

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-09-10 18:54:56

Date of Next Testing: 2029-09-09 18:54:56

Product Name: **Isooctane**

CAS Number: 540-84-1

Grades & Purity: PureSpectra™, For spectroscopy UV-VIS

Lot #: I2609614

SKU #: **I432868**

Version: **1**

Analysis #: **763362**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	99.8-100 (%)	99.91400 %
Evaporation Residue	0-0.0002 (%)	0.00000 %
Water by Karl Fischer	0-0.005 (%)	0.00350 %
Color test (APHA)	0-10	0.00000
Acidity	0-0.0002 (eq/kg)	0.00000 eq/kg
Alkalinity Content	0-0.0002(eq/kg)	0.00000 eq/kg
Fluorescence (quinine) at 254 nm	0-1 (ppb)	0.00000 ppb
Fluorescence (quinine) at 365 nm	0-1 (ppb)	0.38332 ppb
Transmission (at 215 nm)	≥65 (%)	67.60000 %
Transmission (at 220 nm)	80-100 (%)	81.80000 %
Transmission (at 225 nm)	85-100 (%)	88.50000 %
Transmission (at 235 nm)	90-100 (%)	94.80000 %
Transmission 255 nm	99-100 (%)	99.00000 %
UV Absorbance 215nm	0-0.19	0.17000
UV Absorbance 220nm	0-0.1	0.08700
UV Absorbance 225nm	0-0.07	0.05300
UV Absorbance 235nm	0-0.05	0.02300
UV Absorbance 245nm	0-0.01	0.01000
UV Absorbance 255nm	0-0.04	0.00400
Transmission (at 205nm)	30-100 (%)	37.70000 %
Transmission 245 nm	98-100 (%)	98.00000 %
UV Absorbance 205nm	0-0.52	0.42300
Infrared spectrum	conforms to structure	Conforms to Structure

John Su

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QA & QC Manager