

Certificate of Analysis

Product: Ethyl Acetate
Item Number: ETACHPLC
Grade: HPLC
Lot Number: 5000797/1.2
Manufacture Date: 03/04/2024
Expiration Date: 03/03/2029
Country of Origin: United States

| Tested Property | Specification | Analysis |
|--|---------------------------------------|---------------|
| Assay (corrected for water) | Min 99.5% | 99.97% |
| Assay, NF | 98.0-102.0% | 100.00% |
| Color (APHA) | Max 10 | 1 |
| Residue After Evaporation | Max 0.003% | 0.000 |
| Substances Darkened by Sulfuric Acid | Passes Test | Pass |
| Titration Acid | Max 0.0009 meq/g | 0.0006 |
| Water | Max 0.2% | 0.03 |
| UV Absorbance | | |
| @ 255nm | Max 1.00 | 0.47 |
| @ 257nm | Max 0.50 | 0.24 |
| @ 263nm | Max 0.10 | 0.03 |
| @ 275nm | Max 0.05 | 0.01 |
| @ 330-400nm | Max 0.01 | 0.00 |
| Acidity | NMT 0.10 mL of 0.10N NaOH is required | 0.04 mL |
| Identification A | Infrared Spectroscopy | Pass |
| Limit of nonvolatile residue | NMT 0.02% | 0.00 |
| Chromatographic Purity - Acetaldehyde | NMT 0.1% | None Detected |
| Chromatographic Purity -1-Ethoxy-2-methylpropane | NMT 0.1% | None Detected |
| Chromatographic Purity - Methyl compounds | NMT 0.1% | None Detected |
| Chromatographic Purity - Other impurities | NMT 0.3% | None Detected |

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| | | |
|----------------------------|--------------------------------------|-------|
| Readily Carbonizable Subs. | No dark zone develops within 15 min. | Pass |
| Specific gravity 25°C | 0.894-0.898 | 0.897 |

[Ethyl Acetate](#)

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