

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-03 15:12:49  
 Date of Next Testing: 2025-01-23 15:12:49  
 Product Name: **n-Hexane**  
 CAS Number: 110-54-3  
 Specifications & Purity: for HPLC,  $\geq 98.0\%$ (GC)  
 Lot #: A23301241  
 SKU #: **H100107**  
**Analysis:** **170264**  
 Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
free acid (as CH <sub>3</sub> COOH)	0-0.001 (%)	0.00 %
Water by Karl Fischer	0-0.01 (%)	0.00 %
Evaporation Residue	0-0.001 (mg/L)	0.00 mg/L
Density (20°C)	0.659-0.663	0.66
Non-volatile matter	0-0.0005 (%)	0.00 %
Purity(GC)	98-100 (%)	98.14 %
Refractive index n <sub>20</sub> /D	1.374-1.376	1.38
Transmission 220 nm	80-100 (%)	86.90000 %
Transmission 200 nm	$\geq 25$ (%)	29.40 %
Transmission 210 nm	$\geq 50$ (%)	65.20 %
Transmission 245-350nm	98-100 (%)	98.70000 %
Appearance (H100107)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
$\lambda$ , H <sub>2</sub> O reference	Pass	Pass



John Su  
QA & QC Manager