LAB ALLEY
ESSENTIAL CHEMICALS

Certificate of Analysis

Product: Ethanol 200 Proof (100%) Undenatured Alcohol, USP/FCC Food Grade, Kosher, Halal
Item Number: EAP200
CAS#: 64-17-5
Grade: USP/FCC
Lot Number: 5002741/1.1
Manufacture Date: 06/11/2026
Expiration Date: 06/10/2029
Country of Origin: United States

Tested Property	Specification	Analysis
Proof	199.0 - 200.0	200.0
Assay by GC, Corrected for Water	NLT 99.5%	99.96%
Water	NMT 0.2 wt. %	0.05 wt. %
Specific Gravity @ 60°F (15.56°C)	0.7936 - 0.7962	0.7937
Color of Solution	To Pass the Test	Pass
Clarity of Solution	To Pass the Test	Pass
Acidity or Alkalinity	The solution is pink (30µg/g, expressed as acetic acid)	Pass
Limit of Nonvolatile Residue	NMT 2.5 mg/100 mL	0.3 mg/100 mL
Organic Impurities: Benzene	NMT 2 µL/L	0 µL/L
Organic Impurities: Acetaldehyde and Acetal	NMT 10 µL/L	0 µL/L
Organic Impurities: Methanol	NMT 200 µL/L	0 µL/L
Organic impurities: Other Impurities	NMT 300 µL/L	0 µL/L
Assay by Specific Gravity, 15.56ºC	NLT 99.5%	99.98%
Acetone/Isopropyl Alcohol	To Pass the Test	Pass
Color (APHA)	Max. 10	1
Solubility in Water	To Pass the Test	Pass
Subst. Dark. by Sulfuric Acid	To Pass the Test	Pass
Subst. Reduc. Permanganate	To Pass the Test	Pass
Titrable Acid	Max. 0.0005 meq/g	0.0003 meq/g
Titrable Base	Max. 0.0002 meq/g	0.0001 meq/g

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ID Test A (Specific Gravity)	To Pass the Test	Pass
ID Test B (Infrared Spectroscopy)	Conforms to IR Spectra	Pass
ID Test C (Limit of Methanol)	NMT 200 µL/L	Pass
UV Absorbance:	NMT 0.40 @ 240nm	0.25
	NMT 0.30 @ 250 - 260nm	0.10
	NMT 0.10 @ 270 - 340nm	0.01
	The spectrum shows a steadily descending curve with no observable peaks or shoulders.	Pass

Store in a cool, dry, and well-ventilated environment away from heat.

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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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