular Weight	88.11 g/mol
Assay (GC) %	99.0
Water (KF) %	0.5
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.01
Stabiliser BHT (ppm)~	25

Highly flammable Harmful
F XN R11 R19 R36/37 R40 R66 S09 S16 S36/37 S46

**Diethyl Ether (Stb BHT) G11**

General Purpose Reagent (GPR)	
Chemical formula	(C ₂ H ₅) ₂ O
Density	0.71 g/cm ³ (20°C)
CAS number	60-29-7
UN number	1155
EC number	200-467-2
Refractive index	1.352 (20°C)
Boiling Point	34.6°C (1013hPa)
Molecular Weight	74.12 g/mol
Assay (GC) %	99.0
Water (KF) %	0.5
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005
Stabiliser BHT (ppm)~	5

Extremely flammable Harmful
F+ XN R12 R19 R22 R66 R67 S09 S16 S29 S33

**Dimethylsulphoxide G34**

General Purpose Reagent (GPR)	
Chemical formula	(CH ₃) ₂ SO
Density	1.10g/cm ³ (20°C)
CAS number	67-68-5
UN number	n/a
EC number	67-68-5
Refractive index	1.479 (20°C)
Boiling Point	189°C (1013 hPa)
Molecular Weight	78.13 g/mol
Assay (GC) %	98.0
Water (KF) %	0.3
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Highly flammable Irritant
F XI R11 R36 R66 R67 S16 S26 S33



Formaldehyde G48

General Purpose Reagent (GPR)	
Chemical formula	CH ₂ O
Density	1.04g/cm ³ (20°C)
CAS number	50-00-0
UN number	2209
EC number	200-001-8
Refractive index	1.3746 (20°C)
Boiling Point	>95°C (1013hPa)
Molecular Weight	30.03 g/mol
Assay (GC) %	35.0-45.0

Toxic
T R34 R43 R40 R23/24/25 S26 S36/37/39 S45 S51

**Hexane Fraction G15**

General Purpose Reagent (GPR)	
Chemical formula	CH ₃ (CH ₂) ₄ CH ₃
Density	0.65-0.66 g/cm ³ (20°C)
CAS number	110-54-3
UN number	1208
EC number	203-777-6
Refractive index	1.374 (20°C)
Boiling Point	65°C-70°C (1013hPa)
Molecular Weight	86.18 g/mol
Assay (GC) %	45.0
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R48/20 R51/53 R62 R65 R67 S09 S16 S29 S33 S36/37 S61 S62

**Methyl tert Butyl Ether G39**

General Purpose Reagent (GPR)	
Chemical formula	(CH ₃) ₃ COCH ₃
Density	0.758 g/cm ³ (20°C)
CAS number	1634-04-4
UN number	2398
EC number	216-653-1
Refractive index	1.369 (20°C)
Boiling Point	55.3°C (1013 hPa)
Molecular Weight	88.15 g/mol
Assay (GC) %	99.0
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Highly flammable Irritant
F XI R11 R38 S9 S16 S24

**Heptane 99% G35**

General Purpose Reagent (GPR)	
Chemical formula	CH ₃ (CH ₂) ₆ CH ₃
Density	0.68 g/cm ³ (20°C)
CAS number	142-82-5
UN number	1206
EC number	205-563-8
Refractive index	1.388 (20°C)
Boiling Point	98.4°C (1013 hPa)
Molecular Weight	100.21 g/mol
Assay (GC) %	99.0
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62

**Hexane 95% G16**

General Purpose Reagent (GPR)	
Chemical formula	CH ₃ (CH ₂) ₄ CH ₃
Density	0.66 g/cm ³ (20°C)
CAS number	110-54-3
UN number	1208
EC number	203-777-6
Refractive index	1.374 (20°C)
Boiling Point	69°C (1013hPa)
Molecular Weight	86.18 g/mol
Assay (GC) %	95.0
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R48/20 R51/53 R62 R65 R67 S09 S16 S29 S33 S36/37 S61 S62

