

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-07-28 17:11:50

Date of Next Testing: 2027-07-27 17:11:50

Product Name: **(+)-Fenchone**

CAS Number: 4695-62-9

Specifications & Purity:  $\geq 97\%$

Lot #: G2320718

SKU #: **F111171**

Version: **0**

**Analysis #:** **216607**

Storage Temperature: Room temperature

| Parameter                           | Limit Values                     | Result                           |
|-------------------------------------|----------------------------------|----------------------------------|
| Optical purity(GC)(ee)              | 90-100 (%)                       | 98.00000 %                       |
| Purity( (sum of isomers)(GC)        | 97-100 (%)                       | 98.50000 %                       |
| Specific Rotation $[\alpha]_{20/D}$ | 55-63 (°)                        | 61.70000 °                       |
| Refractive index $n_{20/D}$         | 1.461-1.465                      | 1.46300                          |
| Density (20°C)                      | 0.945-0.948                      | 0.94510                          |
| Infrared spectrum                   | Conforms to Structure            | Conforms to Structure            |
| Appearance (F111171)                | Colorless to light yellow liquid | Colorless to light yellow liquid |



John Su  
QA & QC Manager