

Technical Datasheet

Article no. 2637

Acetonitrile for HPLC (min. 99.9 %)
CH₃CN

For laboratory use.

Parameter	Value
Appearance	Clear, colourless liquid
Density (20 °C)	0.781 – 0.786 g/ml
Molar mass	41.05 g/mol
Melting point	-45 – -46 °C
Boiling point	80 – 82.5 °C
CAS No.	75-05-8
Refractive index (20 °C)	1.342 – 1.346
Water (KF)	max. 300 mg/kg
Non-volatile substances	max. 5 mg/kg
Free acids (as CH ₃ COOH)	max. 20 mg/kg
UV transmittance at 197 nm	min. 82.0 %
UV transmittance at 200 nm	min. 85.0 %
UV transmittance at 210 nm	min. 90.0 %
UV transmittance at 220 nm	min. 94.0 %
UV transmittance at 230 nm	min. 97.0 %
UV transmittance at 240 nm	min. 98.0 %
Fluorescence (as quinine) at 254 nm	max. 1 ppb
Colour (Hazen)	max. 10
Filtered through 0.2 µm	