



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.

At Labscan 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 IS.EN.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.ie) contains many new features including downloadable Certificates of Analysis, Material Safety Data Sheets and complete Data on all of Labscan's global operations and worldwide distributor network.

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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 (1013 hPa)
Molecular Weight	58.08 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	2000
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 (1013 hPa)
Molecular Weight	41.05 g/mol
Assay (by % GC) Identity Test	99.9
Water (ppm)	200
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
HPLC Gradient @ 210 nm (mAU)	3
Baseline Drift/mAU	15
UV Wavelength/nm	% Transmission
230	99
220	98
200	93
195	80
190	30

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 (by % GC) Identity Test	99.0
Water (ppm)	500
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 (1013 hPa)
Molecular Weight	41.05 g/mol
Assay (by % GC) Identity Test	99.9
Water (ppm)	200
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	CH 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 (1013 hPa)
Molecular Weight	41.05 g/mol
Assay (by % GC) Identity Test	99.9
Water (ppm)	100
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
HPLC Gradient @ 210 nm (mAU)	1
Baseline Drift/mAU	15
UV Wavelength/nm	% Transmission
230	99
215	98
200	96
195	85
193	60
190	30

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 (by % GC) Identity Test	99.8
Water (ppm)	300
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 (1013 hPa)
Molecular Weight	41.05 g/mol
Assay (by % GC) Identity Test	99.9
Water (ppm)	200
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
230	99
220	98
210	90
200	80
190	30

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 (1013 hPa)
Molecular Weight	41.05 g/mol
Assay (by % GC) Identity Test	99.9
Water (ppm)	150
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 (1013 hPa)
Molecular Weight	92.58 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	100
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
F R11 S09 S16 S29



Chloroform (Stb Amyl) C05	
For liquid chromatography/HPLC analysis	
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 (by % GC) Identity Test	99.8
Water (ppm)	100
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser Anylene (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	ClCH ₂ CH ₂ Cl
Density	1.25 g/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 (1013 hPa)
Molecular Weight	98.97 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	100
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 (by % GC) Identity Test	99.5
Water (ppm)	500
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Peroxides (ppm)	5
Stabiliser Ethanol (% w/w)	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	1.48 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 (by % GC) Identity Test	99.8
Water (ppm)	100
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser Ethanol (% w/w)	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	1.33 g/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 (1013 hPa)
Molecular Weight	84.93 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	100
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser Anylene (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 (by % GC) Identity Test	99.5
Water (ppm)	1500
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 (1013 hPa)
Molecular Weight	84.16 g/mol
Assay (by % GC) Identity Test	99.5
Water (ppm)	100
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Fluorescence (as Quinine) @ 254nm /ppb	1
Fluorescence (as Quinine) @ 365 nm /ppb	1
UV Wavelength/nm	% Transmission
250	99
240	98
230	95
220	80
210	60
Highly flammable Harmful Dangerous for Environment	
F XN 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 (by % GC) Identity Test	99.5
Water (ppm)	200
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Peroxides (ppm)	5
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 (by % GC) Identity Test	99.8
Water (ppm)	500
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 (by % GC) Identity Test	99.8
Water (ppm)	500
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
320	99
300	98
290	90
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 (1013 hPa)
Molecular Weight	88.11 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	200
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 (by % GC) Identity Test	99.0
Water (ppm)	100
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	1.10 g/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 (by % GC) Identity Test	99.5
Water (ppm)	500
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 (1013 hPa)
Molecular Weight	100.2 g/mol
Assay (by % GC) Identity Test	85
Water (ppm)	100
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 (1013 hPa)
Molecular Weight	100.21 g/mol
Assay (by % GC) Identity Test	99.5
Water (ppm)	100
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 ₄ H ₈ O ₂
Density	1.03 g/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 (by % GC) Identity Test	99.8
Water (ppm)	200
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
290	99
280	95
270	90
260	85
250	80
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 (by % GC) Identity Test	95
Water (ppm)	100
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 (by % GC) Identity Test	45
Water (ppm)	100
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 (1013 hPa)
Molecular Weight	86.18 g/mol
Assay (by % GC) Identity Test	95
Water (ppm)	100
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 (by % GC) Identity Test	99.9
Water (ppm)	500
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
HPLC Gradient @ 235 nm (mAU)	2
Baseline Drift/mAU	15
UV Wavelength/nm	% Transmission
250	99
240	98
230	90
220	75
210	65
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 (by % GC) Identity Test	99.8
Water (ppm)	200
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
280	99
270	98
260	90
250	80
240	60
Highly flammable Irritant	
F Xl 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 (1013 hPa)
Molecular Weight	86.18 g/mol
Assay (by % GC) Identity Test	99.0
Water (ppm)	100
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 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 (by % GC) Identity Test	99.8
Water (ppm)	500
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 (by % GC) Identity Test	95
Water (ppm)	100
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 (by % GC) Identity Test	99.9
Water (ppm)	500
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	1.03 g/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 (by % GC) Identity Test	99.5
Water (ppm)	500
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 (1013 hPa)
Molecular Weight	72.15 g/mol
Assay (by % GC) Identity Test	99.0
Water (ppm)	100
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
CAS number	64742-49-0
UN number	1268
EC number	265-151-9
Refractive index	n/a
Boiling Point	40 - 60°C (1013 hPa)
Molecular Weight	n/a
Assay (by % GC) Identity Test	n/a
Water (ppm)	100
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



