

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-06 16:22:54

Date of Next Testing: 2027-05-05 16:22:54

Product Name: **DL-Serine**

CAS Number: 302-84-1

Specifications & Purity: $\geq 98\%$

Lot #: D23261122

SKU #: **S108219**

Version **0**

Analysis #: **181530**

Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	13-13.6 (%)	13.51000 %
Carbon by Elemental Analysis	33.6-35 (%)	34.43000 %
Purity(Nonaqueous Titration)	98-100 (%)	99.75000 %
Appearance (S108219)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Clear Colorless ,5 mg/mL, H ₂ O	pass	Pass



John Su
QA & QC Manager