Tetrahydrofuran HiPerSolv CHROMANORM® for HPLC

Filtered 0.2 µm filter, packaged under nitrogen, Not being stabilized, this product normally loses strength during storage.

Assay (on anhydrous substance)	Min. 99.7 %
Water	Max. 0.1 %
Evaporation residue	Max. 0.0005 %
Acidity	Max. 0.0005 meq/g
Transmittance (230 nm)	Min. 40 %
Transmittance (240 nm)	Min. 60 %
Transmittance (250 nm)	Min. 70 %
Transmittance (260 nm)	Min. 80 %
Transmittance (280 nm)	Min. 96 %
Transmittance (300 nm)	Min. 98 %
Conforms to BDH 15247	Passes test

Cat. No.	Pk	Pack type
28559.290	1 l	Glass bottle
28559.320	2,5 l	Glass bottle

NEW Tetrahydrofuran SPECTRONORM® for spectroscopy

Unstabilized

Filtered 0.2 µm filter, packaged under nitrogen

Assay (GC)	Min. 99.8 %
Acidity	Max. 0.0005 meq/g
Residue on evaporation	Max. 0.0005 %
Water	Max. 0.02 %
Transmittance (250 nm)	Min. 60 %
Transmittance (260 nm)	Min. 75 %
Transmittance (280 nm)	Min. 95 %
Transmittance (300 nm)	Min. 98 %

Cat. No.	Pk	Pack type
84707.290	1 l	Glass bottle
84707.320	2,5 l	Glass bottle

Tetrahydrofuran, anhydrous (max. 0.003% H_2O)

Stabilised with BHT (2,6-Di-tert-butyl-p-cresol, 2,6-Di-tert-butyl-4-methylphenol, Ionol) 250 ppm

Filtered 0.2 µm filter, packaged under nitrogen

Assay (on anhydrous substance)	Min. 99.9 %
Acidity	Max. 0.0005 meq/g
Evaporation residue	Max. 5 ppm
Water	Max. 30 ppm

Cat. No.	Pk	Pack type
83678.230	250 ml	Glass bottle with septum cap

Bottle with a septum cap featuring six separate re-sealable puncture points

NEW Tetrahydrofuran for peptide synthesis

Stabilised with BHT (2,6-Di-tert-butyl-p-cresol, 2,6-Di-tert-butyl-4-methylphenol, Ionol) 200 - 300 ppm

Assay (calculated on anhydrous)	Min. 99.9 %
Appearance	Clear colourless liquid
Acidity	Max. 0.002 %
Free amines	Max. 0.0002 %
Peroxides (as H_2O_2)	Max. 0.005 %
Residue on evaporation	Max. 0.0005 %
Stabilizer (BHT)	0.02 to 0.03 %
Water	Max. 0.01 %
Fe (Iron)	Max. 0.1 ppm
Mg (Magnesium)	Max. 0.1 ppm
Pb (Lead)	Max. 0.1 ppm
Zn (Zinc)	Max. 0.1 ppm

Cat. No.	Pk	Pack type
84577.320	2,5 l	Glass bottle

Tetrahydrofuran AnalaR NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent

Stabilised with BHT (2,6-Di-tert-butyl-p-cresol, 2,6-Di-tert-butyl-4-methylphenol, Ionol) 250 - 400 ppm

Assay (on anhydrous substance)	Min. 99.5 %	IR Spectrum	Passes test
Acidity	Max. 0.001 meq/g	Boiling point	65.0 to 66.5 °C
Colouration	Max. 20 APHA	Density (20/4)	0.885 to 0.888
Density (20/20)	0.886 to 0.890	n 20/D	1.406 to 1.408
Evaporation residue	Max. 0.03 %	Peroxides (as H_2O_2)	Max. 0.015 %
Water	Max. 0.05 %	Al (Aluminium)	Max. 0.5 ppm
B (Boron)	Max. 0.02 ppm	Ba (Barium)	Max. 0.1 ppm
Ca (Calcium)	Max. 0.5 ppm	Cd (Cadmium)	Max. 0.05 ppm
Co (Cobalt)	Max. 0.02 ppm	Cr (Chromium)	Max. 0.02 ppm
Cu (Copper)	Max. 0.02 ppm	Fe (Iron)	Max. 0.1 ppm
Mg (Magnesium)	Max. 0.1 ppm	Mn (Manganese)	Max. 0.02 ppm
Ni (Nickel)	Max. 0.02 ppm	Pb (Lead)	Max. 0.1 ppm
Sn (Tin)	Max. 0.1 ppm	Zn (Zinc)	Max. 0.1 ppm
Conforms to ACS	Passes test	Conforms to Reag. Ph.Eur.	Passes test

Cat. No.	Pk	Pack type
28551.296	1 l	Glass bottle
28551.321	2,5 l	Glass bottle
28551.460	25 l	Metal drum

Tetrahydrofuran, dehydrated (max. 0.01% H_2O) AnalaR NORMAPUR® analytical reagent

Stabilised with BHT (2,6-Di-tert-butyl-p-cresol, 2,6-Di-tert-butyl-4-methylphenol, Ionol) max. 300 ppm

Assay (calculated on dried substance)	Min. 99.8 %	Appearance	Clear colourless liquid
Acidity	Max. 0.006 %	Peroxides (as H_2O_2)	Max. 0.02 %
Residue on evaporation	Max. 0.001 %	Stabilizer (Ionol/BHT)	Max. 0.03 %
Water	Max. 0.01 %	Al (Aluminium)	Max. 0.5 ppm
B (Boron)	Max. 0.02 ppm	Ba (Barium)	Max. 0.1 ppm
Ca (Calcium)	Max. 0.5 ppm	Cd (Cadmium)	Max. 0.05 ppm
Co (Cobalt)	Max. 0.02 ppm	Cr (Chromium)	Max. 0.02 ppm
Cu (Copper)	Max. 0.02 ppm	Fe (Iron)	Max. 0.1 ppm
Mg (Magnesium)	Max. 0.1 ppm	Mn (Manganese)	Max. 0.02 ppm
Ni (Nickel)	Max. 0.02 ppm	Pb (Lead)	Max. 0.1 ppm
Sn (Tin)	Max. 0.1 ppm	Zn (Zinc)	Max. 0.1 ppm

Cat. No.	Pk	Pack type
28553.293	1 l	Glass bottle

Tetrahydrofuran GPR RECTAPUR®

Stabilised with BHT (2,6-Di-tert-butyl-p-cresol, 2,6-Di-tert-butyl-4-methylphenol, Ionol) 250 - 400 ppm

Assay	Min. 99 %
Appearance	Clear colourless liquid
IR Spectrum	Passes test
Density (20/4)	0.885 to 0.888
Distillation range	65 to 67 °C
Free acidity	Max. 0.0003 meq/g
n 20/D	1.406 to 1.408
Peroxides (as H_2O_2)	Max. 100 ppm
Water	Max. 0.03 %
Conforms to BDH 30371	Passes test

Cat. No.	Pk	Pack type
28552.290	1 l	Glass bottle
28552.324	2,5 l	Glass bottle
28552.368	5 l	Metal can
28552.461	25 l	Metal drum