CERTIFICATE OF ANALYSIS

Product Name ETHYL ACETATE, HPLC-UV
Grade Meets GENERAL USE HPLC-UV GRADE Monographs
Catalog # 33000HPLC
Lot # C21C31008
Date of Manufacture: 03/31/21
Recommended Retest Date: Five Years from Date of Manufacture

TEST	MONO GRAPH	SPECIFICATION		RESULT
Assay (corrected for water)	ACS	99.5%, min		99.99%
Assay	NF	98.0-102.0%		100.00%
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
Identification	NF	Infrared Absorption <197F>		Pass
Specific Gravity @ 25°C	NF	0.894-0.898		0.897
Acidity	NF+	NMT 0.10mL of 0.10N NaOH for neutralization		0.05 mL
Titrable Acid	ACS	NMT 0.0009 meq/g		0.0003 meq/g
Readily Carbonizable Substances	NF+	No dark zone develops within 15 minutes		Pass
Substances Darkened by Sulfuric Acid	ACS+	Passes Test		Pass
Limit of Methyl Compounds	NF+	No violet color appears		Pass
Limit of nonvolatile residue	NF+	NMT 0.02%		0.00%
Residue After Evaporation	ACS+	0.003% max.		0.000%
Water	ACS	0.2% max.		0.01%
UV Absorbance	ACS/HPLC	255 nm	1.00 max.	0.51
		257 nm	0.50 max.	0.25
		263 nm	0.10 max.	0.03
		275 nm	0.05 max.	0.00
		330-400 nm	0.01 max.	0.00

+ This test is performed quarterly

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Certification and Compliance Statements

This lot of Ethyl Acetate 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 Distilled Grade for those applications
No chemicals whatsoever are used as solvents at any point in the manufacture, processing or packaging ofEthyl Acetate. Only Class 2 and Class 3 residual solvents may appear as impurities / related substances / low level contaminants in Ethy Acetate. Concentration of Class 2 Option 1 and Class 3 residual solvents is below limits in the current USP/NF General Chapter <467>
This product is not derived, nor does it come in contact with, any materials derived from bovine or other animal sources.
This product is for further commercial manufacturing, laboratory or research use, and may be used as an excipient or a process solvent for pharmaceutical purposes. It is not intended for use as an active ingredient in drug manufacturing nor as a medical device or disinfectant. Appropriate/legal use of this product is the responsibility of the user.

Approved by: G.Scoca, Quality Control Chemist

Date of Approval: 03/31/21

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