

### Certificate of Analysis

**Product: Ethanol 200 Proof (100%) Undenatured Alcohol, USP/FCC Food Grade, Kosher, Halal, 55 G**  
**Item Number: EAP200TXPD**  
**CAS#: 64-17-5**  
**Grade: USP/FCC**  
**Lot Number: 5002576/2.1**  
**Manufacture Date: 08/13/2026**  
**Expiration Date: 08/12/2029**  
**Country of Origin: United States**

| Tested Property                          | Specification                            | Analysis     |
|------------------------------------------|------------------------------------------|--------------|
| Proof                                    | 199.0 - 200.0                            | 200.0        |
| Assay (by Specific Gravity @ 15.56°C)    | NLT 99.5                                 | 99.99%       |
| Water                                    | NMT 0.2%                                 | 0.04%        |
| Specific Gravity @ 60 °F                 | NMT 0.7962 @ 15.56°C                     | 0.7937       |
| Acidity or Alkalinity                    | Solution is pink; 30 µg/g as acetic acid | Pass         |
| Limit of Nonvolatile Residue             | NMT 2.5 mg                               | 0.0 mg       |
| Org. Impurities: Benzene                 | NMT 2 µL/L                               | 0 µL/L       |
| Org. Impurities: Acetaldehyde and Acetal | NMT 10 µL/L, as acetaldehyde             | 0 µL/L       |
| Org. Impurities: Methanol                | NMT 200 µL/L                             | 2 µL/L       |
| Org. Impurities: Sum of All Impurities   | NMT 300 µL/L                             | 1 µL/L       |
| Assay (by GC, corrected for water)       | NLT 99.5%                                | 99.96%       |
| Acetone/Isopropyl Alcohol                | To Pass the Test                         | Pass         |
| Color (APHA)                             | NMT 10                                   | 1            |
| Methanol                                 | NMT 0.1%                                 | Pass         |
| Residue after Evaporation                | NMT 0.001%                               | 0.000%       |
| Solubility                               | To Pass the Test                         | Pass         |
| Substances Darkened by Sulfuric Acid     | To Pass the Test                         | Pass         |
| Substances Reducing Permanganate         | To Pass the Test                         | Pass         |
| Titration Acid                           | NMT 0.0005 meq/g                         | 0.0001 meq/g |
| Titration Base                           | 0.0002 meq/g                             | 0.0001 meq/g |

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|                                          |                                                                 |      |
|------------------------------------------|-----------------------------------------------------------------|------|
| Clarity of Solution                      | Solutions A and B show same clarity as water                    | Pass |
| Color of Solution                        | Solution has appearance of water                                | Pass |
| Identification A (Specific Gravity)      | Meets requirements for Specific Gravity Test                    | Pass |
| Identification B (Infrared Spectroscopy) | Conforms to IR Spectra                                          | Pass |
| Identification C (Limit of Methanol)     | NMT 200 µL/L (200 ppm) of Methanol                              | Pass |
| UV Absorbance:                           |                                                                 |      |
| @ 240 nm                                 | NMT 0.40                                                        | 0.25 |
| @ 250 - 260 nm                           | NMT 0.30                                                        | 0.10 |
| @ 270 - 340 nm                           | NMT 0.10                                                        | 0.01 |
| UV Spectrum                              | Spectrum shows steadily descending curve; no peaks or shoulders | Pass |

Store in dry, cool, well-ventilated environment.

[Ethanol 200 Proof \(100%\) Undenatured Alcohol, USP/FCC Food Grade, Kosher, Halal, 55 Gallon Drum](#)

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

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