

Certificate of Analysis

Date of Testing:	2024-06-19 16:28:49
Date of Next Testing:	2028-06-18 16:28:49
Product Name:	Isopropyl Alcohol
CAS Number:	67-63-0
Specifications & Purity:	Pharmaceutical grade
Lot #:	E2429391
SKU #	I434894
Version	1
Analysis #:	353091
Storage Temperature:	Argon charged,Desiccated

Parameter	Limit Values	Result
Specific gravity 25 °C	0.783-0.787	0.78400
Refractive index n ₂₀ /D	1.376-1.378	1.38
Assay(GC)	≥ 99.0 (%)	99.90200 %
Residue on Evaporation	≤0.0005 (%)	0.00 %
Diethyl Ether	≤ 0.1(%)	0.00000 %
Acetone	≤ 0.1 (%)	0.00000 %
Diisopropyl Ether	≤ 0.1 (%)	0.00000 %
N-Propanol	≤0.1 (%)	0.00000 %
2-Butanol	≤0.1 (%)	0.00000 %
methanol	≤0.02 (%)	0.00000 %
Unspecified Impurity	≤0.1 (%)	0.00000 %
Water by Karl Fischer	≤0.5 (%)	0.02 %
Total Impurities	≤1.0 (%)	0.00000 %
Infrared spectrum	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager