

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-01-27 16:13:20

Date of Next Testing: 2030-01-26 16:13:20

Product Name: **L-Serine**

CAS Number: 56-45-1

Specifications & Purity: Moligand™, ≥99%

Lot #: A2616649

SKU #: **S103483**

Version: **2**

Analysis #: **651996**

Storage Temperature: Room temperature, Desiccated

| Parameter                                         | Limit Values              | Result                    |
|---------------------------------------------------|---------------------------|---------------------------|
| Carbon by Elemental Analysis                      | 33.6-35 (%)               | 34.50000 %                |
| Nitrogen by Elemental Analysis                    | 13-13.6 (%)               | 13.20000 %                |
| Purity(HPLC)                                      | 99-100 (%)                | 99.50000 %                |
| Specific rotation(20°C, C = 10 in 2 M HCl, EP)    | 14.4-15.5 (°)             | 15.47800 °                |
| 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