HIGH PURITY SOLVENTS

BIOCHEM CHEMOPHARMA
Laboratory Reagents & Fine Chemicals

ACETONE

HPLC & Spectroscopy

C_3H_6O MW=58.08 **1 L + 2.5 L**

Product code: 20103
C.A.S: 67-64-1
EINECS: 200-662-2

H319-H225-H336
P210-P280-P304+P340-P305+P351+P338-P370+P378-P403+P233-P403+P235-P501

Assay (GC)	Min 99.8 %
Water	Max 0.1 %
At 330 nm	Min 15 %
at 3435 nm	Min 50 %
At 340 nm	Min 80 %
at 350 nm	Min 98 %
at 370 nm	Max 0.005
Wavelength @ 1 A.U.	Max 330nm
Appearance	Clear colourless Mobile liquid
non-volatile matter	Max. 0.0005 %
free acid (as CH3COOH)	Max. 0.002 %

ACETONE

Analytical Reagent

C_3H_6O MW=58.08 **1 L + 2.5 L**

Product code: 20099
C.A.S: 67-64-1
EINECS: 200-662-2

H319-H225-H336
P210-P280-P304+P340-P305+P351+P338-P370+P378-P403+P233-P403+P235-P501

Assay (by GC)	Min 99.8 %
Acidity/alkalinity (meq/g)	Max 0.0005
Benzene	Max 0.0002 %
Calcium (Ca)	Max 0.00001 %
Colour APHA	Max 5
Copper (Cu)	Max 0.000001 %
Iron (Fe)	Max 0.000005 %
Lead (Pb)	Max 0.000002 %
Magnesium (Mg)	Max 0.000002 %
Potassium (K)	Max 0.00001 %
Relative density	>= 0.790 and <=
Residue after evaporation	Max 0.0005 % 0.793
Sodium (Na)	Max 0.00002 %
Substances reducing KMnO4	Max 0.0005 %
Total phosphorus (P)	Max 0.000002 %
Water	Max 0.02 %

ACETONITRILE

MSChrom For LC-MS Analysis

C_2H_3N MW=41.05 **2.5 L**

Product code: 20110
C.A.S: 75-05-8
EINECS: 200-835-2

H302+H312+H332- H319-H225
P210-P280-P302+P352-P304+P340-P305+P351+P338-P370+P378-P403+P235-P501

Assay (by GC)	Min 99.9 %
Acidity/alkalinity (meq/g)	Max. 0.0002 meq/g
Filtered to Max.	0.2 micron 0.2m A.U
Residue after evaporation (ppm)	Max. 0.01 % Max 2 ppm
Aluminium (Al)	Max. 0.000005 %
Barium (Ba)	Max. 0.00001 %
Cadmium (Cd)	Max. 0.000001 %
Cobalt (Co)	Max. 0.000001 %
Copper (Cu)	Max. 0.000001 %
absorbance at 195 nm	Max. 0.097
absorbance at 200 nm	Max. 0.022
absorbance at 230 nm	Max. 0.004

ACETONITRILE

HPLC Gradient

C_2H_3N MW=41.05 **2.5 L**

Product code: 20012
C.A.S: 75-05-8
EINECS: 200-835-2

H302+H312+H332-H319-H225
P210-P280-P302+P352-P304+P340-P305+P351+P338-P370+P378-P403+P235-P501

Assay (by GC)	Min 99.9 %
Water Max 0.01 %	Max 0.01 %
Absorbance at :	
at 230nm	Max 0.005 A.U
at 200nm	Max 0.05 A.U
at 210nm	Max 0.02 A.U
at 220nm	Max 0.01 A.U
at 230nm	Max 0.005 A.U
at 240nm	Max 0.005 AU
at 250nm	Max 0.005 AU
Acidity meq/g	Max 0.0008
Gradient analysis (max. eluted peak)	Max 0.01 AU
Residue after evaporation (ppm)	Max 2
Appearance	Clear colourless Mobile liquid

METHANOL

For HPLC

CH_3OH MW=32.04 **2.5 L**

Product code: 21301
C.A.S: 67-56-1
EINECS: 200-659-6

H225-H301-H311-H331-H370
P210-P280-P301+ P310-P302+P352-P304+P340-P370+P378-P403+P233-P501

Assay (GLC)	Min 99.8 %
Water (KF)	Max 0.05 %
Residue on Evaporation	Max 0.0005 %
Absorbance at 210 nm	Max 0.2 %
Absorbance at 220 nm	Max 0.1 %
Absorbance at 230 nm	Max 0.05 %
Absorbance at 240 nm	Max 0.02 %
Absorbance at 250 nm	Max 0.005 %
Absorbance at 260 nm	Max 0.005 %
Acidity/alkalinity (meq/g)	Max 0.0002
Wavelength at 1 A.U.	Max 205 nm