Petroleum Ether 60/80 C42	
For liquid chromatography/HPLC analysis	
Chemical formula	n/a
Density	0.660g/cm ³
CAS number	64742-49-0
UN number	1268
EC number	265-151-9
Refractive index	n/a
Boiling Point	60 - 80°C (1013 hPa)
Molecular Weight	n/a
Assay (by % GC) Identity Test	n/a
Water (ppm)	100
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



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 (by % GC) Identity Test	99.8
Water (ppm)	1000
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



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 (by % GC) Identity Test	99.5
Water (ppm)	500
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



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 (by % GC) Identity Test	99.5
Water (ppm)	700
Acidity (mEq/g)	n/a
Evaporation Residue (%)	0.005
UV Wavelength/nm	% Transmission
400	99
350	95
340	90

Highly flammable Harmful

F XN R11 R20/21/22 S26 S28



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 (by % GC) Identity Test	99.8
Water (ppm)	200
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



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 (by % GC) Identity Test	99.8
Water (ppm)	100
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



Trichloroethylene C46	
For liquid chromatography/HPLC analysis	
Chemical formula	C ₂ HCl ₃
Density	1.46 g/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 (1013 hPa)
Molecular Weight	131.79 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	100
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



Trimethylpentane (2,2,4-) C21	
For liquid chromatography/HPLC 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 (by % GC) Identity Test	99.5
Water (ppm)	100
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	1.00 g/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
HPLC Gradient @ 254 nm (mAU)	2
Conductivity (ug/cm)	2

Water Super Gradient C98	
For liquid chromatography/HPLC analysis	
Chemical formula	H ₂ O
Density	1.00 g/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
Assay (by % GC) Identity Test	
Water (ppm)	
Acidity (mEq/g)	
Evaporation Residue (%)	

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. The solvents are then packaged in pre-purged and sealed containers which are UN-approved.



Pestiscan solvent specifications

Our Pestiscan 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 (1013 hPa)
Molecular Weight	58.08 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	3000
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	1.48 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 (by % GC) Identity Test	99.8
Water (ppm)	500
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 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	1.33 g/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 (1013 hPa)
Molecular Weight	84.93 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	500
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 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 (1013 hPa)
Molecular Weight	41.05 g/mol
Assay (by % GC) Identity Test	99.9
Water (ppm)	2000
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 (1013 hPa)
Molecular Weight	84.16 g/mol
Assay (by % GC) Identity Test	99.5
Water (ppm)	200
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 (1013 hPa)
Molecular Weight	88.11 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	500
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 (1013 hPa)
Molecular Weight	74.12 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	500
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 (by % GC) Identity Test	99.5
Water (ppm)	1000
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	
F+XN R12 R19 R22 R66 R67 S09 S16 S29 S33	



Heptane 95% P24	
For gas chromatography & Pesticide Residue 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 (by % GC) Identity Test	95.0
Water (ppm)	200
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 (1013 hPa)
Molecular Weight	86.18 g/mol
Assay (by % GC) Identity Test	97.5
Water (ppm)	200
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 (by % GC) Identity Test	99.9
Water (ppm)	1000
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 (1013 hPa)
Molecular Weight	n/a
Assay (by % GC) Identity Test	
Water (ppm)	200
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 (1013 hPa)
Molecular Weight	86.18 g/mol
Assay (by % GC) Identity Test	95.0
Water (ppm)	200
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 (1013 hPa)
Molecular Weight	72.15 g/mol
Assay (by % GC) Identity Test	99.0
Water (ppm)	200
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 (by % GC) Identity Test	99.5
Water (ppm)	1000
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 (1013 hPa)
Molecular Weight	86.18 g/mol
Assay (by % GC) Identity Test	99.0
Water (ppm)	200
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
CAS number	64742-49-0
UN number	1268
EC number	265-151-9
Refractive index	n/a
Boiling Point	40 - 60°C (1013 hPa)
Molecular Weight	n/a
Assay (by % GC) Identity Test	n/a
Water (ppm)	200
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 (by % GC) Identity Test	99.8
Water (ppm)	2000
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 (by % GC) Identity Test	99.8
Water (ppm)	200
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 (by % GC) Identity Test	99.5
Water (ppm)	200
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



