




Quality Department - Certificate of Analysis

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ISOPROPYL ALCOHOL 99% USP	<b>Lot # :</b>	<b>Item #:</b>	<b>Location shipped from :</b>
	030396	P210IP99	Brampton, ON

Measure Description	Method Description	Specification	Results
Specific Gravity (in air), at 25/25°C	Current USP	0.783 to 0.787	0.7831
IDENTIFICATION A - Infrared Absorption	Current USP	Conforms to standard	Conforms
Isopropyl Alcohol, Assay %	Gas Chromatography	NLT 99.85	99.99
Volatile Impurities - Each individual impurity, %	Gas Chromatography	NMT 0.10	NMT 0.10
Volatile Impurities - Total of all impurities, %	Gas Chromatography	NMT 1.00	0.00
IDENTIFICATION B - Major peak corresponds with 2-propanol	Gas Chromatography	Major peak corresponds with 2-propanol	Meets test requirements
Acidity, mL	Current USP	NMT 0.70mL of 0.02N NaOH required to neutralize 50mL sample	0.30
Acids as Acetic Acid, g/100mL	Current ASTM D1613	NMT 1.68	0.7200
Water Content, v/v%	Karl Fischer Titration	NMT 0.320	0.007
Nonvolatile Residue, w/v%	Current USP	NMT 0.0025g/50mL sample (0.005%)	0.0000
Refractive Index, at 20°C	Current USP	1.376 to 1.378	1.378

<b>QC Test #:</b>	QT0018665	<b>Manufacturing Date:</b>	02-Apr-2020	<b>Disposition:</b>	Released(X) Rejected ( )
<b>CofA Revision #:</b>	0	<b>Certified Date:</b>	03-Apr-2020	<b>Quality Approver:</b>	SOPHIA.KHAN
		<b>Expiry Date:</b>	Apr-2022		
<b>Specification:</b>	QCSPEC #: QSPEC000093, Version #: QV000000, Approver: SS, Effective Date: 16-Sep-2019				