

Certificate of Analysis

Product: Organic Ethyl Alcohol, Sugar Cane, 190 Proof, Kosher, Halal

Item Number: EAOS190

Grade: FCC

Lot Number: 5001203/1.1

Manufacture Date: 02/25/2025

Expiration Date: 02/24/2028

Country of Origin: United States

Tested Property	Specification	Analysis
Alcohol content 20°C, (%V)	94.00 - 95.20	95.02
Proof	189.6 - 190.04	190.04
Specific gravity 20°C, g/cm ³	0.8124 - 0.8129	0.8127
Density, lbs/gal	6.77 - 6.78	6.77
Fusel oil odor	No foreign residue or odor	No odor
Water solubility	Completely miscible	Pass
Opacity	Clear and sparkling	Clear
Acidity as acetic acid	Max 0.003%	0.000
Nonvolatile residue	Max 0.003%	0.00
Acetadehyde	Max. 10.0 ppm	0
Methanol	Max 50 ppm	0
Benzene	Max 2 ppm	0
Fusel Oil	Max 300 ppm	0
Acetone, other ketone, IPA, t-butyl alcohol	No ppt after 3 min	Pass
Aldehydes & other foreign- org. subs. reducing permanganate	Pink color present after 5 min	Passed @24.0 min
Amyl alcohol & nonvolatile- carbonizable substances	No red or brown color produced	None produced
Ultravoilet absorption	Curve@240,250,260,270 & 340nm	Passed

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