LAB ALLEY
ESSENTIAL CHEMICALS

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: 5002388/2.1
Manufacture Date: 06/24/2026
Expiration Date: 06/23/2028
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 NH3)	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	4 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	0 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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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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