

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-23 11:11:30

Date of Next Testing: 2028-01-22 11:11:30

Product Name: (S)-(+)-Carvone

CAS Number: 2244-16-8

Specifications & Purity: $\geq 97\%$

Lot #: A2415110

SKU #: C107832

Version: 0

Analysis #: 242433

Storage Temperature: Protected from light, Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	97.95200 %
Density (20°C)	0.961-0.966	0.96400
Refractive index n _{20/D}	1.498-1.5	1.49890
Specific Rotation	57-62 (°)	57.08000 °
[α] _{20/D} (c=Neat)		
Appearance (C107832)	Colorless to Light Yellow or Yellow-Green Liquid	Colorless to Light Yellow or Yellow-Green Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager