

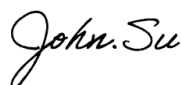
ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2023-06-20 09:10:18
Date of Next Testing:	2027-06-19 09:10:18
Product Name:	<b>Isopropyl Alcohol</b>
CAS Number:	67-63-0
Specifications & Purity:	Analytical Reagent, ≥99.7%
Lot #:	F2302346
SKU #	<b>I112011</b>
<b>Analysis:</b>	<b>239932</b>

Parameter	Limit Values	Result
Assay	99.7-100 (%)	99.88600 %
Carbonyl Compounds(as Propional dehyde)	0-0.005 (%)	0.00000 %
Iron(Fe)	0-0.00001 (%)	0.00000 %
Methanol(CH <sub>3</sub> OH)	0-0.1 (%)	0.00000 %
Density (20°C)	0.784-0.786 (g/ml)	0.78560 g/ml
Refractive index n <sub>20</sub> /D	1.376-1.379	1.37610
Water by Karl Fischer	0-0.1 (%)	0.01130 %
Evaporation Residue	0-0.001 (%)	0.00000 %
Acidity(as H <sup>+</sup> )	0-0.3 (μmol/g)	0.00000 μmol/g
Appearance (I112011)	Colorless Liquid	Colorless liquid
Miscibility with water	Pass	Pass
Potassium permanganate reducing substances	Pass	Pass
Readily carbonizable substance	Pass	Pass



John Su  
QA & QC Manager