

Technical Datasheet

Article No. 797

Tetrahydrofuran for UHPLC-MS
min. 99.9 % C₄H₈O

For laboratory use.

Parameter	Value
Appearance	Clear, colourless liquid
Density	0.89 g/cm ³
Mol. Weight	72.11 g/mol
Boiling point	66 °C
Melting point	-108.4 °C
Water (KF)	max. 0.02 % w/w
Residue on evaporation	max. 0001 % w/w
LC-MS suitability test (reserpine)	max. 50 ppb
Absorption at 220nm	max. 0.55 AU
Absorption at 235 nm	max. 0.40 AU
Absorption at 245 nm	max. 0.26 AU
Absorption at 255 nm	max. 0.15 AU
Absorption at 275 nm	max. 0.05 AU
Absorption at 285 nm	max. 0.02 AU
Absorption at 315 nm	max. 0.01 AU
Fluorescence (as quinine) at 254 nm	max. 1 ppb
Fluorescence (as quinine) at 365 nm	max. 1 ppb
Gradient test at 254 nm	max. 10 mAU
Gradient test at 280 nm	max. 5 mAU
Peroxides (as H ₂ O ₂)	max. 0.01 %
Acidity	max. 0.004 meq/g
Alkalinity	max. 0.0004 meq/g
Calcium (Ca)	max. 50 ppb

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Potassium (K)	max. 100 ppb
Iron (Fe)	max. 20 ppb
Magnesium (Mg)	max. 20 ppb
Sodium (Na)	max. 100 ppb
Aluminum (Al)	max. 20 ppb
Lead (Pb)	max. 20 ppb
Filtered through 0.2 µm	
Filled under inert gas	