

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-04-17 16:23:51  
Date of Next Testing: 2029-04-16 16:23:51  
Product Name: **DL-Menthol**  
CAS Number: 89-78-1  
Specifications & Purity: Moligand™, ≥98%  
Lot #: D2508600  
SKU #: **M105138**  
Version: **1**  
Analysis #: **484080**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.31%
Melting point	32-36 (°C)	32.10000 °C
Specific Rotation [α] <sub>20</sub> /D(c=0.2 in MeOH)	-2~2 (°) (°)	-0.66°
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