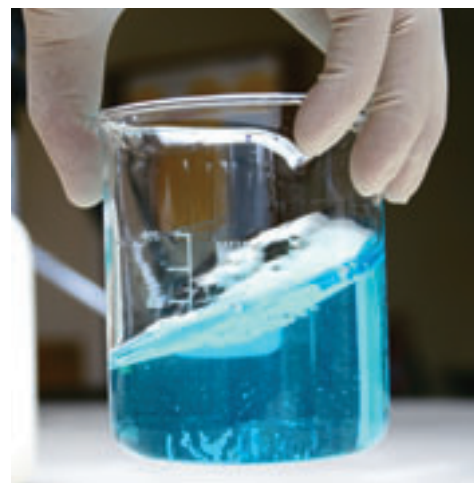
Water	P23
For gas chromatography & Pesticide Residue analysis	
Chemical formula	H ₂ O
Density	1.00 g/cm ³ (20 °C)
CAS number	7732-18-5
UN number	n/a
EC number	231-791-2
Refractive index	1.333 (20°C)
Boiling Point	100 °C (1013 hPa)
Molecular Weight	18.02g/mol
Water (ppm)	
Acidity (mEq/g)	
Evaporation 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 80 percent of our business taking place outside Ireland, Labscan has established a far-reaching distribution network in 58 countries throughout the EU, Eastern Europe, North and South America.

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



Anhydrosol 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 Anhydrosol 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 (by % GC) Identity Test	99.9
Water (ppm)	10
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
400	99.5

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	1.48 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 (by % GC) Identity Test	99.8
Water (ppm)	50
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser Ethanol (% w/w)	1
Stabiliser Anylene (ppm)	50
UV Wavelength/nm	% Transmission
400	99

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 (by % GC) Identity Test	99.8
Water (ppm)	100
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
UV Wavelength/nm	% Transmission
400	99.5

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 (by % GC) Identity Test	99.9
Water (ppm)	30
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
400	99.5

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	1.33 g/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 (1013 hPa)
Molecular Weight	84.93 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	50
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser Anylene (ppm)	50
UV Wavelength/nm	% Transmission
400	99.5

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	1.10 g/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 (by % GC) Identity Test	99.5
Water (ppm)	200
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.05
UV Wavelength/nm	% Transmission
400	99.5

Chloroform (Stb Amyl) H05

Anhydro (dried) to a max of 50ppm water	
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 (by % GC) Identity Test	99.8
Water (ppm)	50
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser Ethanol	50
UV Wavelength/nm	% Transmission
400	99

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 (by % GC) Identity Test	99.5
Water (ppm)	100
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Stabiliser BHT (ppm)	5
UV Wavelength/nm	% Transmission
400	99.5

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 ₈ O ₂
Density	1.03 g/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 (by % GC) Identity Test	99.8
Water (ppm)	50
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
400	99.5

Highly flammable Harmful

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



Dioxan (1,4-) (Stb BHT) 1L H49	
Anhydro (dried) to a max of 50ppm water	
Chemical formula	C ₄ H ₈ O ₂
Density	1.03 g/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 (by % GC) Identity Test	99.8
Water (ppm)	50
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Stabiliser BHT (ppm)	25
UV Wavelength/nm	% Transmission
400	99.5

Highly flammable Harmful

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



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 (1013 hPa)
Molecular Weight	88.11 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	100
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
400	99.5

Highly flammable Irritant

F XI R11 R36 R66 R67 S16 S26 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	100.21g/mol
Assay (by % GC) Identity Test	99.0
Water (ppm)	50
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
400	99.5

Highly flammable Harmful Dangerous for the Environment

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



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 (1013 hPa)
Molecular Weight	86.18 g/mol
Assay (by % GC) Identity Test	99.0
Water (ppm)	50
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
400	99.5

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 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 (by % GC) Identity Test	99.9
Water (ppm)	100
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
400	99.5

Highly flammable Toxic

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



Methyl-2-pyrrolidone (n-) H38	
Anhydro (dried) to a max of 100ppm water	
Chemical formula	C ₅ H ₉ NO
Density	1.03 g/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 (by % GC) Identity Test	99.5
Water (ppm)	100
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
UV Wavelength/nm	% Transmission
400	99.5

