

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2024-03-07 10:24:24
Date of Next Testing:	2028-03-06 10:24:24
Product Name:	<b>Heptane</b>
CAS Number:	142-82-5
Specifications & Purity:	for HPLC, $\geq 99\%$ (GC)
Lot #:	B24261022
SKU #	<b>H108112</b>
<b>Analysis:</b>	<b>318992</b>
Storage Temperature:	Argon charged

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.385-1.389	1.39
Fluorescence (quinine) at 365 nm	0-1 (ppb)	0.11 ppb
UV Absorbance 260nm	0-0.01	0.00
UV Absorbance 200nm	0-0.7	0.19
UV Absorbance 230nm	0-0.05	0.02
UV Absorbance 220nm	0-0.1	0.03
Purity(GC)	99-100 (%)	99.48 %
Residue on Evaporation	0-0.0003 (%)	0.00 %
UV Absorbance 210nm	0-0.4	0.05
Fluorescence (quinine) at 254 nm	0-1 (ppb)	0.10 ppb
free acid (as CH <sub>3</sub> COOH)	0-0.001 (%)	0.00 %
UV Absorbance 400nm	0-0.01	0.00
Water by Karl Fischer	0-0.01 (%)	0.01 %
UV Absorbance 245nm	0-0.01	0.01
Appearance (H108112)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



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

John Su  
QA & QC Manager