

Certificate of Analysis**Product: Isopropyl Alcohol 99.8%****Item Number: IPAU99****Grade: USP****Lot Number: 5000349/1.2****Manufacture Date: 05/23/2024****Expiration Date: 05/22/2026****Country of Origin: United States**

Tested Property	Specification	Analysis
Purity	≥ 99.80 wt%	99.90%
Assay, USP method	≥ 99.0 vol%	99.98%
Limit of individual volatile impurities	≤ 0.1 %	Pass
Limit of total volatile impurities	≤ 1.0 %	Pass
Water, USP method	≤ 0.5 wt%	0.05%
Water content	≤ 0.1 wt%	0.05%
Identification test A (IR)	Pass the test	Pass
Identification test B (GC retention)	Pass the test	Pass
Specific gravity @ 25/25°C	0.783 - 0.787	0.7832
Specific gravity @ 20/20°C	0.7850 - 0.7870	0.7864
Refractive Index @20°C	1.376 - 1.378	1.377
Limit of Nonvolatile Residue	≤ 0.005 g/100mL	0.0002
Acidity as Acetic Acid	≤ 0.001 wt%	0.001
Appearance	Clear/clean free of suspended particles	Pass
Color, APHA (Pt-Co)	Max 5	3
Distillation Range	1°C max, includes 82.3 °C	Pass
Distillation IBP, °C	Min 81.8	82.1
Distillation DP, °C	Max 82.8	82.4
Water miscibility	Clear and miscible	Pass

Meets USP monograph specifications for Isopropyl Alcohol. Meets U.S. Federal Specification TT-I-735A Amendment 3, Notice 3, 6 June 2007, Grades A & B.

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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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