Irritant

XI R36/38 S41



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 (by % GC) Identity Test	99.5
Water (ppm)	100
Acidity (mEq/g)	
Evaporation Residue (%)	0.002
UV Wavelength/nm	% Transmission
400	99

Highly flammable Harmful

F XN R11 R20/21/22 S26 S28



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 (1013 hPa)
Molecular Weight	72.11 g/mol
Assay (by % GC) Identity Test	99.9
Water (ppm)	50
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
400	99.5

Highly flammable Irritant

F XI R11 R19 R36/37 S16 S29 S33



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 (by % GC) Identity Test	99.9
Water (ppm)	50
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.03
Stabiliser BHT	250
UV Wavelength/nm	% Transmission
400	99.5

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 (by % GC) Identity Test	99.8
Water (ppm)	50
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
400	99.5

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 (by % GC) Identity Test	99.9
Water (ppm)	10
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	

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	1.33 g/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 (1013 hPa)
Molecular Weight	84.93 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	50
Acidity (mEq/g)	0.0005

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 (by % GC) Identity Test	99.8
Water (ppm)	100
Acidity (mEq/g)	0.0005
Amines content (ppm)	0.0001

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 (by % GC) Identity Test	99.9
Water (ppm)	30
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	

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
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 (by % GC) Identity Test	99.5
Water (ppm)	100
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



Dimethylsulphoxide V34

Anhydro (dried) to a max of 200ppm water and stored under molecular sieve	
Chemical formula	(CH ₃) ₂ SO
Density	1.10 g/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 (by % GC) Identity Test	99.5
Water (ppm)	200
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	1.48 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 (by % GC) Identity Test	
Water (ppm)	
Acidity (mEq/g)	
Evaporation Residue (%)	
Stabiliser Ethanol (% w/w)	

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	1.03 g/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 (by % GC) Identity Test	
Water (ppm)	
Acidity (mEq/g)	
Evaporation Residue (%)	

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 (1013 hPa)
Molecular Weight	88.11 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	100
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 (by % GC) Identity Test	99.9
Water (ppm)	100
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 (1013 hPa)
Molecular Weight	72.11 g/mol
Assay (by % GC) Identity Test	99.9
Water (ppm)	50
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	1.03 g/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 (by % GC) Identity Test	
Water (ppm)	
Acidity (mEq/g)	
Evaporation Residue (%)	

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 (by % GC) Identity Test	99.9
Water (ppm)	0.0005
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 (by % GC) Identity Test	99.5
Water (ppm)	100

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 (by % GC) Identity Test	99.5
Water (ppm)	50
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 (1013 hPa)
Molecular Weight	58.08 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	2000
Acidity (mEq/g)	0.0005
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	1.48 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 (by % GC) Identity Test	99.8
Water (ppm)	100
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
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	1.33 g/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 (1013 hPa)
Molecular Weight	84.93 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	100
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
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 (1013 hPa)
Molecular Weight	41.05 g/mol
Assay (by % GC) Identity Test	99.9
Water (ppm)	500
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 (1013 hPa)
Molecular Weight	84.16 g/mol
Assay (by % GC) Identity Test	99.5
Water (ppm)	100
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 (by % GC) Identity Test	99.5
Water (ppm)	200
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
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 (1013 hPa)
Molecular Weight	74.12 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	500
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	ClCH ₂ CH ₂ Cl
Density	1.25 g/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 (1013 hPa)
Molecular Weight	98.97 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	100
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 (by % GC) Identity Test	99.8
Water (ppm)	500
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	1.10 g/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 (by % GC) Identity Test	99.5
Water (ppm)	500
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
350	98
340	95
330	90
300	80

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-) S12**

For use in spectroscopy analysis	
Chemical formula	C ₄ H ₈ O ₂
Density	1.03 g/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 (by % GC) Identity Test	99.8
Water (ppm)	200
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

**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 (1013 hPa)
Molecular Weight	88.11 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	200
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

**Heptane 99% (n-) S35**

For use in spectroscopy 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 (by % GC) Identity Test	99.0
Water (ppm)	100
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
250	98
230	90
220	80
210	50
200	10

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

**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 (1013 hPa)
Molecular Weight	86.18 g/mol
Assay (by % GC) Identity Test	99.0
Water (ppm)	100
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

**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 (by % GC) Identity Test	99.9
Water (ppm)	500
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

**Pentane 99% (n-) S40**

For use in spectroscopy 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 (by % GC) Identity Test	99.0
Water (ppm)	100
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
UV Wavelength/nm	% Transmission
240	98
230	95
220	85
210	60
200	20

