Certificate of Analysis

FUJIFILM
Value from Innovation

FUJIFILM Electronic Materials
(Singapore) Pte.Ltd.
9 Tuas View Lane
Singapore 637569
Tel: (65) 6865 1985

FORM NO. FRM-01888 Rev4

Description:	Isopropyl Alcohol		
Item Code:	200-0806	**Packaging Size**	200LT Drum
Batch No:	IP1309266411	**Customer/FUJIFILM spec:**	4173.3
Manufacture Date:	13-Sep-2026	**Customer Part Number:**	NA
Expiry Date:	13-Sep-2027	**Grade:**	MOS

Parameter	Min	Max	Unit	Result
Assay (IPA)	99.9		%	99.9
Color		10	APHA	<5
Water content		0.1	%	<0.01
Acidity as Acetic Acid		0.001	%	<0.0005
Appearance				Clear Liquid
Specific Gravity @ 20 °C	0.785	0.787		0.7865
Residue After Evaporation		5	ppm	<1
Chloride (Cl)		50	ppb	<5
Nitrate (NO3)		200	ppb	<20
Sulfate (SO4)		50	ppb	<5
Phosphate (PO4)		300	ppb	<30
Aluminum (Al)		50	ppb	<2
Arsenic (As)		10	ppb	<1
Barium (Ba)		50	ppb	<5
Boron (B)		10	ppb	<1
Cadmium (Cd)		100	ppb	<10
Calcium (Ca)		50	ppb	<5
Chromium (Cr)		20	ppb	<2
Cobalt (Co)		20	ppb	<2
Copper (Cu)		1	ppb	<0.5
Iron (Fe)		30	ppb	<3
Lead (Pb)		20	ppb	<2
Lithium (Li)		20	ppb	<2
Magnesium (Mg)		20	ppb	<2
Manganese (Mn)		10	ppb	<1
Nickel (Ni)		10	ppb	<1
Potassium (K)		300	ppb	<30

Parameter	Min	Max	Unit	Result
Silver (Ag)		50	ppb	<5
Sodium (Na)		50	ppb	<5
Strontium (Sr)		10	ppb	<1
Titanium (Ti)		10	ppb	<1
Zinc (Zn)		20	ppb	<2
0.5µ Particle Count		100	par/ml	5

Approved on: 09-Oct-2026

This certificate of analysis is electronically issued and is valid without signature