

### Certificate of Analysis

**Product: Ethyl Acetate**  
**Item Number: ETACA**  
**Grade: ACS/USP/NF**  
**Lot Number: 220311-B018638**  
**Manufacture Date: 02/03/2022**  
**Expiration Date: 02/02/2027**  
**Country of Origin: United States**

Tested Property	Specification	Analysis
Assay (corrected for water)	Min 99.5%	99.99%
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	0.0004
Water	Max 0.2%	0.01
Acidity	NMT 0.10 mL of 0.10N NaOH is required	0.05 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
Readily Carbonizable Subs.	No dark zone develops within 15 min.	Pass
Specific gravity 25°C	0.894-0.898	0.897

#### Ethyl Acetate

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

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