

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-07 16:16:23

Date of Next Testing: 2027-02-06 16:16:23

Product Name: **3-Carene**

CAS Number: 13466-78-9

Specifications & Purity: $\geq 90\%$ (GC)

Lot #: B2303082

SKU #: **C153246**

Version: **0**

Analysis #: **169557**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Density (20°C)	0.862-0.865	0.86400
Refractive index n ₂₀ /D	1.472-1.474	1.47250
Purity(GC)	88-100 (%)	96.77000 %
Appearance (C153246)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Stabilizer (0.01% alpha-tocopherol)	Conforms	Conforms



John Su
QA & QC Manager