

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