METHANOL

Analytical Reagent

CH_3OH MW=32.04 **2.5 L**

Product code: 21303
C.A.S: 67-56-1
EINECS: 200-659-6

H319-H225-H336
P210-P280-P304+P340-P305+P351+P338-P370+P378-P403+P233-P403+P235-P501

Assay (GCL)	Min 99.9 %
Acidity (meq/g)	Max 0.0005%
Calcium (Ca)	Max 0.00002 %
Carbonyl compounds	Max 0.001 %
Colour APHA	Max 5
Copper (Cu)	Max 0.000002 %
Iron (Fe)	Max 0.00001 %
Lead (Pb)	Max 0.000002 %
Magnesium (Mg)	Max 0.000005 %
Residue after evaporation	Max 0.001 %
Substances darkened by (APHA) H2SO4	Max 5
Substances reducing KMnO4	Max 0.00025 %
Water	Max 0.005 %
Zinc (Zn)	Max 0.000005 %
Ethanol	Max 0.05 %

METHANOL

PestiChrom

CH_3OH MW=32.04 **2.5 L**

Product code: 21299
C.A.S: 67-56-1
EINECS: 200-659-6

H319-H225-H336
P210-P280-P304+P340-P305+P351+P338-P370+P378-P403+P233-P403+P235-P501

Assay (by GC) (%) min. 99,9	min. 99,9
Water (KF) (%) max. 0,1	max. 0,1
Acidity (meq/g) max. 0,0005	max. 0,0005
Residue on Evaporation (%) max. 0,0005	max. 0,0005
Interfering of peaks caused by impurities determined as:	
-Lindan (GC/ECD) max.10ng/l	
lub Paration (GC/NPD) max.10ng/l	passes test

2-PROPANOL

PestiChrom

C_3H_8O MW=60.10 **1 L**

Product code: 21599
C.A.S: 67-63-0
EINECS: 200-661-7

H225-H319-H336
P210-P261-P305 + P351 + P338

Assay (by GC) (%)	Min. 99,8
Water (KF) (%)	Max. 0,2
Acidity (meq/g)	Max. 0,0005
Residue on Evaporation (%)	Max. 0,0005

Interfering of peaks caused by impurities determined as:
Lindane (GC/ECD) max.5ng/l or Parathion (GC/NPD) max.10ng/l passes test

2-PROPANOL

For HPLC & Spectroscopy

C_3H_8O MW=60.10 **1 L**

Product code: 21601
C.A.S: 67-63-0
EINECS: 200-661-7

H225-H319-H336
P210-P261-P305 + P351 + P338

Assay (GC)	Min 99.85 %
Water (Karl Fischer)	Max 0.05 %
non-volatile matter	Max. 0.0003 %
free acid (as C2H5COOH)	Max. 0.001 %
absorbance at 400 nm	Max. 0.01
absorbance at 260 nm	Max. 0.01
absorbance at 230 nm	Max. 0.10
absorbance at 220 nm	Max. 0.20
absorbance at 210 nm	Max. 0.70
absorbance at 205 nm	Max. 1.0
APHA	Max. 10

2-PROPANOL

Laboratory Reagent

C_3H_8O MW=60.10 **2.5 L**

Product code: 21600
C.A.S: 67-63-0
EINECS: 200-661-7

H225-H319-H336
P210-P261-P305 + P351 + P338

Assay (By GC)	Min 99.0%
Water (KF)	Max 0.5%
Acidity meq/g	Max 0.0005
Residue on Evaporation	Max 0.005%

PETROLEUM ETHER 40-60°C

Analytical Reagent **2.5 L**

Product code: 21613
C.A.S: 101316-46-5
EINECS: 232-453-7

H304-H350-H319-H340-H360FD-H315-H373-H335-H336
P201-P280-P301+P310-P302+P352-P304+P340-P305+P351+P338-P308+P313-P501

Acidity/alkalinity (meq/g)	Max 0.0001
Calcium (Ca)	Max 0.00005 %
Colour APHA	Max 10
Copper (Cu)	Max 0.000005 %
Iron (Fe)	Max 0.00002 %
Lead (Pb)	Max 0.000005 %
Magnesium (Mg)	Max 0.000005 %
Potassium (K)	Max 0.00002 %
Residue after evaporation	Max 0.001 %
Sodium (Na)	Max 0.00005 %
Total phosphorus (P)	Max 0.00005 %
Total silicon (Si)	Max 0.000005 %
Total sulfur (S)	Max 0.001 %
Water	Max 0.01 %
Wt/ml at 20C	Min 0.64 and Max
Zinc (Zn)	Max 0.00001 % 0.66 g

