LAB ALLEY
ESSENTIAL CHEMICALS

Certificate of Analysis

Product: Isopropyl Alcohol 99%
Item Number: IPAHPLC
Grade: HPLC
Lot Number: 5001713/1.1
Manufacture Date: 09/25/2025
Expiration Date: 09/24/2030
Country of Origin: United States

Tested Property	Specification	Analysis
Assay	Min 99.0%	99.95%
Assay (Corrected for Water)	Min 99.5%	99.94%
Solubility in Water	To Pass Test	Passes
Color APHA	Max 10	1
Limit of Nonvolatile Residue	Max 2.5 mg	0.3
Residue after Evaporation	Max 0.001%	0.001
Specific Gravity @ 25°C	0.783 - 0.787	0.783
Identification A - Infrared Spectroscopy	To Pass Test	Passes
Identification B	To Pass Test	Passes
Identification C - Limit of Methanol	Max 0.02%	Passes
Refractive Index @ 20°C	1.376 - 1.378	1.377
Acidity	Max 0.70 mL of 0.020N NaOH is required	0.35
Titrable Acid or Base	Max 0.0001 meq/g	0.0001
Carbonyl Compounds - Propionaldehyde	Max 0.002%	<0.002
Carbonyl Compounds - Acetone	Max 0.002%	0.000
UV Absorbance @ 210 nm	Max 1.0	0.38
UV Absorbance @ 220 nm	Max 0.40	0.18
UV Absorbance @ 230 nm	Max 0.20	0.09
UV Absorbance @ 245 nm	Max 0.08	0.02
UV Absorbance @ 260 nm	Max 0.04	0.00

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UV Absorbance @ 275 nm	Max 0.03	0.00
UV Absorbance @ 300 nm	Max 0.02	0.00
UV Absorbance @ 330 nm	Max 0.01	0.00
UV Absorbance @ 330 - 400 nm	Max 0.01	0.00
Limit of Volatile Impurities - Methanol	Max 0.02%	None detected
Limit of Volatile Impurities - Diethyl Ether	Max 0.1%	None detected
Limit of Volatile Impurities - Acetone	Max 0.1%	None detected
Limit of Volatile Impurities - Diisopropyl Ether	Max 0.1%	None detected
Limit of Volatile Impurities - n-Propyl Alcohol	Max 0.1%	<0.1
Limit of Volatile Impurities - 2-Butanol	Max 0.1%	None detected
Limit of Volatile Impurities - Individual Unspecified	Max 0.1%	<0.1
Limit of Volatile Impurities - Total	Max 1.0%	<0.1
Water	Max 0.2%	0.02

Isopropyl Alcohol 99%

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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