
Certificate of Analysis

Product:	Isopropyl Alcohol	CP-T9091
CAS#	67-63-0	Lot: 00217KMMDEX
Formula:	(CH ₃) ₂ CHOH	FW: 6010 g/mol
MDL:	MFCD00011674	Density: 0.7864 g/cc
EC:	200-661-7	Boiling Pt: 82.3 +/- 0.1C

Meets ACS- USP Grade Specifications

TEST	Specifications	RESULT
Assay (Purity), wt%	min. 99.9%	99.98%
Purity (USP) , vol%	min. 99.0%	100%
Color (APHA)	min. 5	5
Appearance	Bright and clear	Pass
Acidity, as acetic acid, wt%	max. 0.001%	< 0.001%
Acidity, mL (0.02N NaOH)	max. 0.70	0.21
Residue after evaporation, per 100mL	max. 10 ppm	< 1 ppm
Refractive Index, 20C	1.377 – 1.378	1.377
Density (g/mL) @ 20C	0.7862 – 0.7870	0.7864
Density (g/mL) @ 25C	0.7830 – 0.7840	0.7832
Water content	0.1% max.	0.013%
Boiling Range, (incl. 82.3C)	max. 1.0C	0.1
Distillation -Init. Boiling Pt. °C		82.2 °C
Distillation – Dry Point. °C		82.3 °C
Identification by IR	To Pass Test	Pass
Identification by GC	To Pass Test	Pass
Solubility in water	Passes ACS test	Pass
LVI, 2-Butanol, USP, % vol	max. 0.1	<0.1
LVI, Acetone, USP, % vol	max. 0.1	<0.1

LVI, Dilsopropyl Ether, USP, % vol	max. 0.1	<0.1
LVI, Ethyl Ether, USP, % vol	max. 0.1	<0.1
LVI, Methanol, USP, % vol	max 0.02	<0.01
LVI, N-Propyl alcohol, USP, % vol	max. 0.1	<0.1
LVI, Total, USP, % vol	max. 1.0	<0.1
Manufacturing Date		June-28- 2022
Retest Date		Oct- 03 -2024

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