PRODUCT SPECIFICATION SHEET

ACETONE

GENERAL USE, MEETS HPLC-UV GRADE MONOGRAPHS

Main Catalog Number: 32900HPLC

Available in the following sizes:

4x1 gallon Fluorinated Poly Bottle, 4x4 liter Amber Glass

Test	Monograph	Specification	Typical Lot Analysis
Assay, min (corrected for water)	ACS	99.5%	99.9%
Assay, min (anhydrous basis)	NF	99.0%	99.7%
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	0.787
Color (APHA), max	ACS	10	<10
Residue After Evaporation, max	ACS	10 ppm	<10 ppm
Non-Volatile Residue, max	NF	0.004%	<0.001%
Readily Oxidizable Substances Substances Reducing $KMnO_4$	NF ACS	 Color doesn't completely disappear in 15 min.	Pass Pass
Solubility In Water	ACS	Solution remains clear for 30 min.	Pass
Titrable Acid, max	ACS	0.0003 meq/g	0.0002 meq/g
Titrable 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%	<0.001%
Methanol, max	ACS	0.05%	<0.05%
Water, max	ACS NF	0.5% 0.5%	0.2% 0.2%
Apparent Density @ 25 C, Max.	ACS/HPLC	0.7857 g/mL	0. 7849g/mL
UV Absorbance @ 400nm 350nm 340nm 330nm	ACS/HPLC	U.A. 0.01 0.02 0.10 1.00	U.A. 0.000 0.000 0.040 0.650
Liquid Chromatography	ACS/HPLC	To Pass Test	Pass
Absorbance	ACS/HPLC	To Pass Test	Pass
Gradient Elution	ACS/HPLC	To Pass Test	Pass
Gradient Analysis at 254nm, Max.	ACS/HPLC	To Pass Test	Pass

Filtered to 0.2 microns

Form Acetone HPLC-UV #301, Rev.2.9, 06/16, KAD

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.