

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-04-15 16:00:47
Date of Next Testing: 2028-04-14 16:00:47
Product Name: **DL-Menthol**
CAS Number: 89-78-1
Specifications & Purity: 98%
Lot #: C2430096
SKU #: **M105138**
Analysis: **328777**
Storage Temperature: Store at 2-8°C

| Parameter | Limit Values | Result |
|--|---------------------------------|---------------------------------|
| Purity(GC) | 98-100 (%) | 98.26 % |
| Specific Rotation [α] ₂₀ /D(c=10 in 95% EtOH) | -2-2 (°) | 0.35 ° |
| Melting point | 32-36 (°C) | 34.50000 °C |
| Appearance (M105138) | white solid or colorless liquid | white solid or colorless liquid |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in 95% EtOH , Colorless clear(c = 1 ml/1 ml) | pass | Pass |



John Su
QA & QC Manager