

Tetrahydrofuran, ULC-MS

C ₄ H ₈ O	FW. 72.11	Density 1 L = 0.890 Kg.
CAS-No.	109-99-9	Melting Point - 108.5 °C
Code	UM1200	Boiling Point 65-66 °C

Specifications

Assay (by GC.)	99.95%	min.
Appearance	Clear and colorless liquid	
Identity (IR)	Passes test	
Color (APHA)	5	max.
Water (by Coulometry)	0.02%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0001%	max.
Peroxide (as H ₂ O ₂), (at the time of manufacturing)	0.005%	max.
UV Transmission Levels (%T)		
280 nm	99%	min.
270 nm	88%	min.
245 nm	55%	min.
235 nm	40%	min.
215 nm	30%	min.
Gradient Specification		
at 254 nm	10	mAU max.
at 280 nm	3	mAU max.
Fluorescence (as quinine)		
at 254 nm	1.0	ppb max.
at 365 nm	1.0	ppb max.
Aluminium (Al)	10	ppb max.
Barium (Ba)	10	ppb max.
Bismuth (Bi)	20	ppb max.
Cadmium (Cd)	20	ppb max.
Calcium (Ca)	30	ppb max.
Chromium (Cr)	10	ppb max.
Cobalt (Co)	10	ppb max.
Copper (Cu)	10	ppb max.
Iron (Fe)	20	ppb max.
Lead (Pb)	20	ppb max.
Lithium (Li)	20	ppb max.
Magnesium (Mg)	30	ppb max.
Manganese (Mn)	10	ppb max.
Molybdenum (Mo)	20	ppb max.
Nickel (Ni)	10	ppb max.
Potassium (K)	30	ppb max.
Silver (Ag)	20	ppb max.
Sodium (Na)	50	ppb max.
Strontium (Sr)	20	ppb max.
Tin (Sn)	20	ppb max.
Zinc (Zn)	20	ppb max.
Suitable for LC-MS (ESI positive as Reserpine)	20	ppb max.

Product passed through 0.1 micron final filter and bottled under inert gas.

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S-QC03-UM-S-0157 / RV.00 / Eff.date 01-07-22