

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-19 15:55:09

Date of Next Testing: 2029-08-18 15:55:09

Product Name: **(1S,3R)-(-)-Camphoric Acid**

CAS Number: 560-09-8

Specifications & Purity: $\geq 98\%$

Lot #: H2508777

SKU #: **S161035**

Version: **1**

Analysis #: **537142**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Melting point	186-190 (°C)	186.27000 °C
Purity(HPLC)	98-100 (%)	99.62900 %
Specific Rotation $[\alpha]_{20/D}(c=4 \text{ in EtOH})$	-50--46 (°)	-47.59500 °
Appearance (S161035)	White to off-white solid	White to off-white solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager