

**Certificate of Analysis**

**Product: Ethanol 200 Proof (100%), Suitable for Molecular Biology**  
**Item Number: EAPMB200**  
**CAS#: 64-17-5**  
**Grade: USP/FCC**  
**Lot Number: 5002214/1.2**  
**Manufacture Date: 03/30/2026**  
**Expiration Date: 03/29/2029**  
**Country of Origin: United States**

Tested Property	Specification	Analysis
Specific Gravity @ 60°F (15.56°C)	0.7936 - 0.7962	0.7936
Proof	199.0 - 200.0	200.0
Ethyl Alcohol	NLT 99.5, % volume	100.0
Water Content	NMT 1000 ppm	249
Identification Test B (IR)	Passes test	Pass
Appearance	Bright and clear, free of suspended matter	Pass
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/100mL	<2.5
Ultraviolet Absorption	Passes test	Pass
Organic Impurities: Benzene	NMT 2 ppm	<2
Organic Impurities: Acetaldehyde and Acetal	NMT 10 ppm	<10
Organic Impurities: Methanol	NMT 200 ppm	<200
Organic impurities: Other Impurities	NMT 300 ppm	<300

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

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