

## Certificate of Analysis

Date of Testing: 2023-05-06 14:24:33

Date of Next Testing: 2026-05-05 14:24:33

Product Name: **(-)-Caryophyllene oxide**

CAS Number: 1139-30-6

Specifications & Purity:  $\geq 99.0\%$  (sum of enantiomers, GC)

Lot #: D23211406

SKU #: **C345753**

**Analysis:** **202519**

Storage Temperature: Store at 2-8°C, Protected from light, Desiccated

| Parameter                                                  | Limit Values                          | Result                                |
|------------------------------------------------------------|---------------------------------------|---------------------------------------|
| Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in CHCL}_3)$ | -73~-69 (°)                           | -71.72°                               |
| Melting point                                              | 60-63 (°C)                            | 61.51000 °C                           |
| Purity(GC)(sum of enantiomers)                             | 99-100 (%)                            | 99.10%                                |
| Appearance(C345753)                                        | Colorless or White Powder or Crystals | Colorless or White Powder or Crystals |
| NMR Spectrum 1H                                            | Conforms to Structure                 | Conforms to Structure                 |



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