

PRODUCT SPECIFICATION

Product Description	Isopropyl Alcohol
Grade	MOS
Product Code	IPA110-2.5P, IPA110-3.8P
Synonyms	Isopropanol, Propan-2-ol, 2-Propanol
Molecular Formula	C ₃ H ₈ O
CAS Number	67-63-0

Test	Test Method	Specification	Unit
Purity Assay (GC)	LQP-22-SOP-T006	≥ 99.8	%
Water Content	ASTM E1064	≤ 0.10	%
Acidity	LQP-22-SOP-T001	≤ 0.0010	meq/g
Alkalinity	LQP-22-SOP-T007	≤ 0.0002	meq/g
Non-Volatile Matter	LQP-22-SOP-T004	≤ 0.5	mg/100mL
Density (at 20°C)	ASTM D4052	0.784 – 0.788	g/cm ³
Solubility in water	ASTM D1722	Pass	-
Appearance	LQP-22-SOP-M001	Clear	-
Trace Impurities		≤ 100	ppb
Elemental analysis by ICP-MS		Refer to page 2	

*Elemental analysis by ICP-MS

Heavy Metal	Specification	Unit	Heavy Metal	Specification	Unit
Al	50 max	ppb	Mg	20 max	ppb
As	10 max	ppb	Mn	15 max	ppb
Ba	20 max	ppb	Mo	100 max	ppb
Be	100 max	ppb	Ni	10 max	ppb
Bi	100 max	ppb	Nb	100 max	ppb
B	10 max	ppb	K	100 max	ppb
Cd	20 max	ppb	Si	50 max	ppb
Ca	50 max	ppb	Ag	20 max	ppb
Cr	20 max	ppb	Na	100 max	ppb
Co	20 max	ppb	Sr	20 max	ppb
Cu	10 max	ppb	Ta	100 max	ppb
Ge	50 max	ppb	Tl	10 max	ppb
Ga	50 max	ppb	Sn	100 max	ppb
Au	20 max	ppb	Ti	20 max	ppb
Heavy metals (as Pb)	200 max	ppb	V	100 max	ppb
Fe	50 max	ppb	Zn	50 max	ppb
Pb	20 max	ppb	Zr	100 max	ppb
Li	50 max	ppb			

Notes: 1) Product filtered through a 0.2 micron filter.

Date 29/12/2020

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