

# Technical Datasheet

Article No. 2653

Acetonitrile gradient grade for HPLC  
min. 99.9 % C<sub>2</sub>H<sub>3</sub>N

For laboratory use.

Parameter	Value
Appearance	colourless liquid
Boiling point	80–82.5 °C
Flash point	5.5 °C
Density	0.786 g/ml
Mol.-Weight	41.05 g/mol
Refractive index (20 °C)	1.342–1.346
Water (KF)	max. 300 mg/kg
Non volatile residue	max. 5 mg/kg
Free acid (as CH <sub>3</sub> COOH)	max. 20 mg/kg
HPLC gradient (peak) at 210 nm	max. 5 mAU
HPLC gradient (peak) at 254 nm	max. 0.8 mAU
UV-transmittance at 197 nm	min. 82.0 %
UV-transmittance at 200 nm	min. 90.0 %
UV-transmittance at 210 nm	min. 94.0 %
UV-transmittance at 220 nm	min. 96.0 %
UV-transmittance at 230 nm	min. 98.0 %
Fluorescence (quinine) at 254 nm	max. 1 ppb
Colour (hazen)	max. 10
Filtered through 0.2 µm	