

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-05 13:04:42

Date of Next Testing: 2027-06-04 13:04:42

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

CAS Number: 4695-62-9

Specifications & Purity: $\geq 97\%$

Lot #: E2329105

SKU #: **F111171**

Version: **0**

Analysis #: **216604**

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 (°)	61.50000 °
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