

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-06-19 10:04:21
 Date of Next Testing: 2029-06-18 10:04:21
 Product Name: (1R,2S,5R)-(-)-Menthyl (S)-p-Toluenesulfinate
 CAS Number: 1517-82-4
 Specifications & Purity: ≥98%
 Lot #: H2131427
 SKU #: M121128
 Version: 1
 Analysis #: 525528
 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