

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-24 09:21:28

Date of Next Testing: 2029-11-23 09:21:28

Product Name: (1R,2S,5R)-(-)-Menthyl (S)-p-Toluenesulfinate

CAS Number: 1517-82-4

Specifications & Purity: ≥98%

Lot #: K2519138

SKU #: M121128

Version: 1

Analysis #: 612593

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	67.6-71.1 (%)	67.60000 %
Specific Rotation [α] ₂₀ /D(c=2 in Acetone)	-205--190 (°)	-201.59100 °
Melting point	100-106 (°C)	100.20000 °C
Purity(HPLC)	98-100 (%)	99.88400 %
Appearance (M121128)	white to off-white powder, crystals and/or chunks	white to off-white powder, crystals and/or chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager