

Certificate of Analysis

Date of Testing: 2024-06-20 10:33:57
Date of Next Testing: 2028-06-19 10:33:57
Product Name: **Isopropyl Alcohol**
CAS Number: 67-63-0
Specifications & Purity: Pharmaceutical grade
Lot #: E2429396
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".

John Su
QA & QC Manager