



Personalized PDF Catalog
Catalogue Generated 29 September, 2022

Acetonitrile $\geq 99.9\%$, HiPerSolv CHROMANORM® for LC-MS, suitable for UPLC/UHPLC instruments

Supplier: VWR Chemicals



Danger

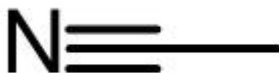


Synonyms: Methyl cyanide, Ethanoic acid nitrile, Ethanenitrile, Cyanomethane

Filtered through a 0.2 μm filter, packaged under nitrogen.

Formula: H_3CCN
MW: 41,05 g/mol
Boiling Pt: 81,6 °C (1013 hPa)
Melting Pt: -45,7 °C
Density: 0,7820 g/cm³ (20 °C)
Flash Pt: 2 °C (closed cup)
Storage Temperature: Ambient

MDL Number: MFCD00001878
CAS Number: 75-05-8
EINECS: 200-835-2
UN: 1648
ADR: 3,II
REACH: 01-2119471307-38
Merck Index: 13,00071



Specification Test Results

Assay (on anhydrous substance)	Min. 99.9 %
Solution (100 g/l)	Passes test
Acidity	Max. 0.0001 meq/g
Alkalinity	Max. 0.0002 meq/g
Boiling point	80 - 82 °C
Colouration	Max. 10 APHA
Density (20/4)	0.781 - 0.784
Density (20/20)	0.782 - 0.785
Refractive index (20°C)	1.343 - 1.345
Evaporation residue	Max. 2 ppm
Water	Max. 0.02 %
Al (Aluminium)	Max. 50 ppb
Ca (Calcium)	Max. 50 ppb
Fe (Iron)	Max. 50 ppb
K (Potassium)	Max. 50 ppb
Mg (Magnesium)	Max. 10 ppb
Na (Sodium)	Max. 100 ppb
Absorbance (191 nm)	Max. 0.5
Absorbance (200 nm)	Max. 0.1
Absorbance (210 nm)	Max. 0.02
Absorbance (215 nm)	Max. 0.01
Absorbance (220 nm)	Max. 0.01
Absorbance (230 nm)	Max. 0.005
Absorbance (from 240 nm)	Max. 0.005

Transmittance (191 nm)	Min. 30 %
Transmittance (195 nm)	Min. 80 %
Transmittance (200 nm)	Min. 95 %
Transmittance (210 nm)	Min. 96 %
Transmittance (215 nm)	Min. 98 %
Transmittance (220 nm)	Min. 98 %
Transmittance (230 nm)	Min. 99 %
Transmittance (from 240 nm)	Min. 99 %
Fluorescence (as quinine) (254/450 nm)	Max. 1 ppb
Gradient grade (210 nm)	Max. 3 mAU
Gradient (254 nm)	Max. 1 mAU
MS-ESI+ (as Reserpine)	Max. 2 ppb
MS-APCI+ (as Reserpine)	Max. 2 ppb
MS-ESI- (as 4-Nitrophenol)	Max. 20 ppb
MS-APCI- (as 4-Nitrophenol)	Max. 20 ppb
Conforms to Reag. Ph.Eur.	Passes test

ORDER

VWR Catalog Number	Quantity	Pack type	Pk
83640.290		Glass bottle	1 L

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83640.320		Glass bottle	2,5 L
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83640.400		Glass bottle	4 L
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