

Certificate of Analysis

Product: Methanol
Item Number: MAA
Grade: ACS/USP/NF
Lot Number: K20A17K10
Manufacture Date: 01/17/2020
Expiration Date: 01/16/2025
Country of Origin: United States

Tested Property	Specification	Analysis
Assay (corrected for water)	99.8% min	99.95%
Assay	NLT 99.5%	99.97%
Appearance	To pass test	Pass
Identification A (infrared Absorption)	To pass test	Pass
Identification B (GC Analysis)	To pass test	Pass
Acidity	NMT 0.45mL 0.020N NaOH required	0.25mL
Alkalinity (as NH ₄)	NMT 0.20mL 0.020N H ₂ SO ₄ required (3 ppm max)	0.15mL
Titration Acid	0.0003 meq/g max.	0.0002 meq/g
Titration Base	0.0002 meq/g max.	<0.0001 meq/g
Readily Carbonizable Substances	To pass test	Pass
Carbonyl Compound	Acetone, 0.001% max	None detected
Carbonyl Compound	Formaldehyde, 0.001% max	< 0.001%
Carbonyl Compound	Acetaldehyde, 0.001% max	< 0.001%
Acetone and Aldehydes (as Acetone)	NMT 0.003%	<0.003%
Readily Oxidizable Substances	To pass test	Pass
Non-Volatile Residue	NMT 2MG (0.001% w/w)	0 mg
Residue on Evaporation	0.001% max	0.000%
Substances Reducing Permanganate	To pass test	Pass
Substances darkened by Sulfuric Acid	To pass test	Pass
Solubility in Water	To pass test	Pass

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Color (APHA)	10 max	< 1
Water	NMT 0.1%	0.02%

Methanol

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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