

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-03-04 08:53:18

Date of Next Testing: 2030-03-03 08:53:18

Product Name: **D-Serine**

CAS Number: 312-84-5

Specifications & Purity: Moligand™, ≥98.5%

Lot #: B2624242

SKU #: **S105977**

Version: **0**

Analysis #: **254756**

Storage Temperature: Room temperature

| Parameter                                                                           | Limit Values                                  | Result                                        |
|-------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Purity(HPLC)                                                                        | 98.5-100 (%)                                  | 98.51700%                                     |
| Specific Rotation [α] <sub>20</sub> /D(c=10 in HCl(1+5))                            | -15.5--14.3 (°)                               | -14.32000°                                    |
| Appearance (S105977)                                                                | White to Off-White Solid, Powder, or Crystals | White to Off-White Solid, Powder, or Crystals |
| Proton NMR spectrum                                                                 | Conforms to Structure                         | Conforms to Structure                         |
| Solubility in H <sub>2</sub> O , clear colorless to faint yellow solution at 50mg/m | pass                                          | Pass                                          |



John Su  
QA & QC Manager