

**CERTIFICATE OF ANALYSIS**

PRODUCT NAME	ISO PROPYL ALCOHOL (IPA)
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PROPERTY	METHOD	RESULT UNITS	MIN	MAX
Appearance	Visual	Clear & --- Bright	--	--
Platinum Cobalt Colour	ASTM D1209-05(2019)	5 Pt/Co Colour	--	10
Water Content by Coulometric KF	ASTM E 1064-16	0.017 % (m/m)	--	0.05
Density at 20°C	ASTM D4052-18a	0.7851 g/cm <sup>3</sup>	0.783	0.787
Acidity ( as Acetic Acid)	ASTM D1613-17	0.0005 % (m/m)	--	0.002
Carbonyl Content ( as CH <sub>3</sub> COCH <sub>3</sub> )	ASTM E411-17a	64.9 mg/kg	--	200
Nonvolatile Matter	ASTM D1353-13(2021)	<0.001 % (m/m)	--	0.002
Purity	GB/T 9722-2006	99.95 % (m/m)	99.9	--
Sulfer Content	ASTM D5453-19a	<1 mg/kg	--	--