

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-07-19 09:42:10

Date of Next Testing: 2026-07-18 09:42:10

Product Name: **L-O-Phosphoserine**

CAS Number: 407-41-0

Specifications &amp; Purity: &gt;98.0%(T)

Lot #: 11813111

SKU #: **S161191****Analysis: 114435**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Neutralization titration)	98-100 (%)	99.20 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in 2M HCL)	15.4-16.7 (°)	15.85 °
Appearance (S161191)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

John Su  
QA & QC Manager