

### Certificate of Analysis

**Product: Methanol 99%**  
**Item Number: MAL**  
**Grade: Lab**  
**Lot Number: 100-17**  
**Manufacture Date: 12/23/2022**  
**Expiration Date: 12/22/2025**  
**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%	0.003
Specific Gravity @ 20/20°C	0.7910 - 0.7930	0.7925
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	11
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
Boiling range	Max 1.0°C	0.3°C
IBP at 760 mm Hg	Max 64.7°C	64.2°C
FBP at 760 mm Hg	Min 64.5°C	64.5°C

[Methanol 99%](#)

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