

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-13 09:33:28
 Date of Next Testing: 2027-04-12 09:33:28
 Product Name: (-)-Menthyl Chloride
 CAS Number: 16052-42-9
 Specifications & Purity: 98%
 Lot #: D23061736
 SKU #: M157917
 Version: 1
 Analysis #: 188210

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.20000 %
specific rotation [α] ₂₀ /D(c=Neat)	-58 ~ -50 (°)	-52.10000 °
Appearance (M157917)	Colorless to Light yellow to Light Brown clear liquid	Colorless to Light yellow to Light Brown clear liquid
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager