

Certificate of Analysis

Product: Isopropyl Alcohol, 99% Semiconductor/ Electronic Grade

Item Number: IPAS99

CAS#: 67-63-0

Grade: Semiconductor

Lot Number: 5002609/1.1

Manufacture Date: 07/31/2026

Retest Date : 07/30/2029

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

Phone: 512-668-9918, Fax: 512-886-4008,

E-mail: customercare@laballey.com,

www.laballey.com.

12501 Pauls Valley Road, Suite A, Austin, Texas 78737.

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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

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

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