

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-13 09:28:05

Date of Next Testing: 2027-04-12 09:28:05

Product Name: (-)-Menthyl Chloride

CAS Number: 16052-42-9

Specifications & Purity: 98%

Lot #: D23061733

SKU # M157917

Analysis: 188210

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.20 %
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

A handwritten signature in black ink that reads "John Su".John Su
QA & QC Manager