

Technical Datasheet

Article No. 2685

Acetonitrile ultragradient grade for HPLC
min. 99.9 % C₂H₃N

For laboratory use.

Parameter	Value
Appearance	Clear, colourless liquid
Boiling point	80–82.5 °C
Flash point	5.5 °C
Density	0.786 g/ml
Molar mass	41.05 g/mol
Refractive index (20 °C)	1.342–1.346
Water (KF)	max. 100 mg/kg
Non-volatile substances	max. 2 mg/kg
Free acid (as CH ₃ COOH)	max. 20 mg/kg
HPLC gradient test	complies
HPLC gradient (peak) at 210 nm	max. 2 mAU
HPLC gradient (peak) at 254 nm	max. 0.5 mAU
UV transmittance at 197 nm	min. 85.0 %
UV transmittance at 200 nm	min. 92.0 %
UV transmittance at 210 nm	min. 95.0 %
UV transmittance at 220 nm	min. 98.0 %
Fluorescence (quinine) at 254 nm	max. 1 ppb
Gradient baseline drift at 210 nm	max. 12 mAU
UV Cut off	max. 190 nm
Colour (Hazen)	max. 10
Filtered through 0.2 µm	