

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-03-10 13:06:33
 Date of Next Testing: 2024-02-28 13:06:33
 Product Name: **Isopropyl Alcohol**
 CAS Number: 67-63-0
 Specifications & Purity: for molecular biology, ≥99.5%(GC)
 Lot #: C2204596
 SKU #: **I112018**
 Analysis: **076169**

Parameter	Limit Values	Result
UV Absorbance 280nm	0-0.01	0.00
Manganese(Mn)	0-0.02 (ppm)	0.02 ppm
Lithium(Li)	0-0.1 (ppm)	0.09 ppm
Zinc(Zn)	0-0.1 (ppm)	0.09 ppm
Cadmium(Cd)	0-0.05 (ppm)	0.00 ppm
Calcium(Ca)	0-0.5 (ppm)	0.48 ppm
Purity(GC)	99.5-100 (%)	99.98 %
Aluminum(Al)	0-0.5 (ppm)	0.48 ppm
Barium(Ba)	0-0.1 (ppm)	0.01 ppm
Chromium(Cr)	0-0.02 (ppm)	0.00 ppm
Bismuth(Bi)	0-0.1 (ppm)	0.09 ppm
Sodium(Na)	0-0.5 (ppm)	0.00 ppm
Nickel(Ni)	0-0.02 (ppm)	0.02 ppm
Cobalt(Co)	0-0.02 (ppm)	0.00 ppm
Evaporation Residue	0-0.001 (mg/L)	0.00 mg/L
Potassium(K)	0-0.5 (ppm)	0.05 ppm
Iron(Fe)	0-0.1 (ppm)	0.01 ppm
UV Absorbance 260nm	0-0.02	0.00
Copper(Cu)	0-0.02 (ppm)	0.00 ppm
Magnesium(Mg)	0-0.1 (ppm)	0.00 ppm
(Pb)Lead	0-0.1 (ppm)	0.03 ppm
Strontium(Sr)	0-0.1 (ppm)	0.06 ppm
Molybdenum(Mo)	0-0.1 (ppm)	0.01 ppm
DNases	none detected	none detected
Insoluble matter	pass	Pass
phosphatases	none detected	none detected
proteases	none detected	none detected

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Parameter	Limit Values	Result
RNases	none detected	none detected
Appearance(I112018)	Colorless low Melting Solid or liquid	Colorless low Melting Solid or liquid

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager