

Certificate of Analysis

Date of Testing: 2024-12-20 13:42:34
 Date of Next Testing: 2027-12-20 13:42:34
 Product Name: (-)-trans-Caryophyllene
 CAS Number: 87-44-5
 Specifications & Purity: $\geq 98\%$
 Lot #: C2214054
 SKU #: T334030
 Version: 2
 Analysis #: 452881
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.40 %
specific rotation $[\alpha]_{20/D}(c=\text{Neat})$	-12~-7 (°)	-7.60000 °
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



John Su
QA & QC Manager