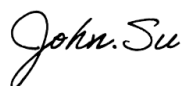


Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

Date of Testing: 2023-12-05 09:07:19  
Date of Next Testing: 2027-12-04 09:07:19  
Product Name: (1R,2S,5R)-(-)-Menthol  
CAS Number: 2216-51-5  
Specifications & Purity: 99%  
Lot #: L2301093  
SKU #: M107060  
Analysis: 301308

| Parameter                                            | Limit Values             | Result                   |
|------------------------------------------------------|--------------------------|--------------------------|
| Melting point                                        | 43-45 (°C)               | 43.37000 °C              |
| Purity(GC)                                           | 99-100 (%)               | 99.55200 %               |
| Specific Rotation [α] <sub>20</sub> /D(c=10 in EtOH) | -51--49 (°)              | -49.05000 °              |
| Appearance (M107060)                                 | 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