



Certificate of Analysis

**Isopropyl Alcohol**

MEETS USP SPECIFICATIONS &  
ACS REAGENT GRADE

CAT.No: CP-C9091P, CP-D9091P, CP-T9091	Molecular Formula: (CH <sub>3</sub> ) <sub>2</sub> CHOH
CAS No: 67-63-0	Formula Weight: 60.10 g/mol
Lot No: 00516JMMDM	MDL: MFCD00011674
Manufactured Date: September 1, 2022	EC No: 200-661-7
Retest Date: September 1, 2024	Density: 0.7864@20°C
Storage: Room Temp	Boiling Pt: 82.3 +/- 1.0°C

TEST	SPECIFICATIONS	RESULTS
Appearance	Clear, Colorless	Conforms
Assay (Corrected for water) (USP)	> 99.0% Min	99.9%
Assay	99.5% Min	99.9%
Color (Pt-Co)	5 Max	≤ 3
Water (Content) Wt.%	0.100% Max	0.04%
Water (Content - USP) Wt.%	0.5 Max	≤ 0.05%
Water Miscibility	Clear, Colorless	Conforms
Refractive Index, 20C	1.377-1.378	1.377
Non Volatile Mater, per 100ml	0.0010 g	0.0002 g
Specific Gravity 20/20°C	0.7862 - 0.7870	0.787
Specific Gravity 25/25°C	0.7830 - 0.7831	0.783
Identification by IR	TPT	Pass
Identification by IPA by GC	TPT	Pass
Distillation Range (Incl 82.3°C)	1.0 °C Max	0.6 °C
LVI, Acetone, USP Wt%	0.1 % Max	Pass
LVI, Diisopropyl Ether, USP Wt%	0.1 % Max	Pass
LVI, Ethyl Ether, USP Wt%	0.1 % Max	Pass
LVI, n-Propyl Alcohol, USP Wt%	0.1 % Max	Pass
LVI, 2-Butanol, USP Wt%	0.1 % Max	Pass
Density @20C, g/mL	0.785 - 0.786	0.785
Any individual unspecified Impurity	0.1% Max	Pass

*This IPA product is produced by ExxonMobil Meets Pharmacopoeia: U.S. Pharmacopoeia 39/National Formulary 34; European Pharmacopoeia 2017 (9th Edition); Indian Pharmacopoeia 2014 (7th Edition); Japanese Pharmacopoeia 2014 (16th Edition); ASTM D770-11 Specifications: U.S.Federal*

*Unless otherwise specified herein: data were prepared pursuant to ExxonMobils sampling and testing procedures in effect at time of production; and applicable sampling and testing methods are available upon request. Values may result from interpolation or correlation of other data.*

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*Questions regarding this product will be addressed through ChemPure Chemicals by email, support@Chempurebrand.com. Any change in the results list on this document must be approved by ExxonMobile.*

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