

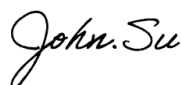
ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-05-26 09:41:54
 Date of Next Testing: 2026-05-25 09:41:54
 Product Name: **Isopropyl Alcohol**
 CAS Number: 67-63-0
 Specifications & Purity: Analytical Reagent, ≥99.7%
 Lot #: E2224158
 SKU #: **I112011**
 Analysis: **091926**

Parameter	Limit Values	Result
Purity(GC)	99.7-100 (%)	99.99%
Carbonyl Compounds(as Propional dehyde)	0-0.005 (%)	0.00%
Iron(Fe)	0-0.1 (ppm)	0.03 ppm
Methanol(CH ₃ OH)	0-0.1 (%)	0.04%
Density	0.784-0.786 (g/ml)	0.79 g/ml
Refractive index n ₂₀ /D	1.376-1.379	1.38
Water by Karl Fischer	0-0.1 (%)	0.01%
Evaporation Residue	0-0.001 (%)	0.00%
Acidity(as H ⁺)	0-0.0003 (mmol/g)	0.00 mmol/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