

## Certificate of Analysis

Date of Testing: 2022-07-21 11:11:41  
Date of Next Testing: 2026-07-20 11:11:41  
Product Name: **DL-Menthol**  
CAS Number: 89-78-1  
Specifications & Purity: 98%  
Lot #: G2218008  
SKU #: **M105138**  
**Analysis:** **105942**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.20%
Specific Rotation [α] <sub>20</sub> /D(c=10 in 95% EtOH)	-2-2 (°)	1.00°
Melting point	32-36 (°C)	33.60000 °C
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in 95% EtOH , Colorless clear(c = 1 ml/1 ml)	pass	Pass
Appearance (M105138)	white solid or colorless liquid	white solid or colorless liquid



John Su  
QA & QC Manager