

Certificate of Analysis

Product: Methanol 99.9%
Item Number: MALCMS
Grade: LCMS
Lot Number: 5000911/1.1
Manufacture Date: 08/19/2024
Expiration Date: 08/18/2027
Country of Origin: Venezuela

Tested Property	Specification	Analysis
Assay (by GC-FID) (Corrected for Water)	Min 99.9%	>99.99
Refractive Index at 20Å°C	1.3280 â€” 1.3288	1.3285
Water (by KF coulometry)	Max 0.05%	0.002
Residue after Evaporation	Max 1 ppm	0.3
LC Gradient elution suitability at		
220nm	Max 0.005 AU	0.0003
254nm	Max 0.001 AU	0.0003
Fluorescence at emission maximum for impurities	Max 0.30 ppb	<0.30
LC-MS Positive mode (as Reserpine)	Max 50 ppb	<50
LC-MS Negative mode (as Nitrophenol)	Max 50 ppb	<50
Titration Acid	Max 0.0003 meq/g	0.0002
Titration Base	Max 0.0002 meq/g	0.0001
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

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Lead (Pb)	Max 5 ppb	<1
Magnesium (Mg)	Max 10 ppb	<1
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	<1
Tin (Sn)	Max 5 ppb	<1
Zinc (Zn)	Max 5 ppb	<1

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

[Methanol 99.9%](#)

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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