

Certificate of Analysis

Product: Organic Ethyl Alcohol, Sugar Cane, 190 Proof Kosher, Halal, FCC
Item Number: EAOS190
CAS#: 64-17-5
Grade: FCC
Lot Number: 5002538/1.1
Manufacture Date: 08/25/2026
Expiration Date: 08/24/2028
Country of Origin: United States

Tested Property	Specification	Analysis
Solubility in Water	No haze or turbidity develops	Pass
Assay, by Specific Gravity @ 25°C	NLT 94.9%	95.01%
Specific Gravity @ 15.56°C	NMT 0.8161	0.8157
Specific Gravity @ 25.0°C	NMT 0.8096	0.8092
Proof	As reported	190.0
Acidity (as Acetic Acid)	NMT 0.5mL of 0.02N NaOH to restore pink color	Pass
Alkalinity (as NH ₃)	NMT 0.2mL of 0.02N Sulfuric Acid to restore red color	Pass
Org. Imp. - Fusel Oil	No foreign odor when last traces of alcohol leaves paper	Pass
Id by Infrared Absorption	Conforms to IR Spectra	Pass
Org. Imp. - Ketones, Isopropyl Alcohol	No precipitate within 3 min.	Pass
Inorg. Imp. - Lead	NMT 0.5 mg/kg	<0.5 mg/kg
Org. Imp. - Methanol	Max 200 ppm	0 ppm
Nonvolatile Residue	NMT 0.003%	0.000%
Org. Imp. - Any Other Single Impurity	Max 1000 ppm	9 ppm
Org. Imp. - Subst. Dark. by Sulf. Acid	Mixture is colorless or has no more color than the sample or acid before mixing	Pass
Org. Imp. - Sum of All Imp.	Max 5000 ppm	9 ppm
Org. Imp. - Subst. Red. Permang.	Pink color does not entirely disappear	Pass

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

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