



**ChemPure* Brand
Chemicals**

August 14, 2019

...Pure Quality

Certificate of Analysis Acetone

Reagent Meets ACS, USP, NF Specifications

Catalog No: CPA9702
Lot No: 19H1424P
CAS number: 67-64-1

Retest Date: August 13, 2024
Chemical formula: (CH₃)₂CO
Molecular weight: 58.08

Tests	Units	Specifications	Results
Assay (GC) corrected for water	%	99.5 Min	99.67
Methanol	%	0.05 Max	0.03
Color (APHA)		10 Max	1
Water ACS/NF	%	0.5 Max	0.3
Residue after Evaporation	ppm	1 Max	0.0
Nonvolatile Residue NF		<2 mg/50ml (0.004%)	0.0mg/50ml
Specific Gravity @ 25°C NF		NMT 0.789	0.787
Assay (anhydrous basis) NF	%	99.0 Min	99.97
Identification A - Infrared Abs. NF		Conforms with IR	Pass
Identification B - GC NF		Conforms with Ref. Chr.	Pass
Titration Acid	meq/g	0.0003 Max	0.0002
Titration Base	meq/g	0.0006 Max	0.0001
Solubility in H ₂ O		To Pass Test	Passes test
Substance Reducing KMnO ₄		To Pass Test	Passes Test
Appearance		Clear, colorless liquid	Clear, colorless liquid
Aldehyde (as HCHO)		0.002% Max	<0.002%
IPA		0.05% Max	None Detected
Readily Oxidizable Substances		To Pass Test	Pass
Manufactured Date: Aug. 14, 2019			

Quality Control Approval
V. Mekesa, QC Director

This lot of acetone complies with all of the current requirements listed in the United States Pharmacopoeia, The National Formulary and American Chemical Society monograph. No chemicals whatsoever are used as solvents at any point in the manufacture, processing or packing of ethyl alcohol. Only Class 2 & Class 3 residual solvents may appear as impurities/related substances/ low level contaminants in ethanol. Concentration of Class 2 & Class 3 residual solvents below limits in the current USP/NF General Chapter <467> Option 1 and ICH Q3C Impurities: Residual Solvents.
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. G-P 08/14/2019 Statement.