Extremely flammable Harmful Dangerous for the Environment
 F+ XN N R12 R51/53 R65 R66 R67 S09 S16 S29 S33 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 (by % GC) Identity Test	99.8
Water (ppm)	1000
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

**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 (by % GC) Identity Test	99.5
Water (ppm)	700
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	1.62 g/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 (1013 hPa)
Molecular Weight	165.83 g/mol
Assay (by % GC) Identity Test	99.9
Water (ppm)	100
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 (by % GC) Identity Test	99.5
Water (ppm)	100
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 (by % GC) Identity Test	99.8
Water (ppm)	200
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
Molecular Weight	92.14 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	100
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-MasScan 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-MasScan 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 (1013 hPa)
Molecular Weight	41.05 g/mol
Assay (by % GC) Identity Test	99.9
Water (ppm)	200
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
HPLC Gradient @ 210 nm (mAU)	3
HPLC Gradient @ 254 nm (mAU)	1
UV Wavelength/nm	% Transmission
230	99
220	98
210	93
200	80
190	30

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 (by % GC) Identity Test	99.9
Water (ppm)	500
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
HPLC Gradient @ 235 nm (mAU)	2
UV Wavelength/nm	% Transmission
250	99
240	98
230	90
220	75
210	65

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 (1013 hPa)
Molecular Weight	72.11 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	200
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 (1013 hPa)
Molecular Weight	88.11 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	200
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 (by % GC) Identity Test	99.8
Water (ppm)	1000
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	1.00 g/cm ³ (20 °C)
CAS number	7732-18-5
UN number	
EC number	231-791-2
Refractive index	1.333 (20°C)
Boiling Point	100 °C (1013 hPa)
Molecular Weight	18.02g/mol
Colour	5
Turbidity	0.04
Conductivity (ug/cm)	<2
TOC %	<0.2
Phenolphthalein	Nil
HPLC Gradient @ 254 nm (mAU)	2



LC-MasScan (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

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 (1013 hPa)
Molecular Weight	58.08 g/mol
Assay (by % GC) Identity Test	99.9
Water (ppm)	3000
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 (1013 hPa)
Molecular Weight	88.11 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	500
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 (1013 hPa)
Molecular Weight	72.15 g/mol
Assay (by % GC) Identity Test	99.9 (C ₅ isomers)
Water (ppm)	100
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	1.48 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 (by % GC) Identity Test	99.9
Water (ppm)	500
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0005
Stabiliser ethanol (% w/w)	~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 (1013 hPa)
Molecular Weight	86.18 g/mol
Assay (by % GC) Identity Test	99.9 (C ₆ isomers)
Water (ppm)	100
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
CAS number	64742-49-0
UN number	1268
EC number	265-151-9
Refractive index	n/a
Boiling Point	40 - 60°C (1013 hPa)
Molecular Weight	n/a
Assay (by % GC) Identity Test	n/a
Water (ppm)	100
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	1.33 g/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 (1013 hPa)
Molecular Weight	84.93 g/mol
Assay (by % GC) Identity Test	99.9
Water (ppm)	500
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 (by % GC) Identity Test	99.9
Water (ppm)	1000
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 (1013 hPa)
Molecular Weight	86.18 g/mol
Assay (by % GC) Identity Test	99.9 (C ₆ isomers)
Water (ppm)	100
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 (1013 hPa)
Molecular Weight	72.15 g/mol
Assay (by % GC) Identity Test	99.9 (C ₅ isomers)
Water (ppm)	100
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 (by % GC) Identity Test	99.9
Water (ppm)	1000
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	$\text{CH}_3(\text{CH}_3)_2\text{CCH}_2\text{CH}(\text{CH}_3)_2$
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 (by % GC) Identity Test	99.5
Water (ppm)	100
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 Labscan, 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.ie

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 (by % GC) Identity Test	99.9
Water (ppm)	1000
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



For over twenty years, Labscan has been producing solvents. Because our first commitment is to you, the customer, we continually seek to achieve best practice and create excellence throughout our business.

