

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-04-04 14:39:12

Date of Next Testing: 2026-04-03 14:39:12

Product Name: (-)-Menthone

CAS Number: 14073-97-3

Specifications & Purity: $\geq 90\%$ (GC)

Lot #: C2226273

SKU # M158010

Version 0

Analysis #: 057952

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.448-1.451	1.45020
Specific Rotation [α] ₂₀ /D(c=Neat)	-24--15 (°)	-16.36500 °
Purity(GC)	90-100 (%)	90.17800 %
Appearance (M158010)	Colorless liquid	Colorless liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager