



Product Specification Sheet
Ethyl Alcohol, 95% (V/V)
Grain Derived Ethanol
Meets FCC GRADE Monographs

Recommended Retest Date: Three Years from Date of Manufacture
 Product Code # 111FCC190

Available in the following sizes:

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

We hereby certify that each Lot conforms to or exceeds the following FCC specifications:

TEST	SPECIFICATION	TYPICAL RESULTS
Assay	NLT 94.9%	95.01%
Specific Gravity @ 25C	NMT 0.8096	0.8092
Specific Gravity @ 15.56C	NMT 0.8161	0.8158
Appearance	Clear, colorless, mobile liquid	Pass
Identification (Infrared Spectra)	Conform to IR Spectra (Neat)	Pass
Odor	Typical neutral grain spirit	Pass
Acidity (as acetic acid, wt %)	< 0.003%	<0.001%
Alkalinity (as NH3)	< 3 mg/Kg	<1 mg/Kg
Organic Impurities - Fusel Oil	To pass test	Pass
Organic Impurities – Ketones, Isopropanol	To pass test	Pass
Inorganic Impurities - Lead	NMT 0.5mg/Kg	<0.05mg/Kg
Organic Impurities – Methanol and Other Volatile Impurities	Methanol 200 ppm max. Any other single impurity 1000 ppm max. Sum of all impurities 5000 ppm max.	<5 ppm <1 ppm <20 ppm
Non-volatile Residue	<0.003%	<0.001%
Solubility in Water	To pass test	Pass
Organic Impurities – Substances Darkened by Sulfuric Acid	To pass test	Pass
Organic Impurities – Substances Reducing Permanganate	To pass test	Pass
Flash Point, Tag Closed Cup	60F, 16C	Conforms
Refractive Index @ 20 C	1.362-1.366	1.364

Form: Ethanol, 190,FCC, #901, Rev. 3.0, 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.