neoFroxx
For a greener laboratory

neoFroxx GmbH
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Specification

Product	**Acetonitrile for HPLC gradient grade**
Product number	LC-5413
Synonyms	Methyl cyanide
Formula	C_2H_3N
Molecular weight	41.05 g/mol
CAS number	75-05-8
Storage	below 25°C
Retest period (months)	48

Suitable for UPLC and UHPLC instruments.
Conforms to Acetonitrile for chromatography and Acetonitrile R1 according to Reag.Ph Eur and conforms to the requirements of ACS.
Microfiltered product (0.1 µm) and bottled under nitrogen atmosphere.

Parameter	**Specification**
Assay (GC)	>= 99.9 %
Identity (IR)	passes test
Density	0.779 - 0.783
Colour	<= 10.0 Hazen
Acidity	<= 0.0005 meq/g
Alkalinity	<= 0.0001 meq/g
Non-volatile matter	<= 0.0001 %
Water (K.F.)	<= 0.02 %
Gradient at 210 nm	<= 1.0 mAU
Gradient at 254 nm	<= 0.5 mAU
Fluorescence	
254 nm (as quinine)	<= 1.0 ppb
365 nm (as quinine)	<= 0.5 ppb

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Specification

Product	Acetonitrile for HPLC gradient grade

Parameter	Specification
Transmittance	
193 nm	>= 60.0 %
195 nm	>= 80.0 %
230 nm	>= 98.0 %
Rohrschneider polarity	5.8
Eluotropic value e° (Al_2O_3)	0.65
Solubility	miscible

Einhausen, 29.10.2024

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