

Certificate of Analysis

Product: Isopropyl Alcohol 99.8%

Item Number: IPAU99

Grade: USP

Lot Number: 5000186/1.1

Manufacture Date: 07/12/2023

Expiration Date: 07/11/2025

Country of Origin: United States

Tested Property	Specification	Analysis
Purity, wt%	>99.0	100%
Limit of individual volatile impurities , %	≤ 0.1	Pass
Limit of total volatile impurities , %	≤ 1.0	Pass
Water, wt%	≤ 0.5	0.06
Identification test A (IR)	Pass the test	Pass
Identification test B (GC retention)	Pass the test	Pass
Specific gravity @ 20°C	0.783 - 0.787	0.787
Refractive Index @20°C	1.376 - 1.378	1.377
Limit of Nonvolatile Residue, g/100mL	≤ 0.005	0.0002
Acidity as Acetic Acid, wt%	≤ 0.001	0.001
Appearance	Clear/clean free of suspended particles	Pass
Color, APHA (Pt-Co)	Max 5	<5
Distillation Range	1°C max, includes 82.3 °C	Pass
Distillation IBP, °C	Min 81.8	82.1
Distillation DP, °C	Max 82.8	82.5
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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