

### Certificate of Analysis

**Product: Methanol**  
**Item Number: MAA**  
**Grade: ACS**  
**Lot Number: 298440**  
**Manufacture Date: 03/06/2023**  
**Expiration Date: 03/05/2025**  
**Country of Origin: United States**

Tested Property	Specification	Analysis
Appearance	Clear Liquid, free of suspended matter	Clear & Free
Odor	Characteristic	Characteristic
Purity, Wt%	Min 99.85	100.00
Acetone, mg/kg	Max 30	NA
Color, Pt-Co	Max 5	<5
Water, Wt %	Max 0.1	0.02
Distillation range @ 760 mm Hg IBP, Â°C	Max 1 Â°C Range	0.2
Distillation range @ 760 mm Hg IBP, Â°C	Including 64.6 Â°C(Â±)0.1Â°C	64.5, 64.7
Specific Gravity @ 20Â°/20Â°C	0.791 - 0.793	0.793
Permanganate time @ 15Â°C, minutes	Min 60	>60
Ethanol, mg/kg	Max 50	9
Chlorides as Cl, mg/kg	Max 0.5	<0.3
Sulfur, mg/kg	Max 0.5	<0.5
Hydrocarbons (water miscibility)	Pass Test	Pass
Carbonizable Substances, Pt-Co s	Max 30	<5
Acidity as acetic acid, mg/kg	Max 30	11
Total Iron. mg/kg	Max 0.1	<0.01
Non-volatile matter, mg/1000	Max 8	1

[Methanol](#)

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