



**ChemPure\* Brand  
Chemicals**

February 21, 2021  
...Pure Quality

Certificate of Analysis

**Isopropyl Alcohol**

ACS Reagent Grade, Meets USP  
Laboratory Reagent

CAT.No: CP-E9094  
CAS No: 67-63-0  
Lot No: 021921CP  
Manufactured Date: February 21, 2021  
Retest Date: February 20, 2023  
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	SPECIFICATIONS	RESULTS
Appearance	Clear, Colorless	Conforms
Assay (Corrected for water) (USP)	> 99.0%	99.9%
Assay (Corrected for water)	> 99.5%	99.9%
Color (APHA)	10 max	5
Water (H <sub>2</sub> O) Wt.%	0.2 % max	0.03%
Evaporation Residue	0.001%	0.0001%
Limit of Nonvolatile Residue	< 2.5 mg (0.005%)	0.0 mg
Solubility in Water	T.P.T.	Pass
Titrateable Acid & Base	0.0001 meq/g max	<0.0001
Carbonyl Compounds: Acetone	0.002% max	<0.0002%
Carbonyl Compounds: Propionaldehyde	0.002% max	<0.001%
Density (g/ml) @ 25°C	0.7830 - 0.7870 @ 25°C	0.7864
Density (g/ml) @ 20°C	0.7862 - 0.7840 @ 20°C	0.7831
Boiling Range	82.3C +/-0.1C	Pass
Copper (Cu)	0.1 ppm max	<0.02 ppm
Iron (Fe)	0.1 ppm max	<0.02 ppm
Nickel (Ni)	0.1 ppm max	<0.02 ppm
Heavy Metals (Pb)	0.2 ppm max	<0.02 ppm

Meets TT-I-735 Grade A & B Federal Specifications

Approved: V. Mekesa, QA Director

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