

### Certificate of Analysis

**Product: Methanol 99%**  
**Item Number: MAL**  
**Grade: Lab**  
**Lot Number: 107863**  
**Manufacture Date: 11/20/2021**  
**Expiration Date: 11/19/2024**  
**Country of Origin: United States**

Tested Property	Specification	Analysis
Appearance	Clear & free of suspended matter	Pass
Color, Pt-Co Scale	Max 5	<5
Purity on dry basis	Min 99.85 wt%	99.99
Water	Max 0.100 wt%	0.016
Distillation Range, Å,Å°C	Max 1.0	0.3
Specific Gravity @ 20/20Å,Å°C	0.7910 - 0.7930	0.7924
Potassium Permanganate	Min 60 minutes	>60
Carbonizables	Max 30 at Pt-Co Scale	5
Acetone	Max 30 mg/kg	5
Acidity as Acetic Acid	Max 30 mg/kg	5
Water Miscibility	To pass the test	Pass
Non-volatile matter	Max 8 mg/1000ml	1
Ethanol	Max 50 mg/kg	5
Chloride	Max 0.5 mg/kg	0.25
Sulfur	Max 0.5 mg/kg	<0.5
Iron in solution	Max 0.10 mg/kg	0.01
Appearance	Clear & free of suspended matter	Pass
Color, Pt-Co Scale	Max 5	<5
Purity on dry basis	Min 99.85 wt%	99.99
Water	Max 0.100 wt%	0.016

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Iron in solution	Max 0.10 mg/kg	0.01

#### [Methanol 99%](#)

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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