

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-28 18:28:42

Date of Next Testing: 2026-11-27 18:28:42

Product Name: **(-)-Verbenone**

CAS Number: 1196-01-6

Specifications & Purity: $\geq 95\%$ (GC)

Lot #: K2224794

SKU #: **V162981**

Version: **1**

Analysis #: **143480**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(GC)	95-100 (%)	97.56600 %
Specific optical rotation(20°C, 589 nm) (C=4, CHCl ₃)	-250~-150 (°)	-150.06000 °
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager