Rocky Mountain Reagents
SCIENTIFIC SOLUTIONS SINCE 1951

CERTIFICATE OF ANALYSIS

Product: Isopropyl Alcohol, ACS / SEMI / Electronic Grade
Catalog Number: I1021
Lot Number: A08172609G
Manufacture Date: 08/2026
Expiration Date: 08/2028
CAS #: 67-63-0
Chemical Formula: C_3H_8O
Formula Weight: 60.10

Properties	Result	Specification
IPA (%)	99.9	≥99.5
Color (APHA)	<10	≤10
Appearance	Pass	Passes Test
Residue after Evaporation (%)	<0.0005	≤0.0005
Solubility in water	Pass	Passes Test
Titrable Acid (meq/g)	<0.0001	≤0.0001
Titrable Base (meq/g)	<0.0001	≤0.0001
Carbonyl compounds (%)	<0.002	≤0.002
Water (%wt)	0.01	≤0.05
Density (g/ml)	0.785	0.78 – 0.79
IR Spectra ACS (TPT)	Pass	Passes Test
Chloride (ppb)	<20	≤200
Phosphate (PO_4) ppb	<20	≤500
Particles - ≥ 1.0 µm	<1	≤10/ml

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Trace Metals	Result	Specification (ppb max)
Aluminum (Al)	<5	50
Arsenic (As) & Antimony (Sb)	<1	10
Boron (B)	10	10
Calcium (Ca)	<5	50
Chromium (Cr)	<5	50
Copper (Cu)	<1	10
Gold (Au)	<5	50
Iron (Fe)	<7	75
Lead (Pb)	<5	50
Magnesium (Mg)	<5	50
Manganese (Mn)	<5	50
Potassium (K)	<7	75
Sodium (Na)	<7	75
Nickel (Ni)	<1	10
Tin (Sn)	<5	50
Titanium (Ti)	<5	50
Zinc (Zn)	<5	50

It is certified on 08/26/26 that the above is a true copy of the actual lot analysis.

Grant Christen
Quality Systems and Regulatory Affairs
Rocky Mountain Reagents, Inc.

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