

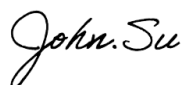
ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-29 11:11:57
 Date of Next Testing: 2027-11-28 11:11:57
 Product Name: **Isopropyl Alcohol**
 CAS Number: 67-63-0
 Specifications & Purity: Analytical Reagent, ≥99.7%
 Lot #: K2321571
 SKU #: **I112011**
 Analysis: **299471**

Parameter	Limit Values	Result
Assay	99.7-100 (%)	99.80300 %
Carbonyl Compounds(as Propional dehyde)	0-0.005 (%)	0.00000 %
Iron(Fe)	0-0.00001 (%)	0.00000 %
Methanol(CH ₃ OH)	0-0.1 (%)	0.00000 %
Density (20°C)	0.784-0.786 (g/ml)	0.78580 g/ml
Refractive index n ₂₀ /D	1.376-1.379	1.37710
Water by Karl Fischer	0-0.1 (%)	0.00470 %
Evaporation Residue	0-0.001 (%)	0.00000 %
Acidity(as H ⁺)	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