LAB ALLEY
ESSENTIAL CHEMICALS

Certificate of Analysis

Product: Ethanol 200 Proof (100%), Suitable for Molecular Biology
Item Number: EAPMB200
CAS#: 64-17-5
Grade: USP/FCC
Lot Number: 5002296/1.1
Manufacture Date: 05/13/2026
Expiration Date: 05/12/2029
Country of Origin: United States

Tested Property	Specification	Analysis
Appearance	Bright and clear, free of suspended matter	Pass
Proof	199.0 - 200.0	199.9
Ethyl Alcohol	NLT 99.5, % volume	100.0%
Water Content	NMT 1000 ppm	382 ppm
Identification Test B (IR)	Passes test	Pass
Specific Gravity @ 60°F (15.56°C)	0.7936 - 0.7962	0.7939
Odor	Characteristic ethanol	Pass
Color of Solution	Passes test (<5 APHA)	Pass
Clarity of Solution	Passes test	Pass
Acidity or Alkalinity	Passes test (NMT 30 ppm as acetic acid)	Pass
Limit of Nonvolatile Residue	NMT 2.5 mg/100 mL	<2.5 mg/100 mL
Ultraviolet Absorption	Passes test	Pass
Organic Impurities: Benzene	NMT 2 ppm	<2 ppm
Organic Impurities: Acetaldehyde and Acetal	NMT 10 ppm	<10 ppm
Organic Impurities: Methanol	NMT 200 ppm	<200 ppm
Organic impurities: Other Impurities	NMT 300 ppm	<300 ppm

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

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