

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-10-19 11:32:42

Date of Next Testing: 2027-10-18 11:32:42

Product Name: **Heptanoic acid**

CAS Number: 111-14-8

Specifications & Purity: AR, ≥98%

Lot #: J2309232

SKU #: **H103519**

Version: **2**

Analysis #: **279411**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Neutralization titration)	97.5-102.5 (%)	100.86 %
Density (20°C)	0.918-0.92	0.92
Refractive index n ₂₀ /D	1.422-1.425	1.42
Purity(GC)	98-100 (%)	98.23 %
Appearance (H103519)	Colorless Liquid	Colorless liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager