

Certificate of Analysis

Product: Methanol 99%
Item Number: MAL
Grade: Lab
Lot Number: 163325
Manufacture Date: 03/31/2023
Expiration Date: 03/30/2026
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%	0.007
Specific Gravity @ 20/20 Å , $\text{Å}^{\circ}\text{C}$	0.7910 - 0.7930	0.7927
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	8
Water Miscibility	To pass the test	Pass
Non-volatile matter	Max 8 mg/1000ml	3
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 Å , $\text{Å}^{\circ}\text{C}$	0.3 Å , $\text{Å}^{\circ}\text{C}$
IBP at 760 mm Hg	Max 64.7 Å , $\text{Å}^{\circ}\text{C}$	64.2 Å , $\text{Å}^{\circ}\text{C}$
FBP at 760 mm Hg	Min 64.5 Å , $\text{Å}^{\circ}\text{C}$	64.5 Å , $\text{Å}^{\circ}\text{C}$
Odor	Characteristic	Pass
Alkalinity	Max 0.0003 wt%	<0.0001

Phone: 512-668-9918, Fax: 512-886-4008,
 E-mail: Customerservice@laballey.com,
www.laballey.com,

12501 Pauls Valley Road, Suite A, Austin, Texas 78737.

© copyright: 2023 Lab Alley

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%	0.007
Specific Gravity @ 20/20°C	0.7910 - 0.7930	0.7927
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	8
Water Miscibility	To pass the test	Pass
Non-volatile matter	Max 8 mg/1000ml	3
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
Odor	Characteristic	Pass
Alkalinity	Max 0.0003 wt%	<0.0001

[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.

This document was electronically issued and is therefore valid without a signature.