

PRODUCT SPECIFICATION SHEET

Isopropyl Alcohol, 99.9+%

Electronic/Semiconductor Grade

Test	Specification	Typical Results
Assay (C ₃ H ₈ O), %	Min 99.50	Min 99.50
Assay (H ₂ O), ppm	Max 500	Max 500
Color, APHA	Max 6	Max 6
Appearance	Pass	Pass
Acidity, ueq/g	Max 0.200	Max 0.200
Alkalinity, ueq/g	Max 0.100	Max 0.100
Residue after Evaporation, ppb	Max 5000	Max 5000
Solubility (in H ₂ O)	Pass	Pass
Chloride (Cl), ppb	Max 200	Max 200
Phosphate (PO ₄), ppb	Max 500	Max 500
Aluminum (Al), ppb	Max 50	Max 50
Arsenic and Antimony (as As), ppb	Max 10	Max 10
Barium (Ba), ppb	Max 20	Max 20
Beryllium (Be), ppb	Max 10	Max 10
Bismuth (Bi), ppb	Max 20	Max 20
Boron (B), ppb	Max 10	Max 10
Cadmium (Cd), ppb	Max 10	Max 10
Calcium (Ca), ppb	Max 10	Max 10
Chromium (Cr), ppb	Max 10	Max 10
Cobalt (Co), ppb	Max 10	Max 10

Copper (Cu), ppb	Max 10	Max 10
Gallium (Ga), ppb	Max 10	Max 10
Germanium (Ge), ppb	Max 10	Max 10
Gold (Au), ppb	Max 20	Max 20
Iron (Fe), ppb	Max 50	Max 50
Lead (Pb), ppb	Max 10	Max 10
Lithium (Li)	Max 10	Max 10
Magnesium (Mg)	Max 20	Max 20
Manganese (Mn), ppb	Max 10	Max 10
Molybdenum (Mo), ppb	Max 10	Max 10
Nickel (Ni), ppb	Max 10	Max 10
Niobium (Nb), ppb	Max 10	Max 10
Platinum, ppb	Max 50	Max 50
Potassium (K), ppb	Max 20	Max 20
Silicon (Si), ppb	Max 100	Max 100
Silver (Ag), ppb	Max 10	Max 10
Sodium (Na), ppb	Max 100	Max 100
Strontium (Sr), ppb	Max 10	Max 10
Tantalum (Ta), ppb	Max 10	Max 10
Thallium (Tl), ppb	Max 10	Max 10
Tin (Sn), ppb	Max 20	Max 20
Titanium (Ti), ppb	Max 20	Max 20
Vanadium (V), ppb	Max 10	Max 10
Zinc (Zn), ppb	Max 20	Max 20
Zirconium (Zr), ppb	Max 20	Max 20
Particle Count, 0.5 um, ct/ml	Max 17	Max 17

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Particle Count, 1.0 um, ct/ml	Max 5	Max 5
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This product is for further commercial manufacturing, laboratory or research use, and may be used as an excipient or a process solvent for pharmaceutical purposes. It is not intended for use as an active ingredient in drug manufacturing nor as a medical device or disinfectant. Appropriate/legal use of this product is the responsibility of the user