

**Ethyl Alcohol 100% (200 Proof)
Derived from Organic Corn**

Grade: FCC

Catalog number: 111ORCORN2000

| Test | Mono-graph | Specification | Typical Result |
|---|----------------|---|----------------|
| Identification by Infrared Absorption | FCC | Conforms to IR Spectra | Pass |
| Assay (by specific gravity@25°C) | FCC | NLT 94.9% | 99.97 % |
| Proof | 27CFR 30.23 | Lot Analysis | 199.9 |
| Specific Gravity | FCC | Not more than 0.8161 @ 15.56°C | 0.7937 |
| Specific Gravity | FCC | Not more than 0.8096 @ 25.0°C | 0.7872 |
| Inorganic Impurities - Lead | FCC | NMT 0.5 mg/kg | LT 0.5 mg/kg |
| 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 | FCC | 200 ppm max. | 0 ppm |
| Organic Impurities - Any other single impurity | FCC | 1000 ppm max. | 4 ppm |
| Organic Impurities - Sum of all impurities | FCC | 5000 ppm max. | 0 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 |

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|--------------------------|------------|--|----------------|
| Acidity (as acetic acid) | FCC | NMT 0.5 mL of 0.02N sodium hydroxide is required to restore the pink color. (NMT 0.003%) | Pass |
| Alkalinity (as NH3) | FCC | NMT 0.2 mL of 0.02N sulfuric acid is required to restore the red color. (NMT 3 mg/kg) | Pass |
| Nonvolatile Residue | FCC | NMT 0.003% | 0.000 % |
| Solubility in Water | FCC | No haze or turbidity develops | Pass |

Certification and Compliance Statements

This product complies with all of the current requirements listed in the Food Chemical Codex monograph.

This product is certified Organic by Oregon Tilth.

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

Greenfield products are for further commercial manufacturing, laboratory use, or research. Greenfield is not registered with the United States Food and Drug Administration (FDA) as a drug manufacturing facility. Greenfield products are not registered with the FDA as active pharmaceutical ingredients in drug manufacturing.

Appropriate/legal use of all products are the responsibility of the user and subject to applicable local laws and regulations.