**Methyl Ethyl Ketone G37**

General Purpose Reagent (GPR)	
Chemical formula	C ₂ H ₅ COCH ₃
Density	0.805 g/cm ³ (20°C)
CAS number	78-93-3
UN number	1193
EC number	201-159-0
Refractive index	1.379 (20°C)
Boiling Point	79.6°C (1013 hPa)
Molecular Weight	72.11 g/mol
Assay (GC) %	99.0
Water (KF) %	0.5
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Highly flammable Irritant
F XI R11 R36 R66 R67 S09 S16

**Heptane 99.5% G25**

General Purpose Reagent (GPR)	
Chemical formula	CH ₃ (CH ₂) ₆ CH ₃
Density	0.68 g/cm ³ (20°C)
CAS number	142-82-5
UN number	1206
EC number	205-563-8
Refractive index	1.388 (20°C)
Boiling Point	98.4°C (1013 hPa)
Molecular Weight	100.21 g/mol
Assay (GC) %	99.5
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62

**Methanol G17**

General Purpose Reagent (GPR)	
Chemical formula	CH ₃ OH
Density	0.79 g/cm ³ (20°C)
CAS number	67-56-1
UN number	1230
EC number	200-659-6
Refractive index	1.328 (20°C)
Boiling Point	64.5°C (1013 hPa)
Molecular Weight	32.04 g/mol
Assay (GC) %	99.0
Water (KF) %	0.3
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Highly flammable Toxic
F T R11 R23/24/25 R39/23/24/25 S07 S16 S36/37 S45

**Pentane 95% (n-) G18**

General Purpose Reagent (GPR)	
Chemical formula	CH ₃ (CH ₂) ₃ CH ₃
Density	0.63 g/cm ³ (20°C)
CAS number	109-66-0
UN number	1265
EC number	203-692-4
Refractive index	1.357 (20°C)
Boiling Point	36.1°C (1013hPa)
Molecular Weight	72.15 g/mol
Assay (GC) %	95.0
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Extremely flammable Harmful Dangerous for the Environment
F+ XN N R12 R51/53 R65 R66 R67 S09 S16 S29 S33 S61 S62



Petroleum Ether 40/60 G41

General Purpose Reagent (GPR)	
Chemical formula	n/a
Density	0.660g/cm ³ (20°C)
CAS number	64742-49-0
UN number	1268
EC number	265-151-9
Refractive index	n/a
Boiling Point	40-60°C (1013hPa)
Molecular Weight	n/a
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Highly flammable Harmful Dangerous for the Environment
F XN N R45 R65 S53 S45

**Propan-2-ol G19**

General Purpose Reagent (GPR)	
Chemical formula	(CH ₃) ₂ CHOH
Density	0.786 g/cm ³ (20°C)
CAS number	67-63-0
UN number	1219
EC number	200-661-7
Refractive index	1.377 (20°C)
Boiling Point	82.4°C (1013hPa)
Molecular Weight	60.10 g/mol
Assay (GC) %	99.0
Water (KF) %	0.5
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Highly flammable Irritant
F XI R11 R36 R67 S07 S16 S24/25 S26

**Tetrahydrofuran G20**

General Purpose Reagent (GPR)	
Chemical formula	C ₄ H ₈ O
Density	0.89 g/cm ³ (20°C)
CAS number	109-99-9
UN number	2056
EC number	203-726-8
Refractive index	1.407 (20°C)
Boiling Point	65-66°C (1013 hPa)
Molecular Weight	72.11 g/mol
Assay (GC) %	99.0
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Highly flammable Irritant
F XI R11 R19 R36/37 S16 S29 S33

**Petroleum Ether 60/80 G42**

General Purpose Reagent (GPR)	
Chemical formula	n/a
Density	0.660g/cm ³ (20°C)
CAS number	64742-49-0
UN number	1268
EC number	265-151-9
Refractive index	n/a
Boiling Point	60-80°C (1013hPa)
Molecular Weight	n/a
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Highly flammable Harmful Dangerous for the Environment
F XN N R45 R65 S45 S53