Find out more at: www.labscan.ie



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 (1013 hPa)
Molecular Weight	58.08 g/mol
Assay (by % GC) Identity Test	99.5
Water (ppm)	3000
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Methanol	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 (by % GC) Identity Test	99.0
Water (ppm)	1000
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	1.48 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 (by % GC) Identity Test	99.5
Water (ppm)	500
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.00100
Stabiliser Anylene (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 (1013 hPa)
Molecular Weight	41.05 g/mol
Assay (by % GC) Identity Test	99.7
Water (ppm)	1000
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 (by % GC) Identity Test	99.5
Water (ppm)	500
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0020
Harmful Dangerous for the Environment XN N 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	1.48 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 (by % GC) Identity Test	99.5
Water (ppm)	500
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Stabiliser Ethanol	1
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 (by % GC) Identity Test	99.0
Water (ppm)	1000
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Aldehydes & Ketone	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 (1013 hPa)
Molecular Weight	92.58 g/mol
Assay (by % GC) Identity Test	99.5
Water (ppm)	300
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Highly flammable F R11 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 (1013 hPa)
Molecular Weight	84.16 g/mol
Assay (by % GC) Identity Test	99.0
Water (ppm)	200
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Aromatics	0.05
Highly flammable Harmful Dangerous for the environment F XN N 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 (by % GC) Identity Test	99.0
Water (ppm)	1000
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Harmful
XN R10 R20 S25



Dichloromethane A10

For use as an Analytical Reagent	
Chemical formula	CH ₂ Cl ₂
Density	1.33 g/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 (by % GC) Identity Test	99.8
Water (ppm)	200
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010
Stabiliser Anylene (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 (1013 hPa)
Molecular Weight	74.12 g/mol
Assay (by % GC) Identity Test	99.5
Water (ppm)	2000
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0300
Stabiliser BHT	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	0.941g/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 (1013 hPa)
Molecular Weight	100.2 g/mol
Assay (by % GC) Identity Test	99.0
Water (ppm)	5000
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	1.25 g/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 (1013 hPa)
Molecular Weight	98.97 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	500
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 (1013 hPa)
Molecular Weight	73.14 g/mol
Assay (by % GC) Identity Test	99.0
Water (ppm)	3000
Acidity (mEq/g)	
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 (1013 hPa)
Molecular Weight	70.14 g/mol
Assay (by % GC) Identity Test	99.0
Water (ppm)	200
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 (1013 hPa)
Molecular Weight	74.12 g/mol
Assay (by % GC) Identity Test	99.5
Water (ppm)	2000
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 (by % GC) Identity Test	99.5
Water (ppm)	700
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 (by % GC) Identity Test	99.8
Water (ppm)	700
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 ₄ H ₈ O ₂
Density	1.03 g/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 (by % GC) Identity Test	99.8
Water (ppm)	500
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0100
Stabiliser BHT	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 (by % GC) Identity Test	95.0
Water (ppm)	200
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	1.10 g/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 (by % GC) Identity Test	99.5
Water (ppm)	1000
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0050

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 (1013 hPa)
Molecular Weight	88.11 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	500
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Highly flammable Irritant

F XI R11 R36 R66 R67 S16 S26 S33



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 (by % GC) Identity Test	99.0
Water (ppm)	200
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 ₄ H ₈ O ₂
Density	1.03 g/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 (by % GC) Identity Test	99.8
Water (ppm)	500
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Formaldehyde A48	
Formaldehyde for use as an Analytical Reagent	
Chemical formula	CH ₂ O
Density	1.04 g/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 (1013 hPa)
Molecular Weight	30.03 g/mol
Assay (by % GC) Identity Test	35-40
Water (ppm)	
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 (by % GC) Identity Test	99.5
Water (ppm)	200
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/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	65-70°C (1013 hPa)
Molecular Weight	86.18 g/mol
Assay (by % GC) Identity Test	45.0
Water (ppm)	200
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



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 (1013 hPa)
Molecular Weight	86.18 g/mol
Assay (by % GC) Identity Test	95.0
Water (ppm)	200
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



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 (1013 hPa)
Molecular Weight	86.18 g/mol
Assay (by % GC) Identity Test	99.0
Water (ppm)	200
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 (1013 hPa)
Molecular Weight	100.2 g/mol
Assay (by % GC) Identity Test	85.0
Water (ppm)	200
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



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 (by % GC) Identity Test	99.8
Water (ppm)	1000
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 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 (by % GC) Identity Test	99.5
Water (ppm)	1000
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

Highly flammable Irritant
F Xi R11 R36 R66 R67 S09 S16



Methyl-2-pyrrolidone (n-) A38

Methyl-2-pyrrolidone (n-) for use as an Analy. Reagent	
Chemical formula	C ₅ H ₉ NO
Density	1.03 g/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 (by % GC) Identity Test	99.5
Water (ppm)	500
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0050

Irritant
Xi R36/38 S41



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 (by % GC) Identity Test	99.5
Water (ppm)	500
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 (1013 hPa)
Molecular Weight	98.19 g/mol
Assay (by % GC) Identity Test	98.0
Water (ppm)	500
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0010

