

Certificate of Analysis

Product: Ethanol HPLC Grade 200 Proof (100%) Non-Denatured Pure Alcohol

Item Number: EAPHPLC200

Grade: HPLC

Lot Number: 5002172/1.1

Manufacture Date: 03/25/2026

Expiration Date: 03/24/2029

Country of Origin: United States

Tested Property	Specification	Analysis
Assay by GC (Corrected for water)	Min 99.50%	99.98
Color APHA	Max 10	1
Solubility in Water	To Pass Test	Passes
Residue after Evaporation	Max 0.001%	0.000
Acetone/Isopropyl Alcohol	To Pass Test	Passes
Titration Acid	Max 0.0005 meq/g	0.0001
Titration Base	Max 0.0002 meq/g	0.0001
Methanol	Max 0.1%	Passes
Substances Darkened by Sulfuric Acid	To Pass Test	Passes
Substances Reducing Permanganate	To Pass Test	Passes
UV Absorbance (USP)	Max 0.1 @ 270-340 nm	0.01
	Max 0.40 @ 240 nm	0.26
	Max 0.30 @ 250 - 260 nm	0.09
Proof	Lot Analysis	199.9
Specific Gravity	Max 0.7962 @ 15.56°C	0.7937
Water	Max 0.2 Wt. %	0.03
Acidity or Alkalinity	The solution is pink (30µL/L, expressed as acetic acid)	Pass
Clarity of Solution	The Sample solution has the appearance of water	Pass
Color of Solution	The Sample soln. is less intensely colored than Standard soln.	Pass
Identification Test A (Specific Gravity)	Meets test requirements	Pass

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Identification Test B (Infrared Spectroscopy)	Conforms to IR Spectra	Pass
Identification Test C (Limit of Methanol)	NMT 200 µL/L (200ppm)	Pass
Limit of Nonvolatile Residue	NMT 2.5 mg	0.0
Organic Imp. - Acetaldehyde and Acetal	NMT 10µL/L, (acetaldehyde)	0
Organic Imp.- Benzene	NMT 2µL/L	0
Organic Imp.- Methanol	NMT 200µL/L	0
Organic Imp.- Sum of all other impurities	NMT 300µL/L	0
UV Absorbance	NMT 0.08 AU at 240 nm	0.06
	NMT 0.30 AU at 220 nm	0.26
	NMT 0.18 AU at 230 nm	0.13
	NMT 0.01 AU at 270 - 400nm	0.00
Assay (by specific gravity @ 15.56°C)	Min 99.50%	99.98
UV Absorbance	Spectrum shows steadily descending curve, no peaks or shoulders	Pass

CAS RN: 64-17-5

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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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