

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-10 15:17:45

Date of Next Testing: 2029-10-09 15:17:45

Product Name: **D-Serine methyl ester hydrochloride**

CAS Number: 5874-57-7

Specifications & Purity:  $\geq 98\%$

Lot #: L2115755

SKU #: **S101064**

Version: **0**

Analysis #: **579191**

Storage Temperature: Room temperature

| Parameter                                                                       | Limit Values               | Result                     |
|---------------------------------------------------------------------------------|----------------------------|----------------------------|
| Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in MeOH})$                        | -5.5--4.5 (°)              | -4.51600 °                 |
| Purity(Titration by AgNO <sub>3</sub> )                                         | 97.5-102.5 (%)             | 101.03600 %                |
| Melting point                                                                   | 163-165 (°C)               | 163.02400 °C               |
| Appearance (S101064)                                                            | white powder and/or chunks | white powder and/or chunks |
| Proton NMR spectrum                                                             | Conforms to Structure      | Conforms to Structure      |
| Solubility in H <sub>2</sub> O , Colorless ,Clear ,50 mg/mL in H <sub>2</sub> O | pass                       | Pass                       |



John Su  
QA & QC Manager