

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-28 18:21:53
 Date of Next Testing: 2026-11-27 18:21:53
 Product Name: (-)-Verbenone
 CAS Number: 1196-01-6
 Specifications & Purity: $\geq 95\%$ (GC)
 Lot #: K2224795
 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



John Su
QA & QC Manager