PETROLEUM ETHER 40-60°C

For HPLC & Spectroscopy **1L**

Product code: 21616
C.A.S: 8032-32-4
EINECS: 232-453-7

H225-H304-H315-H336-H411
P210-P280-P301+P330+P331-P302+P352-P312

Boiling range	40 - 60°C
Wt per ml at	20°C 0.640-0.650 g
Acidity meq/gm	Max 0.0005
Water	Max 0.02%
Non volatile matter	Max 0.001%
UV absorption (1cm cell vs H2O) at	
210 nm	Max 1.0
220 nm	Max 0.3
230 nm	Max 0.1
260 nm	Max 0.01

TOLUENE

Analytical Reagent $C_6H_5CH_3$ MW=92.14 **2.5 L**

Product code: 22009
C.A.S: 108-88-3
EINECS: 203-625-95

H304-H225-H361d-H315-H373-H336
P201-P280-P302+P352-P303+P361+P353-P304+P340-P308+P313-P370+P378-P501

Assay (by GC)	Min 99.8 %
Water (KF)	Max 0.03 %
Residue on Evaporation	Max 0.001 %
Acidity (meq/g)	Max 0.0001
Benzene	Max 0.05 %
Xylenes	Max 0.05 %
Substances reducing KMnO4	Max 0.0005 %
Substances darkened by	H2SO4 (APHA)Max 50
Calcium (Ca) Max 0.00001 %	Max 0.00001 %
Copper (Cu) Max 0.000002 %	Max 0.000002 %

TOLUENE

Laboratory Reagent $C_6H_5CH_3$ MW=92.14 **2.5 L**

Product code: 22001
C.A.S: 108-88-3
EINECS: 203-625-95

H304-H225-H361d-H315-H373-H336
P201-P280-P302+P352-P303+P361+P353-P304+P340-P308+P313-P370+P378-P501

Assay (by GC)	Min 99.0 %
Water (KF)	Max 0.1 %
Residue on Evaporation	Max 0.005 %
Acidity (meq/g)	Max 0.0005

WATER

For HPLC H_2O MW=18.02 **1 L**

Product code: 52211
C.A.S: 7732-18-5
EINECS: 231-791-2

Conductivity mS/cm	Max 5
Gradient analysis (max eluted peak) A.U.	Max 0.002
Residue after evaporation ppm	Max 5
Residue after ignition	Max 0.0003 %

WATER LC-MSChrom H_2O MW=18.02 **2.5 L**

Product code: 52216
C.A.S: 7732-18-5
EINECS: 231-791-2

Colour APHA	Max 5
Conductivity µS/cm	Max 0.09
Residue on evaporation	Max 0.00005 %
Total Organic Carbon (TOC) ppb	Max 10
HPLC Gradient (test)	Conform
Acidity	Max 0.0002 %
Alcalinity	Max 0.00005 %
HPLC Gradient :	
at 210 nm AU	Max 0.010
at 254 nm AU	Max 0.5
Drift HPLC :	
at 210 nm AU	Max 0.010
at 254 nm AU	Max 0.003

XYLENE Laboratory Reagent C_8H_{10} MW=106.17 **2.5 L**

H319-H225-H336
P210-P280-P304+P340-P305+P351+P338-P370+P378-P403+P233-P403+P235-P501

Product code: 52215
C.A.S: 1330-20-7
EINECS: 215-535-7

Assay (by GC)	Min. 98 %
Water	Max. 0,05 %
Residue on Evaporation	Max. 0,002 %
Acidity/alkalinity (meq/g) 1	Max. 0,0001
Benzene	Max. 0,05 %
Toluene (%)	Max. 1 %
n-Propyl benzene	Max 1 %
Substances reducing KMnO4	Max 0.0005 %
Colour APHA	Max 10
Residue after evaporation (ppm)	Max 20
Appearance	Clear colourless Mobile liquid

XYLENE For Synthesis C_8H_{10} MW=106.17 **2.5 L**

H319-H225-H336
P210-P280-P304+P340-P305+P351+P338-P370+P378-P403+P233-P403+P235-P501

Product code: 52217
C.A.S: 1330-20-7
EINECS: 215-535-7

Assay (isomeric mixture) % Min 98.5	Min 98.5 %
Water (by K.F.) ppm Max 200	Max 200
Residue on evaporation ppm Max 100	Max 100
Benzene ppm Max 50	Max 50
Total sulfur ppm Max 100	Max 100