

Technical Datasheet

Article No. 2690

Acetonitrile for UHPLC-MS
99.97–100.0 % CH₃CN

For laboratory use.

Parameter	Value
Appearance	Clear, colorless liquid
Density	0.786 g/ml
Mol.-Weight	41.04 g/mol
Boiling point	81–82 °C
Melting point	-46 °C
Assay (GC, on anhydrous basis)	99.97–100.0 %
Water (KF)	max. 0.01 % w/w
Residue on evaporation	max. 0.0001 % w/w
LC-MS suitability (reserpine)	max. 30 ppb
Absorption at 190 nm	max. 1.00 AU
Absorption at 195 nm	max. 0.07 AU
Absorption at 200 nm	max. 0.02 AU
Absorption at 205 nm	max. 0.01 AU
Absorption at 210 nm	max. 0.01 AU
Absorption at 220 nm	max. 0.008 AU
Absorption at 254 nm	max. 0.005 AU
Fluorescence at 254 nm (as quinine)	max. 0.3 ppb
Fluorescence at 365 nm (as quinine)	max. 0.3 ppb
Gradient test at 210 nm	max. 1.0 mAU
Gradient test at 254 nm	max. 0.5 mAU
Acidity	max. 0.0002 meq/g
Alkalinity	max. 0.0001 meq/g
Calcium (Ca)	max. 50 ppb

Technical Datasheet

Article No. 2690

Acetonitrile for UHPLC-MS
99.97–100.0 % CH₃CN

For laboratory use.

Parameter	Value
Potassium (K)	max. 50 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 0.1 µm	
Filled under inert gas	