



Certificate of Analysis

Certified Organic CANE Alcohol

Date of Manufacture: 06/06/2025
 Recommended Retest Date: 6/06/2028
 Meets USP & FCC Grade Monographs
 ETHYL 190 Proof - Alcohol Content 95%

Lot ID: I3N-CA25G18

Sample ID	Test Sample	Product	Batch No.
ENAOUSP20250609-01	Organic Ethanol USP – IPSA, Formula No. C ₂ H ₅ OH	Organic Cane Alcohol	I3N-CA25G18
Test	BTS Method No.	Specification	Result
Assay	USP 42 Alcohol Monograph	92.3–93.8 % (w/w) or 94.9–96.0 % (v/v)	95.06% (v/v) - 190.12° <Proof>
Specific Gravity @15.56°C	USP 42 <841>	0.812–0.816	0.8150
UV Absorbtion	USP 42 Alcohol Monograph	NMT 0.40 at 240 nm;	0.1650 <Pass>
	USP 42 Alcohol Monograph	NMT 0.30 between 250 nm and 260 nm;	0.0650 <Pass>
	USP 42 Alcohol Monograph	NMT 0.10 between 270 nm and 340 nm	0.0100 <Pass>
Nonvolatile Residue	USP 42 Alcohol Monograph	NMT 2.5 mg	0.6 mg <Pass>
Color of Solution	USP 42 Alcohol Monograph	The <i>sample solution</i> has the appearance of water or is not more intensely colored than the <i>standard solution</i>	Pass
Acidity (as acetic acid)	ABNT/NBR 9866	NMT 10 mg/l	2.9
Aldehydes (as acetaldehyde)	NTC 4118	NMT 2 mg/l	0.5
Esters (as ethyl acetate)	NTC 4118	NMT 2 mg/l	0.0
Methanol	NTC 4118	NMT 5 mg/l	0.6
Furfural	NTC 4118	Absent	0.0
Higher alcohols	NTC 4118	NMT 5 mg/l	1.8
Total congeners (including acidity not including methanol)	NTC 4118	NMT 19 mg/l	5.2

This product is certified Organic by CCOF (California Certified Organic Farmers). This product is certified compliant with USDA NOP, US/Canada Equivalency and ACB/EU Equivalency, This product is non-GMO Project Verified and Kosher certified. This product is Gluten Free.

This lot of Ethyl Alcohol 95% complies with all of the current requirements listed in the United States Pharmacopeia, and Food Chemical Codex monographs.

Recommended retest period excludes UV Absorbance for pure Ethyl Alcohol unless packaged in glass or UV protected drums.

No chemicals whatsoever are used as solvents at any point in the manufacture, processing or packaging of ethyl alcohol. Only Class 2 and Class 3 residual solvents may appear as impurities / related substances / low level contaminants in Ethanol. Concentration of Class 2 Option 1 and Class 3 residual solvents is below limits in the current USP/NF General Chapter <467>.

This product is not derived, nor does it come in contact with, any materials derived from bovine or other animal sources.

This product is for further commercial manufacturing, laboratory or research use, and may be used as an excipient or a process solvent for pharmaceutical purposes. It is not intended for use as an active ingredient in drug manufacturing nor as a medical device or disinfectant. Appropriate/legal use of this product is the responsibility of the user.

