

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-08 10:39:12

Date of Next Testing: 2029-07-07 10:39:12

Product Name: **L-Serine**

CAS Number: 56-45-1

Specifications &amp; Purity: Moligand™, ≥99%

Lot #: F2527245

SKU #: **S103483**

Version: **2**

Analysis #: **537951**

Storage Temperature: Desiccated

| Parameter                                        | Limit Values              | Result                    |
|--------------------------------------------------|---------------------------|---------------------------|
| Carbon by Elemental Analysis                     | 33.6-35 (%)               | 34.50 %                   |
| Nitrogen by Elemental Analysis                   | 13-13.6 (%)               | 13.20 %                   |
| Purity(HPLC)                                     | 99-100 (%)                | 99.50000 %                |
| Specific rotation(20°C, C = 10 in 2 M HCl, EP)   | 14.4-15.5 (°)             | 14.50100°                 |
| Appearance (S103483)                             | White to Off-White Powder | White to Off-White Powder |
| Infrared spectrum                                | Conforms to Structure     | Conforms to Structure     |
| Solubility in H2O , Colorless and clear,50 mg/mL | pass                      | Pass                      |



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QA & QC Manager