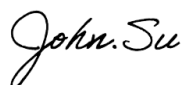


Certificate of Analysis

Date of Testing: 2022-09-16 12:21:17
 Date of Next Testing: 2026-09-15 12:21:17
 Product Name: **Isopropyl Alcohol**
 CAS Number: 67-63-0
 Specifications & Purity: Analytical Reagent, ≥99.7%
 Lot #: I2212008
 SKU #: **I112011**
Analysis: 127367

Parameter	Limit Values	Result
Assay	99.7-100 (%)	99.97500 %
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 %
Refractive index n ₂₀ /D	1.376-1.379	1.37710
Water by Karl Fischer	0-0.2 (%)	0.02570 %
Evaporation Residue	0-0.001 (%)	0.00000 %
Acidity(as H ⁺)	0-0.3 (μmol/g)	0.00000 μmol/g
Density (20°C)	0.784-0.786 (g/ml)	0.78600 g/ml
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