

Technical Datasheet

Article No. 1428

Methanol for LC-MS
min. 99.95 %

For laboratory use.

Parameter	Value
Appearance	colourless liquid
Boiling point	65 °C
Flash point	11 °C
Density	0.7914 g/mol
Mol.-Weight	32.04 g/mol
Assay (GC)	min. 99.95 %
Refractive index (20 °C)	1.327–1.331
Water (KF)	max. 200 mg/kg
Non-volatile residue	max. 2 mg/kg
Free acid	max. 0.0003 meq/g
Free alkali	max. 0.00006 meq/g
UV-transmittance at 210 nm	min. 30.0 %
UV-transmittance at 225 nm	min. 65.0 %
UV-transmittance at 235 nm	min. 85.0 %
UV-transmittance at 250 nm	min. 95.0 %
UV-transmittance at min. 260 nm	min. 98.0 %
Fluorescence (quinine) at 254 nm	max. 1 ppb
Fluorescence (quinine) at 365 nm	max. 1 ppb
HPLC gradient (peak) at 235 nm	max. 2 mAU
HPLC gradient (peak) at 254 nm	max. 1 mAU
Aluminium (Al)	max. 0.000005 %
Iron (Fe)	max. 0.000005 %
Sodium (Na)	max. 0.000005 %

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Calcium (Ca)	max. 0.000005 %
Magnesium (Mg)	max. 0.000005 %
Potassium (K)	max. 0.000005 %
Sensitive impurities (reserpine)	max. 100 ppb
Colour (Hazen)	max. 10
Identity (IR)	complies
Filtered through 0.1 µm	