LAB ALLEY
ESSENTIAL CHEMICALS

Certificate of Analysis

Product: Isopropyl Alcohol, 99% Semiconductor/ Electronic Grade
Item Number: IPAS99
CAS#: 67-63-0
Grade: Semiconductor
Lot Number: 5002732/1.1
Manufacture Date: 10/20/2026
Retest Date : 10/19/2029
Country of Origin: United States

Tested Property	Specification	Analysis
Assay	Min. 99.50%	99.90%
Color (APHA)	Max. 10	5
Acidity	Max. 0.2 ueq/g	<0.2 ueq/g
Water	Max. 0.05%	<0.02%
Residue after evaporation	Max. 5 ppm	<1 ppm
Solubility in Water	To pass test	Passes
Heavy metals (as Pb), ppm	Max. 0.2 ppm	<0.1 ppm
Arsenic & Antimony (as As)	Max. 0.01 ppm	<0.001 ppm
Aluminium	Max. 1 ppm	<0.5 ppm
Barium	Max. 1 ppm	<0.5 ppm
Boron	Max. 0.01 ppm	<0.01 ppm
Cadmium	Max. 1 ppm	<0.5 ppm
Calcium	Max. 1 ppm	<0.5 ppm
Chromium	Max. 0.5 ppm	<0.5 ppm
Cobalt	Max. 0.1 ppm	<0.1 ppm
Copper	Max. 0.1 ppm	<0.1 ppm
Gallium	Max. 0.5 ppm	<0.5 ppm
Germanium	Max. 1 ppm	<0.5 ppm
Gold	Max. 0.5 ppm	<0.5 ppm
Iron	Max. 0.1 ppm	<0.1 ppm

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Lithium	Max. 1 ppm	<0.5 ppm
Magnesium	Max. 1 ppm	<0.5 ppm
Manganese	Max. 1 ppm	<0.5 ppm
Nickel	Max. 0.1 ppm	<0.1 ppm
Potassium	Max. 1 ppm	<0.5 ppm
Silicon	Max. 1 ppm	<0.5 ppm
Silver	Max. 0.5 ppm	<0.1 ppm
Sodium	Max. 1 ppm	<1 ppm
Strontium	Max. 1 ppm	<1 ppm
Tin	Max. 1 ppm	<1 ppm
Zinc	Max. 1 ppm	<1 ppm
Chloride	Max. 0.2 ppm	<0.1 ppm
Phosphate	Max. 0.5 ppm	<0.1 ppm
Alkalinity	Max. 0.1 ueg/g	<0.1 ueg/g

Store in a cool, dry, and well-ventilated environment.

Isopropyl Alcohol, 99% Semiconductor/ Electronic Grade

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

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