

**CERTIFICATE OF ANALYSIS**

**Product Name** ETHYL ACETATE  
**Grade** Meets ACS/USP/NF GRADE Monographs  
**Catalog #** 330000000  
**Lot #** C21B25008  
**Date of Manufacture:** 02/25/21  
**Recommended Retest Date:** Five Years from Date of Manufacture

TEST	MONO GRAPH	SPECIFICATION	RESULT
Assay (corrected for water)	ACS	99.5%, min	100.00%
Assay	NF	98.0 - 102.0%	100.00%
Identification A	NF	Infrared Absorption <197F>	Pass
Specific Gravity @ 25°C	NF	0.894-0.898	0.897
Acidity	NF <sup>+</sup>	NMT 0.10mL of 0.10N NaOH for neutralization	0.05 mL
Readily Carbonizable Substances	NF <sup>+</sup>	No dark zone develops within 15 minutes	Pass
Substances Darkened by Sulfuric Acid	ACS <sup>+</sup>	Passes Test	Pass
Chromatographic Purity	NF	Acetaldehyde NMT 0.1%	None Detected
		Ethyl isobutyl ether NMT 0.1%	None Detected
		Methyl compounds NMT 0.1%	None Detected
		Other impurities NMT 0.3%	None Detected
Color (APHA)	ACS	10 max	1
Residue After Evaporation	ACS <sup>+</sup>	0.003% max.	0.000%
Limit of nonvolatile residue	NF <sup>+</sup>	NMT 0.02%	0.00%
Water	ACS	0.2% max.	<0.01%
Titration Acid, max	ACS	0.0009 meq/g max	0.0003 meq/g

<sup>+</sup> This test is performed quarterly