

Ethyl Acetate

Grade: General Use HPLC-UV Grade

Catalog number: 33000HPLC

Test	Mono-graph	Specification	Typical Result
Assay (corrected for water)	ACS	99.5%, min	99.99%
Assay	NF	98.0-102.0%	99.96%
Identification A	NF	Infrared Spectroscopy	Pass
Specific Gravity @ 25°C	NF	0.894-0.898	0.8970
Acidity	NF	NMT 0.10 mL of 0.10N NaOH is required	0.05 mL
Substances Darkened by Sulfuric Acid	ACS	Passes Test	Pass
Readily Carbonizable Substances	NF	No dark zone develops within 15 minutes	Pass
Chromatographic Purity – Acetaldehyde	NF	NMT 0.1%	None Detected
Chromatographic Purity - 1-Ethoxy-2-methylpropane	NF	NMT 0.1%	None Detected
Chromatographic Purity - Methyl compounds	NF	NMT 0.1%	None Detected
Chromatographic Purity - Other impurities	NF	NMT 0.3%	None Detected
Color (APHA)	ACS	10 max.	1
Residue After Evaporation	ACS	0.003% max.	0.000%
Limit of nonvolatile residue	NF	NMT 0.02%	0.00%
Water	ACS	0.2% max.	0.01%
Titration Acid	ACS	0.0009 meq/g max	0.0003 meq/g
UV Absorbance @ 255nm	ACS	1.00 max.	0.51

Test	Mono-graph	Specification	Typical Result
UV Absorbance @ 257nm	ACS	0.50 max.	0.26
UV Absorbance @ 263nm	ACS	0.10 max.	0.03
UV Absorbance @ 275nm	ACS	0.05 max.	0.00
UV Absorbance @ 330-400nm	ACS	0.01 max.	0.00

Certification and Compliance Statements

This product complies with all of the current requirements listed in the United States Pharmacopeia, National Formulary, American Chemical Society monographs.

This product is manufactured for Routine HPLC Analysis and meets the requirements for General Use HPLC Grade, ACS Specifications. This product is not intended for GC or critical HPLC analysis. See Glass Purified, Glass Distilled Grade for those applications

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

No chemicals whatsoever are used as solvents at any point in the manufacture, processing or packaging of Ethyl Acetate. Only Class 2 and Class 3 residual solvents may appear as impurities / related substances / low level contaminants in Ethyl Acetate. Concentration of Class 2 Option 1 and Class 3 residual solvents is below limits in the current USP/NF General Chapter <467>.

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