

Certificate of Analysis

Product: Methanol 99%
Item Number: MALCMS
Grade: LCMS
Lot Number: 5000911/1.2
Manufacture Date: 09/30/2024
Expiration Date: 09/29/2027
Country of Origin: Venezuela

Tested Property	Specification	Analysis
Assay (by GC-FID) (Corrected for Water)	Min 99.9%	>99.99
Refractive Index at 20°C	1.3280 - 1.3288	1.3285
Water (by KF coulometry)	Max 0.05%	0.0008
Residue after Evaporation	Max 1 ppm	0.3
LC Gradient elution suitability at		
220nm	Max 0.005 AU	<0.0005
254nm	Max 0.001 AU	<0.0001
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	<0.00002
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%](#)

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