

Certificate of Analysis

Product: Isopropyl Alcohol 99.8%
Item Number: IPAU99
Grade: USP
Lot Number: 5000299/1.1
Manufacture Date: 07/26/2023
Expiration Date: 07/20/2024
Country of Origin: United States

Tested Property	Specification	Analysis
Purity, wt%	>99.0	99.9%
Limit of individual volatile impurities , %	≤0.1	<0.1
Limit of total volatile impurities , %	≤1.0	<1.0
Water, wt%	≤0.5	0.04
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	0.7833
Refractive Index @20°C	1.376 - 1.378	1.3771
Limit of Nonvolatile Residue, g/100mL	≤2.5 mg	0.2
Acidity as Acetic Acid, wt%	≤0.70	0.20
Appearance	Clear/clean free of suspended particles	Pass
Color, APHA (Pt-Co)	Max 10	<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	82.3
Water miscibility	Clear and miscible	Pass
Residual Solvent	Compliant	Compliant
Limit of Methanol	max 200 uL/L	<10

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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