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	$\text{CH}_3\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_3$
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 (1013 hPa)
Molecular Weight	72.15 g/mol
Assay (by % GC) Identity Test	95.0
Water (ppm)	200
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	$\text{CH}_3(\text{CH}_2)_7\text{CH}_3$
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 (1013 hPa)
Molecular Weight	128.26 g/mol
Assay (by % GC) Identity Test	95
Water (ppm)	200
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	$\text{CH}_3(\text{CH}_2)_6\text{CH}_3$
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 (by % GC) Identity Test	99
Water (ppm)	200
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	$\text{CH}_3\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_3$
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 (1013 hPa)
Molecular Weight	72.15 g/mol
Assay (by % GC) Identity Test	99.0
Water (ppm)	200
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	$\text{CH}_3(\text{CH}_2)_7\text{CH}_3$
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 (1013 hPa)
Molecular Weight	128.26 g/mol
Assay (by % GC) Identity Test	99.0
Water (ppm)	200
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	$\text{CH}_3(\text{CH}_2)_3\text{CH}_3$
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 (1013 hPa)
Molecular Weight	72.15 g/mol
Assay (by % GC) Identity Test	95.0
Water (ppm)	200
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	$\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}(\text{CH}_3)_2$
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 (1013 hPa)
Molecular Weight	86.18 g/mol
Assay (by % GC) Identity Test	< 5% Hexan
Water (ppm)	500
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0050

Highly flammable Harmful Dangerous for the Environment
F XN N R11 R38 R48/20 R51/53 R62 R65 R67 S09 S16 S23 S24 S29 S33 S36/37 S61 S62

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

Octane 95% (n-) for use as an Analytical Reagent	
Chemical formula	$\text{CH}_3(\text{CH}_2)_6\text{CH}_3$
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 (by % GC) Identity Test	95.0
Water (ppm)	200
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	$\text{CH}_3(\text{CH}_2)_3\text{CH}_3$
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 (1013 hPa)
Molecular Weight	72.15 g/mol
Assay (by % GC) Identity Test	99.0
Water (ppm)	200
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
CAS number	64742-49-0
UN number	1268
EC number	265-151-9
Refractive index	n/a
Boiling Point	40 - 60°C (1013 hPa)
Molecular Weight	n/a
Water (ppm)	200
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 (ppm)	200
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 (by % GC) Identity Test	99.5
Water (ppm)	1000
Acidity (mEq/g)	
Evaporation Residue (%)	0.0050
Piperidine	0.01
2-Picoline	0.02
Highly flammable Harmful F XN R11R20/21/22 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
CAS number	64742-49-0
UN number	1268
EC number	265-151-9
Refractive index	n/a
Boiling Point	60 - 80°C (1013 hPa)
Molecular Weight	n/a
Water (ppm)	200
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 (by % GC) Identity Test	99.5
Water (ppm)	1000
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	1.62 g/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 (1013 hPa)
Molecular Weight	165.83 g/mol
Assay (by % GC) Identity Test	99.8
Water (ppm)	100
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
Assay (by % GC) Identity Test	
Water (ppm)	200
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 (by % GC) Identity Test	99.7
Water (ppm)	1000
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 (by % GC) Identity Test	99.8
Water (ppm)	300
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 (by % GC) Identity Test	99.8
Water (ppm)	300
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.0300
Stabiliser BHT	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	1.46 g/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 (by % GC) Identity Test	99.5
Water (ppm)	300
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	1.00 g/cm ³ (20 °C)
CAS number	7732-18-5
UN number	
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
Fluorescence 254nm/p	1
Fluorescence 365nm/p	1
Conductivity	2
RI	1.33
Gradient @ 254	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 (by % GC) Identity Test	99.5
Water (ppm)	300
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 (1013 hPa)
Molecular Weight	114.23 g/mol
Assay (by % GC) Identity Test	99.5
Water (ppm)	200
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 (by % GC) Identity Test	98.0
Water (ppm)	500
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



At Labscan, we are committed to integrating excellence at every stage of our processes and at every level of our organisation. Our products are produced, tested, customised, packaged and delivered to the highest standards.



