LAB ALLEY
ESSENTIAL CHEMICALS

Certificate of Analysis

Product: Methanol 99% LC/MS Grade
Item Number: MALCMS
CAS#: 67-56-1
Grade: LCMS
Lot Number: 5002558/2.1
Manufacture Date: 08/23/2026
Retest Date : 08/22/2029
Country of Origin: United States

Tested Property	Specification	Analysis
Assay (by GC-FID) (Corrected for Water)	Min 99.90%	99.99%
Refractive Index at 20°C	1.3280 - 1.3288	1.3286
Water (by KF coulometry)	Max 0.05%	0.003%
Residue after Evaporation	Max 1 ppm	0.2 ppm
LC Gradient elution suitability at		
220nm	Max 0.005 AU	0.0009 AU
254nm	Max 0.001 AU	<0.0001 AU
Fluorescence at emission maximum for impurities	Max 0.30 ppb	<0.30 ppb
LC-MS Positive mode (as Reserpine)	Max 50 ppb	<50 ppb
LC-MS Negative mode (as Nitrophenol)	Max 50 ppb	<50 ppb
Titrable Acid	Max 0.0003 meq/g	0.0002 meq/g
Titrable Base	Max 0.0002 meq/g	0.00002 meq/g
Aluminum (Al)	Max 50 ppb	<1 ppb
Barium (Ba)	Max 5 ppb	<1 ppb
Cadmium (Cd)	Max 5 ppb	<1 ppb
Calcium (Ca)	Max 50 ppb	<1 ppb
Chromium (Cr)	Max 5 ppb	<1 ppb
Cobalt (Co)	Max 5 ppb	<1 ppb
Copper (Cu)	Max 5 ppb	<1 ppb
Iron (Fe)	Max 5 ppb	<1 ppb

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

Metal results are at time of packaging and may increase from extraction from the container. Filtered through a 0.2 micron filter.

Methanol 99% 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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