



**ChemPure* Brand
Chemicals**

July 12, 2019

...Pure Quality

Certificate of Analysis

Isopropyl Alcohol

ACS Reagent Grade, Meets USP, NF,
Laboratory Reagent

CAT.No: CP-C9094P
CAS No: 67-63-0
Lot No: K19D18026
Retest Date: March 25, 2024
Storage: Room Temp

Molecular Formula: $(CH_3)_2CHOH$
Formula Weight: 60.10 g/mol
MDL: MFCD00011674
EC No: 200-661-7
Density: 0.7864@20°C
Boiling Pt: 82.31-/+0.01°C

TEST	MONOGRAPH	SPECIFICATIONS	RESULTS
Appearance	ACS*	Clear, Colorless	Conforms
Assay (Corrected for water)	USP	> 99.0%	99.9%
Assay (Corrected for water)	ACS	> 99.5%	99.9%
Color (APHA)	ACS	10 max	5
Water (H ₂ O) Wt. %	ACS	0.2 % max	0.03%
Water Determination	USP	0.5%	0.03%
Evaporation Residue	ACS*	0.001%	0.000%
Limit of Nonvolatile Residue	USP	< 2.5 mg (0.005%)	0.0 mg
Solubility in Water	ACS*	T.P.T.	Pass
Titrateable Acid & Base	ACS*	0.0001 meq/g max	0.0001
Carbonyl Compounds: Acetone	ACS	0.002% max	None Detected
Carbonyl Compounds: Propionaldehyde	ACS	0.002% max	<0.002%
Specific Gravity	USP	0.783 - 0.787 @ 25°C	0.783
Identification A - Infrared Absorption	USP	T.P.T.	Pass
Identification B	USP	T.P.T.	Pass
Refractive Index @ 20°C	USP	1.376 - 1.378	1.377
Acidity	USP*	0.70 ml of NaOH max	0.40 ml
Volatile Impurities:	USP	Diethyl Ether 0.1% max	<0.1%
	USP	Acetone 0.1% max	None Detected
	USP	Diisopropyl Ether 0.1% max	<0.1%
	USP	n-propyl Alcohol 0.1% max	<0.1%
	USP	2-Butanol 0.1% max	<0.1%
	USP	Total 1.0% max	<0.1%

* = Quarterly tests performed by manufacturer

Approved: V. Mekesa, QA Director

Disclaimer: To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication. However, nothing herein shall constitute any express or implied warranty of merchantability or fitness for a particular purpose. It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. For research purposes only. Not for drug or clinical use in humans or human food additive use.