

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-12 18:31:16

Date of Next Testing: 2027-08-02 18:31:16

Product Name: **Isopropyl Alcohol(IPA)**

CAS Number: 67-63-0

Specifications & Purity: Suitable for molecular biology, ≥99.5%(GC)

Lot #: H2508403

SKU #: **I112018**

Version: **2**

Analysis #: **548359**

Storage Temperature: Room temperature,Argon charged

Parameter	Limit Values	Result
Manganese(Mn)	0-0.02 (ppm)	0.00125 ppm
Lithium(Li)	0-0.1 (ppm)	0.01240 ppm
Zinc(Zn)	0-0.1 (ppm)	0.05140 ppm
Cadmium(Cd)	0-0.05 (ppm)	0.00125 ppm
Calcium(Ca)	0-0.5 (ppm)	0.20140 ppm
Purity(GC)	99.5-100 (%)	99.98300 %
Aluminum(Al)	0-0.5 (ppm)	0.10400 ppm
Barium(Ba)	0-0.1 (ppm)	0.02500 ppm
Chromium(Cr)	0-0.02 (ppm)	0.01040 ppm
Bismuth(Bi)	0-0.1 (ppm)	0.02520 ppm
Sodium(Na)	0-0.5 (ppm)	0.11500 ppm
Nickel(Ni)	0-0.02 (ppm)	0.00010 ppm
Cobalt(Co)	0-0.02 (ppm)	0.00235 ppm
Evaporation Residue	0-0.001 (mg/L)	0.00010 mg/L
Potassium(K)	0-0.5 (ppm)	0.10740 ppm
Iron(Fe)	0-0.1 (ppm)	0.02520 ppm
Copper(Cu)	0-0.02 (ppm)	0.00147 ppm
Magnesium(Mg)	0-0.1 (ppm)	0.04150 ppm
(Pb)Lead	0-0.1 (ppm)	0.02520 ppm
Strontium(Sr)	0-0.1 (ppm)	0.01620 ppm
Molybdenum(Mo)	0-0.1 (ppm)	0.02540 ppm
Acetone	0-0.002 (%)	0.00000 %
Carbonyl Compounds(as Propional dehyde)	0-0.002 (%)	0.00000 %
Water by Karl Fischer	0-0.2 (%)	0.01430 %
Residue on Evaporation	0-0.001 (%)	0.00000 %

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Parameter	Limit Values	Result
Titratable Acid or Base	0-0.0001 (meq)	0.00000 meq
DNases	none detected	none detected
Insoluble matter	pass	Pass
phosphatases	none detected	none detected
proteases	none detected	none detected
RNases	none detected	none detected
Appearance(I112018)	Colorless low Melting Solid or liquid	Colorless low Melting Solid or liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".John Su
QA & QC Manager