LAB ALLEY
ESSENTIAL CHEMICALS

Certificate of Analysis

Product: Acetonitrile
Item Number: CANLCMS
Grade: LCMS
Lot Number: 5001888/1.1
Manufacture Date: 12/19/2025
Expiration Date: 12/18/2030
Country of Origin: United States

Tested Property	Specification	Analysis
Assay (by GC-FID) (Corrected for Water)	Min 99.9%	99.98
Fluorescence at emission maximum for Impurities	Max 0.3 ppb	<0.3
LC gradient elution suitability at		
215 nm	Max 0.005 AU	0.0003
254 nm	Max 0.001 AU	0.0003
LC-MS Positive mode (as Reserpine)	Max 50 ppb	<50
LC-MS Negative mode (as Nitrophenol)	Max 50 ppb	<50
Refractive Index at 20°C	1.3434 - 1.3446	1.3439
Residue after Evaporation	Max 1 ppm	0.1
Water (by KF coulometry)	Max 0.010%	0.0005
Aluminum (Al)	Max 50 ppb	<1
Barium (Ba)	Max 5 ppb	<1
Cadmium (Cd)	Max 5 ppb	<1
Calcium (Ca)	Max 50 ppb	<1
Chromium (Cr)	Max 5 ppb	<1
Cobalt (Co)	Max 5 ppb	<1
Copper (Cu)	Max 5 ppb	<1
Iron (Fe)	Max 5 ppb	<1
Lead (Pb)	Max 5 ppb	<1
Magnesium (Mg)	Max 10 ppb	<1

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Manganese (Mn)	Max 5 ppb	<1
Nickel (Ni)	Max 5 ppb	<1
Potassium (K)	Max 10 ppb	<1
Silver (Ag)	Max 5 ppb	<1
Sodium (Na)	Max 50 ppb	2
Tin (Sn)	Max 5 ppb	<1
Zinc (Zn)	Max 5 ppb	<1

CAS RN: 75-05-8

Acetonitrile

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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