

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-08-31 17:17:51
Date of Next Testing:	2028-08-30 17:17:51
Product Name:	Isopropyl Alcohol
CAS Number:	67-63-0
Specifications & Purity:	for preparative chromatography,99.8%
Lot #:	H2429299
SKU #	I112023
Version	0
Analysis #:	406187

Parameter	Limit Values	Result
Density (20°C)	0.785-0.789	0.79
total of impurities apart from 2-butanol	0-0.3 (%)	0.02 %
Alkalinity	0-0.0002 (mg/g)	0.00 mg/g
Isopropylether (GC)	0-0.01 (%)	0.00 %
Water by Karl Fischer	0-0.05 (%)	0.01 %
Total combined yeasts/moulds count (TYMC)	0-10 (cfu/g)	8.00 cfu/g
Acidity	0-0.0002	0.00
Absorbance at 270 nm	0-0.03	0.00
Absorbance at 250 nm	0-0.1	0.00
Density (25°C)	0.783-0.787	0.79
Absorbance at 290 nm	0-0.02	0.00
Refractive index n ₂₀ /D	1.376-1.378	1.38
Bacterial endotoxins	0-2.5 (IU/ml OR u/ml)	2.00 IU/ml OR u/ml
Absorbance at 230 nm	0-0.3	0.04
Absorbance at 310 nm	0-0.01	0.00
Total aerobic microbial count (TAMC)	0-100 (cfu/g)	13.92 cfu/g
Evaporation Residue	0-0.0001 (mg/L)	0.00 mg/L
Benzene and related substances (GC)	0-2 (ppm)	0.50 ppm
Purity(GC)	99.8-100 (%)	99.94 %
Appearance (I112023)	Colorless Liquid	Colorless liquid
Bile-tolerant gram-negative bacteria (absent in 1 g)	passes test	Passes test
Candida albicans (absent in 1 g)	passes test	Passes test
Escherichia coli (absent in 1 g)	passes test	Passes test
Infrared spectrum	Conforms to Structure	Conforms to Structure
Peroxides	Conforms	Conforms
Pseudomonas aeruginosa (absent in 1 g)	passes test	Passes test

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Parameter	Limit Values	Result
Salmonella (absent in 10 g)	passes test	Passes test
Staphylococcus aureus (absent in 1 g)	passes test	Passes test
The absorption curve is smooth	Conforms	Conforms

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager