LAB ALLEY
ESSENTIAL CHEMICALS

Certificate of Analysis

Product: Ethanol 190 Proof (95%) Non-Denatured Alcohol, USP/FCC Food Grade, Kosher, Halal
Item Number: EAP190TXPD
CAS#: 64-17-5, 7732-18-5
Grade: USP/FCC
Lot Number: 5002704/2.1
Manufacture Date: 10/30/2026
Expiration Date: 10/29/2029
Country of Origin: United States

Tested Property	Specification	Analysis
Specific Gravity @ 60°F (15.5°C)	0.812 - 0.816	0.815
Ethyl Alcohol, % Vol	94.9 - 96.0%	95.1%
Identification Test B (IR)	Passes test	Pass
Acidity or Alkalinity	Passes test (<30 ppm as acetic acid)	<30 ppm
Nonvolatile Residue	NMT 2.5 mg/100mL	<2.5 mg/100mL
Organic Impurities: Other	NMT 300 ppm	<300 ppm
Organic Impurities: Methanol	NMT 200 ppm	<200 ppm
Ethyl Alcohol	92.3 - 93.8 wt.%	92.6 wt.%
Odor	Characteristic of Ethanol	Pass
Color of Solution	To Pass the Test	Pass
Clarity of Solution	To Pass the Test	Pass
Ultraviolet Absorption	To Pass the Test	Pass
Organic Impurities: Benzene	NMT 2 ppm	<2 ppm
Organic Impurities: Acetaldehyde and Acetal	NMT 10 ppm	<10 ppm
Appearance	Bright and clear, free of suspended matter	Pass
Proof	189.8 - 192.0	190.2

Store in cool, dry, well-ventilated environment.

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