

**CERTIFICATE OF ANALYSIS
ACETONE**

Meets GENERAL USE HPLC-UV Grade Monographs

Lot # C17H16005

QC # WO141472

Date of Manufacture: 08/16/17

Recommended Retest Date: Five Years from Date of Manufacture

Main Catalog #: 32900HPLC

Container Sizes: 4x1 Gallon, 4x4 Liter

TEST	Monograph	SPECIFICATION	Results
Assay, min (anhydrous basis)	NF	99.0%	99.97%
Assay, min (corrected for water)	ACS	99.5%	99.70%
Appearance	ACS	Clear Liquid with Characteristic Odor	Pass
Identification Test A (IR)	NF	Conforms to Infrared Spectra	Pass
Identification Test B (GC)	NF	Conforms to Reference Chromatogram	Pass
Specific Gravity @25°C, max	NF	0.7890	0.7873
Color (APHA), max	ACS	10	1
Residue After Evaporation, max	ACS	10 ppm	0 ppm
Non-Volatile Residue, max	NF	0.004%	0.000%
Readily Oxidizable Substances	NF		
Substances Reducing KMNO ₄	ACS	Color doesn't completely disappear in 15 min.	Pass
Solubility in Water	ACS	Solution remains clear for 30 min.	Pass
Titration Acid, max	ACS	0.0003 meq/g	0.0001 meq/g
Titration Base, max	ACS	0.0006 meq/g	0.0001 meq/g
Aldehyde (as HCHO), max	ACS	0.002%	<0.002%
IPA, max	ACS	0.05%	None Detected
Methanol, max	ACS	0.05%	0.03%
	ACS	0.5%	
Water, max	NF	0.5%	0.27%
Apparent Density @ 25C, Max.	ACS/HPLC	0.7857 g/mL	0.7850 g/mL
UV Absorbance @		U.A.	
400nm		0.01	0.00
350nm	ACS/HPLC	0.02	0.00
340nm		0.10	0.05
330nm		1.00	0.68
Liquid Chromatography	ACS/HPLC	To Pass Test	Pass
Absorbance	ACS/HPLC	To Pass Test	Pass

Form Acetone ACS-USP/NF, #101, Rev. 3.1, 06/16, KAD

Approved by: R. Robertson, Quality Control Chemist

Disclaimer: For Industrial/Lab use only. Not intended as a Drug Substance, Medical Device or Disinfectant. Appropriate/legal use of this product is the responsibility of the user. (Rev. # disclaimer only, rev 3.6, 07/15, PD)

Gradient Elution	ACS/HPLC	To Pass Test	Pass
Gradient Analysis at 254nm, Max	ACS/HPLC	To Pass Test	Pass

Filtered to 0.22 microns

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 meets all other applicable ACS/USP-NF specifications.

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