

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