**Pyridine G44**

General Purpose Reagent (GPR)	
Chemical formula	C ₅ H ₅ N
Density	0.98 g/cm ³ (20°C)
CAS number	110-86-1
UN number	1282
EC number	203-809-9
Refractive index	1.51 (20°C)
Boiling Point	115°C (1013 hPa)
Molecular Weight	79.10 g/mol
Assay (GC) %	99.0
Water (KF) %	0.2
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Highly flammable Harmful
F XN R11 R20/21/22 S26 S28

**Toluene G22**

General Purpose Reagent (GPR)	
Chemical formula	C ₆ H ₅ CH ₃
Density	0.87 g/cm ³ (20°C)
CAS number	108-88-3
UN number	1294
EC number	203-625-9
Refractive index	1.497 (20°C)
Boiling Point	110.6°C (1013 hPa)
Molecular Weight	92.14 g/mol
Assay (GC) %	99.0
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Highly flammable Harmful
F XN R11 R38 R48/20 R63 R65 R67 S36/37 S46 S62

**Propan-1-ol G43**

General Purpose Reagent (GPR)	
Chemical formula	CH ₃ CH ₂ CH ₂ OH
Density	0.80 g/cm ³ (20°C)
CAS number	71-23-8
UN number	1274
EC number	200-746-9
Refractive index	1.386 (20°C)
Boiling Point	96.5-98°C (1013 hPa)
Molecular Weight	60.10 g/mol
Assay (GC) %	98.0
Water (KF) %	0.3
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Highly flammable Irritant
F XI R11 R41 R67 S07 S16 S24 S26 S39

**Tetrahydrofuran (Stb BHT) G47**

General Purpose Reagent (GPR)	
Chemical formula	C ₄ H ₈ O
Density	0.89 g/cm ³ (20°C)
CAS number	109-99-9
UN number	2056
EC number	203-726-8
Refractive index	1.407 (20°C)
Boiling Point	65-66°C (1013 hPa)
Molecular Weight	72.11 g/mol
Assay (GC) %	99.0
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.03
Stabiliser BHT (ppm)~	250

Highly flammable Irritant
F XI R11 R19 R36/37 S16 S29 S33

**Trichloroethylene G46**

General Purpose Reagent (GPR)	
Chemical formula	Cl ₂ CCHCl
Density	1.46g/cm ³ (20°C)
CAS number	79-01-6
UN number	1710
EC number	201-167-4
Refractive index	1.477 (20°C)
Boiling Point	87°C (1013hPa)
Molecular Weight	131.79 g/mol
Assay (GC) %	99.0
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Toxic
T R45 R36/38 R52/53 R67 S45 S53 S61



Trimethylpentane (2,2,4-) G21

General Purpose Reagent (GPR)	
Chemical formula	$\text{CH}_3(\text{CH}_3)_2\text{CCH}_2\text{CH}(\text{CH}_3)_2$
Density	0.69 g/cm ³ (20°C)
CAS number	540-84-1
UN number	1262
EC number	208-759-1
Refractive index	1.391 (20°C)
Boiling Point	99.2°C (1013 hPa)
Molecular Weight	114.23 g/mol
Assay (GC) %	99.0
Water (KF) %	0.05
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Highly flammable Harmful Dangerous for the Environment
 F XN N R11 R38 R50/53 R65 R67 S09 S16 S29 S33 S60 S61 S62

**Xylene G50**

General Purpose Reagent (GPR)	
Chemical formula	$\text{C}_6\text{H}_4(\text{CH}_3)_2$
Density	0.86 g/cm ³ (20°C)
CAS number	1330-20-7
UN number	1307
EC number	215-535-7
Refractive index	1.495 (20°C)
Boiling Point	137 - 143°C (1013 hPa)
Molecular Weight	106.17 g/mol
Assay (GC) %	98.0
Water (KF) %	0.1
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Harmful
 XN R10 R20/21 R38 S25



Customer care

Looking after customers is our priority. We do this by providing you with all the information you need, customising products to your requirements, packing these safely, delivering them to you swiftly - and welcoming your feedback.



