

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-02 18:23:12
 Date of Next Testing: 2029-12-01 18:23:12
 Product Name: **Isopropyl Alcohol(IPA)**
 CAS Number: 67-63-0
 Specifications & Purity: for preparative chromatography, ≥99.8%
 Lot #: K2528047
 SKU #: **I112023**
 Version: **0**
 Analysis #: **615748**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Density (20°C)	0.785-0.789	0.78550
total of impurities apart from 2-butanol	0-0.3 (%)	0.01500 %
Alkalinity	0-0.0002 (mg/g)	0.00000 mg/g
Isopropylether (GC)	0-0.01 (%)	0.00030 %
Water by Karl Fischer	0-0.05 (%)	0.01070 %
Total combined yeasts/moulds count (TYMC)	0-10 (cfu/g)	6.00000 cfu/g
Acidity	0-0.0002	0.00000
Absorbance at 270 nm	0-0.03	0.00000
Absorbance at 250 nm	0-0.1	0.00120
Density (25°C)	0.783-0.787	0.78340
Absorbance at 290 nm	0-0.02	0.01300
Refractive index n ₂₀ /D	1.376-1.378	1.37710
Bacterial endotoxins	0-2.5 (IU/ml OR u/ml)	1.23400 IU/ml OR u/ml
Absorbance (at 230 nm)	0-0.3	0.06100
Absorbance at 310 nm	0-0.01	0.00340
Total aerobic microbial count (TAMC)	0-100 (cfu/g)	60.00000 cfu/g
Evaporation Residue	0-0.0001 (mg/L)	0.00000 mg/L
Benzene and related substances (GC)	0-2 (ppm)	1.02400 ppm
Purity(GC)	99.8-100 (%)	99.95500 %
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

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Parameter

Pseudomonas aeruginosa (absent in 1 g)

Salmonella (absent in 10 g)

Staphylococcus aureus (absent in 1 g)

The absorption curve is smooth

Limit Values

passes test

passes test

passes test

Conforms

Result

Passes test

Passes test

Passes test

Conforms

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

John Su
QA & QC Manager