

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-03-18 14:50:06
 Date of Next Testing: 2028-03-07 14:50:06
 Product Name: **Isopropyl Alcohol(IPA)**
 CAS Number: 67-63-0
 Specifications & Purity: Suitable for molecular biology, ≥99.5%(GC)
 Lot #: C2604813
 SKU #: **I112018**
 Version: **2**
 Analysis #: **651622**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Manganese(Mn)	0-0.02 (ppm)	0.00100 ppm
Lithium(Li)	0-0.1 (ppm)	0.00200 ppm
Zinc(Zn)	0-0.1 (ppm)	0.02150 ppm
Cadmium(Cd)	0-0.05 (ppm)	0.00152 ppm
Calcium(Ca)	0-0.5 (ppm)	0.10500 ppm
Purity(GC)	99.5-100 (%)	99.89400 %
Aluminum(Al)	0-0.5 (ppm)	0.13600 ppm
Barium(Ba)	0-0.1 (ppm)	0.00100 ppm
Chromium(Cr)	0-0.02 (ppm)	0.00250 ppm
Bismuth(Bi)	0-0.1 (ppm)	0.00100 ppm
Sodium(Na)	0-0.5 (ppm)	0.15600 ppm
Nickel(Ni)	0-0.02 (ppm)	0.01350 ppm
Cobalt(Co)	0-0.02 (ppm)	0.00230 ppm
Evaporation Residue	0-0.001 (mg/L)	0.00010 mg/L
Potassium(K)	0-0.5 (ppm)	0.10250 ppm
Iron(Fe)	0-0.1 (ppm)	0.03250 ppm
Copper(Cu)	0-0.02 (ppm)	0.00120 ppm
Magnesium(Mg)	0-0.1 (ppm)	0.00100 ppm
(Pb)Lead	0-0.1 (ppm)	0.00520 ppm
Strontium(Sr)	0-0.1 (ppm)	0.00200 ppm
Molybdenum(Mo)	0-0.1 (ppm)	0.01560 ppm
Acetone	0-0.002 (%)	0.00000 %
Carbonyl Compounds(as Propional dehyde)	0-0.002 (%)	0.00000 %
Water by Karl Fischer	0-0.2 (%)	0.02040 %
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