

### Certificate of Analysis

**Product: Isopropyl Alcohol 99.8%**  
**Item Number: IPAU99**  
**Grade: USP**  
**Lot Number: 5000407/1.1**  
**Manufacture Date: 10/31/2023**  
**Expiration Date: 10/30/2026**  
**Country of Origin: United States**

Tested Property	Specification	Analysis
Description	Bright and Clear	Pass
Limit of non volatile residue	≤ 2.5 mg	0.2
Water	≤0.5 wt%	0.03
Identification test A (FTIR)	Pass the test	Pass
Identification test B (GC retention)	Pass the test	Pass
Specific gravity @ 25/25°C	0.783 - 0.787	0.7833
Refractive Index @20°C	1.376 - 1.378	1.3771
Acidity as Acetic Acid, wt%	≤0.70 (ml of 0.02 N NaOH)	0.25
Color, Pt-Co	Max 10	<5
Distillation Range	1°C max, includes 82.3 °C	Pass
Water miscibility	Clear and miscible	Pass
Assay	≥ 99.0%	99.9%
Residual Solvent	To pass the test	Pass
Individual impurities	Max 0.1%	< 0.1
Total Impurities	Max 1.0 %	< 1.0
Methanol	Max 200 µL/L	<10
Description	Bright and Clear	Pass
Limit of non volatile residue	≤ 2.5 mg	0.2
Water	≤0.5 wt%	0.03
Identification test A (FTIR)	Pass the test	Pass

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Identification test B (GC retention)	Pass the test	Pass
Specific gravity @ 25/25°C	0.783 - 0.787	0.7833
Refractive Index @20°C	1.376 - 1.378	1.3771
Acidity as Acetic Acid, wt%	≤0.70 (ml of 0.02 N NaOH)	0.25
Color, Pt-Co	Max 10	<5
Distillation Range	1°C max, includes 82.3 °C	Pass
Water miscibility	Clear and miscible	Pass
Assay	≥99.8%	99.9%
Residual Solvent	To pass the test	Pass
Individual impurities	Max 0.1%	< 0.1
Total Impurities	Max 1.0 %	< 1.0
Methanol	Max 200 µL/L	<10

#### [Isopropyl Alcohol 99.8%](#)

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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