



**ChemPure* Brand
Chemicals**

July 20, 2020

...Pure Quality

Certificate of Analysis

Isopropyl Alcohol

ACS Reagent Grade, Meets USP, NF,
Laboratory Reagent

CAT.No: CP-A9652
CAS No: 67-63-0
Lot No: K20G23CP
Manufacture Date: July 21,2020
Retest Date: July 20, 2025
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%	99.94%
Assay (Corrected for water)	ACS	> 99.5%	99.94%
Color (APHA)	ACS	10 max	1
Water (H ₂ O) Wt. %	ACS	0.2 % max	0.03%
Water Determination	USP	0.5%	0.03%
Evaporation Residue	ACS	0.001%	0.001%
Limit of Nonvolatile Residue	USP	< 2.5 mg (0.005%)	0.2 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	0.60 ml
Volatile Impurities:	USP	Diethyl Ether 0.1% max	None Detected
	USP	Acetone 0.1% max	None Detected
	USP	Diisopropyl Ether 0.1% max	None Detected
	USP	n-propyl Alcohol 0.1% max	<0.1%
	USP	2-Butanol 0.1% max	<0.1%
	USP	Total 1.0% max	<0.1%
	USP		

Approved: V. Mekesa, QA Director

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