

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-14 19:18:45
 Date of Next Testing: 2029-08-13 19:18:45
 Product Name: **(1S,3R)-(-)-Camphoric Acid**
 CAS Number: 560-09-8
 Specifications & Purity: $\geq 98\%$
 Lot #: H2507644
 SKU #: **S161035**
 Version: **1**
 Analysis #: **378443**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.30000 %
Melting point	186-190 (°C)	189.00000 °C
Specific Rotation $[\alpha]_{20/D}(c=4 \text{ in EtOH})$	-50--46 (°)	-49.13400 °
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