

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-11-02 09:33:51

Date of Next Testing: 2025-11-01 09:33:51

Product Name: **Methyl (S)-(+)-mandelate**

CAS Number: 21210-43-5

Specifications & Purity:  $\geq 98\%$

Lot #: A2224180

SKU #: **M107988**

Version: **0**

Analysis #: **291205**

Storage Temperature: Room temperature

| Parameter                                                | Limit Values             | Result                   |
|----------------------------------------------------------|--------------------------|--------------------------|
| Melting point                                            | 54-58 (°C)               | 57.93000 °C              |
| Purity(GC)                                               | 98-100 (%)               | 98.89400 %               |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in MeOH})$ | 139-148 (°)              | 147.53000 °              |
| Appearance (M107988)                                     | White Powder or Crystals | White Powder or Crystals |
| Infrared spectrum                                        | Conforms to Structure    | Conforms to Structure    |



John Su  
QA & QC Manager