

## Certificate of Analysis

Date of Testing: 2023-06-03 15:02:07  
Date of Next Testing: 2027-06-02 15:02:07  
Product Name: **(1R,2S,5R)-(-)-Menthol**  
CAS Number: 2216-51-5  
Specifications & Purity: 99.5%  
Lot #: E2326297  
SKU #: **M107059**  
Analysis: **098041**

Parameter	Limit Values	Result
Purity(GC)	99.5-100 (%)	99.57%
Specific Rotation [α] <sub>20</sub> /D(c=10 in EtOH)	-51--49 (°)	-49.02°
Melting point	43-45 (°C)	43.12000 °C
Appearance (M107059)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in EtOH , Colorless, Clear, 100mg/ml	pass	Pass



John Su  
QA & QC Manager