

## Certificate of Analysis

Date of Testing: 2024-05-07 16:44:01

Date of Next Testing: 2028-05-06 16:44:01

Product Name: **D-Serine**

CAS Number: 312-84-5

Specifications & Purity: >98.5%

Lot #: D2425496

SKU #: **S105977**

**Analysis: 336273**

| Parameter   | Limit Values                                  | Result  |
|---|---|---|
| Specific Rotation [α] <sub>20</sub> /D(c=10 in HCl(1+5))                            | -15.5--14.3 (°)                               | -14.32 °                                      |
| Purity(HPLC)  | 98.5-100 (%)                                  | 99.00000 %                                    |
| 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  |



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