General Purpose Reagent specifications



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 (1013 hPa)
Molecular Weight	58.08 g/mol
Assay (by % GC) Identity Test	99.0
Water (ppm)	5000
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 (by % GC) Identity Test	99.0
Water (ppm)	1000
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 (1013 hPa)
Molecular Weight	84.16 g/mol
Assay (by % GC) Identity Test	98.0
Water (ppm)	1000
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 (by % GC) Identity Test	98.0
Water (ppm)	2000
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 (by % GC) Identity Test	99.0
Water (ppm)	1000
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005
Stabiliser Anylene (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	1.25 g/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 (1013 hPa)
Molecular Weight	98.97 g/mol
Assay (by % GC) Identity Test	99.0
Water (ppm)	1000
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 (by % GC) Identity Test	98.0
Water (ppm)	2000
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	1.48 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 (by % GC) Identity Test	99.0
Water (ppm)	1000
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005
Stabiliser Ethanol (% w/w)	1

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



Dichloromethane G10

General Purpose Reagent (GPR)	
Chemical formula	CH ₂ Cl ₂
Density	1.33 g/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 (by % GC) Identity Test	99.0
Water (ppm)	1000
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005
Stabiliser Anylene (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 (1013 hPa)
Molecular Weight	74.12 g/mol
Assay (by % GC) Identity Test	99.0
Water (ppm)	5000
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005
Stabiliser Ethanol (% w/w)	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 (by % GC) Identity Test	99.0
Water (ppm)	2000
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	1.03 g/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 (by % GC) Identity Test	99.0
Water (ppm)	5000
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 (1013 hPa)
Molecular Weight	73.14 g/mol
Assay (by % GC) Identity Test	98.0
Water (ppm)	5000
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Highly flammable Corrosive
F C R11R20/21/22 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 (by % GC) Identity Test	99.0
Water (ppm)	2000
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	1.03 g/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 (by % GC) Identity Test	99.0
Water (ppm)	5000
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.01
Stabiliser BHT	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 (1013 hPa)
Molecular Weight	74.12 g/mol
Assay (by % GC) Identity Test	99.0
Water (ppm)	5000
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005
Stabiliser BHT	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	1.10 g/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 (by % GC) Identity Test	98.0
Water (ppm)	3000
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Ethyl Acetate G13	
General Purpose Reagent (GPR)	
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 (1013 hPa)
Molecular Weight	88.11 g/mol
Assay (by % GC) Identity Test	99.0
Water (ppm)	2000
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	1.04 g/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 (1013 hPa)
Molecular Weight	30.03 g/mol
Assay (by % GC) Identity Test	35-45
Water (ppm)	
Acidity (mEq/g)	
Evaporation Residue (%)	

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 (1013 hPa)
Molecular Weight	86.18 g/mol
Assay (by % GC) Identity Test	45.0
Water (ppm)	500
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 (by % GC) Identity Test	99.0
Water (ppm)	1000
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) 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 (by % GC) Identity Test	99.0
Water (ppm)	500
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 (1013 hPa)
Molecular Weight	86.18 g/mol
Assay (by % GC) Identity Test	95.0
Water (ppm)	500
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 (by % GC) Identity Test	99.0
Water (ppm)	5000
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) 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 (by % GC) Identity Test	99.5
Water (ppm)	500
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 (by % GC) Identity Test	99.0
Water (ppm)	3000
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 (1013 hPa)
Molecular Weight	72.15 g/mol
Assay (by % GC) Identity Test	95.0
Water (ppm)	500
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
CAS number	64742-49-0
UN number	1268
EC number	265-151-9
Refractive index	n/a
Boiling Point	40 - 60°C (1013 hPa)
Molecular Weight	n/a
Water (ppm)	500
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 (by % GC) Identity Test	99.0
Water (ppm)	5000
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 (by % GC) Identity Test	99.0
Water (ppm)	1000
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
CAS number	64742-49-0
UN number	1268
EC number	265-151-9
Refractive index	n/a
Boiling Point	60 - 80°C (1013 hPa)
Molecular Weight	n/a
Water (ppm)	500
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 (by % GC) Identity Test	99.0
Water (ppm)	2000
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005
Highly flammable Harmful F XN R11R20/21/22 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 (by % GC) Identity Test	99.0
Water (ppm)	1000
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 (by % GC) Identity Test	98.0
Water (ppm)	3000
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 (by % GC) Identity Test	99.0
Water (ppm)	1000
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.03
Stabiliser BHT	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	1.46 g/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 (1013 hPa)
Molecular Weight	131.79 g/mol
Assay (by % GC) Identity Test	99.0
Water (ppm)	1000
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 (by % GC) Identity Test	99.0
Water (ppm)	500
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 (by % GC) Identity Test	98.0
Water (ppm)	1000
Acidity (mEq/g)	0.0005
Evaporation Residue (%)	0.005

Harmful
XN R10 R20/21 R38 S25



Customer care

Looking after our customers is Labscan's 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.ie or e-mail us at sales@labscan.ie

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