

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-24 17:26:52  
Date of Next Testing: 2028-07-23 17:26:52  
Product Name: **Isooctane**  
CAS Number: 540-84-1  
Specifications & Purity: PureSpectra™, For spectroscopy UV-VIS  
Lot #: G2522043  
SKU #: **I432868**  
Version: **1**  
Analysis #: **194473**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	99.8-100 (%)	99.94500 %
Evaporation Residue	0-0.0002 (%)	0.00000 %
Water by Karl Fischer	0-0.005 (%)	0.00420 %
Color test (APHA)	0-10	0.00000
Alkalinity Content	0-0.0002(eq/kg)	0.00000 eq/kg
Fluorescence (quinine) at 254 nm	0-1 (ppb)	0.75590 ppb
Fluorescence (quinine) at 365 nm	0-1 (ppb)	0.53360 ppb
Transmission (at 205nm)	30-100 (%)	42.80000 %
Transmission (at 215 nm)	65-100 (%)	74.00000 %
Transmission (at 220 nm)	80-100 (%)	83.70000 %
Transmission (at 225 nm)	85-100 (%)	89.70000 %
Transmission (at 235 nm)	90-100 (%)	95.50000 %
UV Absorbance 205nm	0-0.52	0.35600
UV Absorbance 215nm	0-0.19	0.12600
UV Absorbance 220nm	0-0.1	0.07300
UV Absorbance 225nm	0-0.07	0.04200
UV Absorbance 235nm	0-0.05	0.01400
UV Absorbance 245nm	0-0.01	0.00500
UV Absorbance 255nm	0-0.04	0.00100
Acidity	0-0.0002 (eq/kg)	0.00000 eq/kg
Transmission 245 nm	98-100 (%)	98.06000 %
Transmission 255 nm	99-100 (%)	99.02000 %
Infrared spectrum	conforms to structure	Conforms to Structure



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

John Su  
QA & QC Manager