LAB ALLEY
ESSENTIAL CHEMICALS

PRODUCT SPECIFICATION SHEET

ETHYL ALCOHOL 95%

Certified Organic Sugar Cane Alcohol

Test	Specification	Typical Results
Assay (by specific gravity @ 25°C)	NLT 94.9%	95.02%
Proof	189.95 - 190.04	190.0
Specific Gravity @ 25.0°C	Not more than 0.8096	0.8091
Specific Gravity @ 15.56°C	Not more than 0.8161	0.8157
Identification (Infrared Spectra)	Conforms to IR Spectra	Pass
Inorganic Impurities - Lead	NMT 0.5 mg/kg	< 0.5 mg/kg
Organic Impurities – Fusel Oil	No foreign odor is perceptible when the last traces of alcohol leave the paper.	Pass
Organic Impurities – Ketones, Isopropyl Alcohol	No precipitate forms within 3 min.	Pass
Methanol	200 ppm max.	<5 ppm
Any other single impurity	1000 ppm max.	<1 ppm
Sum of all impurities	5000 ppm max.	<20 ppm
Substances Darkened by Sulfuric Acid	The mixture is colorless or has no more color than either the acid or the sample before mixing.	Pass
Substances Reducing Permanganate	The pink color does not entirely disappear.	Pass
Acidity (as Acetic Acid)	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)	NMT 0.2 mL of 0.02 N sulfuric acid is required to restore the red color. (NMT 3 mg/kg)	Pass
Nonvolatile Residue	NMT 0.003%	0.001%
Solubility in Water	No haze or turbidity develops	Pass

Appropriate/legal use of this product is the responsibility of the user

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