ordering and understanding our codes

To assist our customers in understanding how to place an order with us, below is a break down of the structure of our product code. Our codes are broken into four different categories

1. Grade
2. Solvent
3. Pack Size
4. Pack Type

Example: From the lists below, the code for a 2.5L Glass Winchester Bottle of HPLC Grade Methanol would be as follows -C17C11X

To see a more comprehensive listing of products and specifications, please visit us on-line at www.labscan.eu or e-mail us at export@poch.com.pl

1. Grades		3. Pack Sizes		4. Pack Type	
G	GPR	A	1L	11X	Glass Bottle
A	AR	B	25L	12X	Glass Bottle (Plastic Coated)
R	Preparative chromatography	C	2.5L	15X	Glass Bottle
C	HPLC	D	200L	16X	Plastic Bottle (High Density Polyethylene HDPE)
P	Pestiscan	H	4L	21X	Metal Drum (Blue)
H	Anhydroscan	J	500ML	22X	Metal Drum (Black)
V	Anhydroscan with molecular sieve	K	20L	31X	Plastic Drum (Blue)
S	Spectroscan	R	50L	32X	Plastic Drum (Clear)
E	Enviroscan capillary GC	T	1000L	41X	Stainless Steel Keg
T	Enviroscan trihalomethane	W	900L	42X	Stainless Steel Drum
X	Enviroscan purge & trap	Y	180L	51X	Mild Steel Drum
M	Mixed			61X	IBC
L	LC - MaScan				
U	Ultra Gradient				

2. Solvents

01	Acetone	26	Methanol (Super Gradient)	50	Xylene
02	Acetonitrile	27	Acetonitrile (Super Gradient)	51	Tetrachloroethylene
03	Acetonitrile (Far UV)	28	Butyl Acetate (-n)	52	Methylpentane (2-)
05	Chloroform (Stb Amyl)	29	Butan-1-ol	53	Cyclopentane
06	Chlorobutane (1-)	30	Chlorobenzene	54	Cyclohexanone
07	Chloroform (Stb EtOH)	31	Dichloroethane (1,2-)	55	Hexane 97.5% (n-)
08	Cyclohexane	32	Dimethylacetamide	57	Methylcyclohexane
09	Diethyl Ether (Stb EtOH)	33	Dimethylformamide	58	Nonane 95% (n-)
10	Dichloromethane (Stb Amylene)	34	Dimethylsulphoxide	59	Nonane 99% (n-)
11	Diethyl Ether (Stb BHT)	35	Heptane 99% (n-)	60	Octane 95% (n-)
12	Dioxan (1,4-)	36	Hexane 99% (n-)	61	Octane 99% (n-)
13	Ethyl Acetate	37	Methyl Ethyl Ketone	62	Methylbutane 95% (2-)
14	Heptane Fraction	38	Methyl-2-pyrrolidone (n-)	63	Methylbutane 99% (2-)
15	Hexane Fraction	39	Methyl tert Butyl Ether	64	Pet. Ether 80/100
16	Hexane 95% (n-)	40	Pentane 99% (n-)	65	Pet. Ether 100/120
17	Methanol	41	Pet. Ether 40/60	66	Cyclohexanol
18	Pentane 95% (n-)	42	Pet. Ether 60/80	67	Hexane 97%
19	Propan-2-ol	43	Propan-1-ol	68	Dichloromethane (Stb Ethanol)
20	Tetrahydrofuran	44	Pyridine	70	Acetonitrile 10ppm
21	Trimethylpentane (2,2,4-)	45	Diethylamine	371	Acetonitrile 30ppm
22	Toluene	46	Trichloroethylene	72	Acetonitrile 100ppm
23	Water	47	Tetrahydrofuran (Stb BHT)	73	Acetonitrile HPLC gradient grade
24	Heptane 95% (n-)	48	Formaldehyde	98	Water Super Gradient
25	Heptane 99.5% (n-)	49	Dioxan (1,4-) (Stb BHT)		



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