

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2023-07-17 10:17:52
Date of Next Testing:	2026-07-16 10:17:52
Product Name:	<b>Cyclohexane</b>
CAS Number:	110-82-7
Specifications & Purity:	UV/VIS spectroscopy Grade
Lot #:	G2310526
SKU #	<b>C431457</b>
Version	<b>1</b>
<b>Analysis #:</b>	<b>237823</b>
Storage Temperature:	Room temperature

Parameter	Limit Values	Result
Purity(GC)	99.9-100 (%)	99.97%
Evaporation Residue	0-0.0002 (%)	0.00%
Water by Karl Fischer	0-0.005 (%)	0.01%
Acidity	0-0.0002 (eq/kg)	0.00000 eq/kg
Alkalinity Content	0-0.0002(eq/kg)	0.00000 eq/kg
Fluorescence (as quinine at 254nm)	0-1 (ppb)	0.82290 ppb
Fluorescence (as quinine at 365nm)	0-1 (ppb)	0.55160 ppb
Transmission (at 208nm)	≥ 20 (%)	25.90000 %
Transmission (at 220 nm)	≥ 55 (%)	59.20000 %
Transmission (at 230 nm)	≥ 80 (%)	83.40000 %
Transmission (at 240 nm)	≥ 90 (%)	94.20000 %
Absorbance (at 208 nm)	≤ 0.70	0.56600
Absorbance (at 220 nm)	≤ 0.26	0.21400
Absorbance (at 230 nm)	≤ 0.10	0.06900
UV Absorbance 240nm	0-0.05	0.02
Absorbance (from 250 nm)	≤ 0.01	0.00400
Transmission (from 250 nm)	98-100 (%)	98.30000 %
Appearance(C431457)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su  
QA & QC Manager