

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-12-25 14:16:16

Date of Next Testing: 2027-12-24 14:16:16

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

CAS Number: 4695-62-9

Specifications & Purity: $\geq 97\%$

Lot #: L2321098

SKU #: **F111171**

Version: **0**

Analysis #: **299066**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Optical purity(GC)(ee)	90-100 (%)	99.48700 %
Purity((sum of isomers)(GC)	97-100 (%)	98.72600 %
Specific Rotation [a] _{20/D}	55-63 (°)	57.97700 °
Refractive index n _{20/D}	1.461-1.465	1.46210
Density (20°C)	0.945-0.948	0.94510
Appearance (F111171)	Colorless to light yellow liquid	Colorless to light yellow liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager