

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-08 15:34:01

Date of Next Testing: 2026-08-07 15:34:01

Product Name: (-)-trans-Caryophyllene

CAS Number: 87-44-5

Specifications & Purity: $\geq 98\%$

Lot #: H2304156

SKU #: T334030

Version: 2

Analysis #: 074003

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.41 %
Appearance(T334030)	Colorless to Light yellow clear liquid	Colorless to Light yellow clear liquid
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Mass spectrum	Confirmed	Confirmed

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

John Su
QA & QC Manager