



Certificate of Analysis

**Isopropyl Alcohol**

ACS Reagent Grade, Meets USP, NF,  
Laboratory Reagent

CAT.No: CP-C9094P  
CAS No: 67-63-0  
Lot No: K19L30026  
MFG Date: 12/05/2019  
Retest Date: 12/04/2024  
Storage: Room Temp

Molecular Formula: (CH<sub>3</sub>)<sub>2</sub>CHOH  
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 <sub>2</sub> 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	0.35 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	None Detected
	USP	Total 1.0% max	<0.1%
	USP		

\* = Quarterly tests performed by manufacturer

Approved: V. Mekesa, QA Director

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