

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-06-24 17:57:05  
Date of Next Testing: 2030-06-23 17:57:05  
Product Name: **L-O-Phosphoserine (L-SOP)**  
CAS Number: 407-41-0  
Specifications & Purity: Moligand™, ≥98%(T)  
Lot #: F2616538  
SKU #: **S161191**  
Version: **0**  
Analysis #: **712243**  
Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(Neutralization titration)	98-100 (%)	99.83000 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in 2M HCL)	15.4-16.7 (°)	16.58000 °
Appearance (S161191)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager