

## Certificate of Analysis

Date of Testing: 2024-01-30 16:06:34  
 Date of Next Testing: 2027-01-29 16:06:34  
 Product Name: **n-Hexane**  
 CAS Number: 110-54-3  
 Specifications & Purity: UV/VIS spectroscopy Grade  
 Lot #: A2426088  
 SKU #: **N431441**  
**Analysis:** **319021**  
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.27 %
Evaporation Residue	0-2 (ppm)	0.30 ppm
Water by Karl Fischer	0-0.005 (%)	0.00 %
Acidity	0-0.0002 (eq/kg)	0.00010 eq/kg
Alkalinity Content	0-0.0002(eq/kg)	0.00001 eq/kg
Fluorescence (as quinine at 254nm)	0-1 (ppb)	0.03100 ppb
Fluorescence (as quinine at 365nm)	0-1 (ppb)	0.21000 ppb
Transmission 210 nm	≥60 (%)	75.80 %
Transmission 195nm	≥10 (%)	20.00000 %
Transmission (at 217 nm)	≥80 (%)	82.00000 %
Transmission (at 225 nm)	≥90 (%)	100.00000 %
Transmission (from 245 nm)	≥98 (%)	98.90000 %
UV Absorbance 195nm	≤1	0.90
UV Absorbance 210nm	≤0.22	0.01
Absorbance (at 217 nm)	≤0.1	0.00300
UV Absorbance 225nm	≤0.05	0.00
Absorbance (from 245 nm)	≤0.01	0.00100
Appearance(N431441)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



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ALADDIN SCIENTIFIC CORPORATION

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

John Su  
QA & QC Manager