

### Certificate of Analysis

**Product: Isopropyl Alcohol 99.8%**  
**Item Number: IPAA99**  
**Grade: ACS**  
**Lot Number: 5000777/1.1**  
**Manufacture Date: 07/29/2024**  
**Expiration Date: 07/28/2027**  
**Country of Origin: United States**

Tested Property	Specification	Analysis
Assay	Min. 99.5%	99.93
Color (APHA)	Max. 10	6
Titrateable acid	Max. 0.001 meq/g	Pass
Titrateable base	Max. 0.001 meq/g	Pass
Water	Max. 0.2%	0.06
Residue after evaporation	Max. 0.001%	Pass
Solubility in Water	To pass test	Passes
Carbonyl compounds	Pass the test	Pass
Propionaldehyde	Max. 0.002%	Pass
Acetone	Max. 0.002%	Pass
Specific Gravity @ 25°C	0.763 - 0.792	0.783
Refractive index at 20°C	1.37550 - 1.37840	1.37790
Boiling point	1.0°C (inc. 82.3°C +/- 0.1°C)	Pass

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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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