

Certificate of Analysis

Product: Acetonitrile, LC/MS Grade
Item Number: CANLCMS
CAS#: 75-05-8
Grade: LCMS
Lot Number: 5001906/1.1
Manufacture Date: 10/21/2024
Expiration Date: 10/20/2027
Country of Origin: China

Tested Property	Specification	Analysis
Assay (on anhydrous substance)	Min 99.9%	99.99
Solution (100g/l)	Neutral	Neutral
Acidity	Max 0.0002 mmol/g	0.00018
Alkalinity	Max 0.0001 mmol/g	0
Coloration	Max 10 APHA	10
Density (20/4) (4°C)	0.781 - 0.784	0.782
Density (20/20) (20°C)	0.782 - 0.785	0.784
n 20/D	1.343 - 1.345	1.344
Evaporation Residue	Max 1 ppm	0.87
Water	Max 100 ppm	16.1
Al (Aluminum)	Max 10 ppb	<10
Ca (Calcium)	Max 10 ppb	<10
Fe (Iron)	Max 10 ppb	<10
K (Potassium)	Max 10 ppb	<10
Mg (Magnesium)	Max 10 ppb	<10
Na (Sodium)	Max 10 ppb	<10
UV Absorbance:		
190nm	Max 0.456	0.410
195nm	Max 0.071	0.051
200nm	Max 0.022	0.008

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210nm	Max 0.018	0.006
UV Absorbance (1.0cm cell vs Water):		
220nm	Max 0.013	0.003
230nm	Max 0.004	0.001
240nm	Max 0.004	0001
Fluorescence (as quinine) (254/450nm)	Max 1 ppb	<1
Gradient (210nm)	Max 0.8 mAU	0.516
Gradient (254nm)	Max 0.5 mAU	0.300
MS-ESI+ (as Reserpine)	Max 10 ppb	<10
MS-APCI+ (as Reserpine)	Max 20 ppb	<20
MS-ESI- (as 4-Nitrophenol)	Max 20 ppb	<20
MS-APCI- (4-Nitrophenol)	Max 20 ppb	<20
Conforms to Ch.P.	Pass the Test	Pass
Conforms to Reag. Ph. Eur.	Pass the Test	Pass
Conforms to ACS	Pass the Test	Pass

[Acetonitrile, LC/MS Grade](#)

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

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