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### Certificate of Analysis

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Product:	IsoPropanol, 2-Propanol	CP-D9091P
CAS#	67-63-0	Lot: D042624CP
Formula:	(CH <sub>3</sub> ) <sub>2</sub> CHOH	FW: 60.10 g/mol
MDL:	MFCD00011674	Density: 0.7864 g/cc @ 20C
EC:	200-661-7	Grade: ACS/USP/NF

Meets ACS, USP and NF Grade Specifications

TEST	LIMITS	RESULT
Appearance	Clear, Colorless	Pass
Assay	min 99.5%	99.95%%
Carbonyl Compounds	0.002%	<0.0002%
Color (APHA)	10	5
Density (g/mL) @ 20°C	0.7862 - 0.7870	0.7864
Density (g/mL) @ 25°C	0.7830 – 0.7840	0.7831
Boiling Range	82.3°C +/- 0.1° C	PASS
Residue after evaporation	0.001%	<0.0001%
Solubility in water	Passes ACS Test	Pass
Titratable Acid or Base	0.0001 meq/g	<0.0001 meq/g
Carbonyl compounds	0.002%	<0.001%
Nickel (Ni )	max. 0.1ppm	<0.02ppm
Copper ( Cu )	max. 0.1ppm	<0.02ppm
Iron ( Fe )	max. 0.1ppm	<0.02ppm
Heavy metals ( as Pb)	max. 0.2ppm	<0.02ppm
Water	max. 0.2%	<0.01%
Manufacturing Date		April - 2024
Retest Date		April – 2029

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