

Product Specification Sheet

ETHYL ALCOHOL 95%, Cane Neutral Spirits
Meets FCC GRADE Monograph

Main Catalog #: 11100019C-Size Code*

Available in the following sizes:

*Refer to Master Price List – Individual package sizes have unique size codes

TEST	MONO GRAPH	SPECIFICATION	TYPICAL RESULTS
Assay (by specific gravity @ 25°C	FCC	NLT 94.9%	95.02%
Proof	27CFR 30.23	Lot Analysis	190.0
Specific Gravity	FCC	Not more than 0.8096 @ 25.0°C	0.8091
Specific Gravity	FCC	Not more than 0.8161 @ 15.56°C	0.8157
Inorganic Impurities - Lead	FCC	NMT 0.5 mg/kg	< 0.5 mg/kg
Identification (Infrared Spectra)	FCC	Conforms to IR Spectra	Pass
Organic Impurities – Fusel Oil	FCC	No foreign odor is perceptible when the last traces of alcohol leave the paper.	Pass
Organic Impurities – Ketones, Isopropyl Alcohol	FCC	No precipitate forms within 3 min.	Pass
Organic Impurities – Methanol and Other Volatile Impurities	FCC	Methanol 200 ppm max. Any other single impurity 1000 ppm max. Sum of all impurities 5000 ppm max.	<5 ppm <1 ppm <20 ppm
Organic Impurities – Substances Darkened by Sulfuric Acid	FCC	The mixture is colorless or has no more color than either the acid or the sample before mixing.	Pass
Organic Impurities – Substances Reducing Permanganate	FCC	The pink color does not entirely disappear.	Pass
Acidity (as Acetic Acid)	FCC	NMT 0.5 mL of 0.02 N sodium hydroxide is required to restore the pink color. (NMT 0.003%)	Pass
Alkalinity (as NH ₃)	FCC	NMT 0.2 mL of 0.02 N sulfuric acid is required to restore the red color. (NMT 3 mg/kg)	Pass
Nonvolatile Residue	FCC	NMT 0.003%	0.001%
Solubility in Water	FCC	No haze or turbidity develops	Pass

Form: Ethanol, Pure, 190, FCC, Cane, Rev. 1.1, 10/20, SJH

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.