

Certificate of Analysis

Date of Testing: 2023-08-11 18:15:45

Date of Next Testing: 2027-08-10 18:15:45

Product Name: **D-Serine**

CAS Number: 312-84-5

Specifications & Purity: >98.5%

Lot #: H2309872

SKU #: **S105977**

Analysis: 254756

Parameter	Limit Values	Result
Purity(HPLC)	98.5-100 (%)	98.51700%
Specific Rotation [α] ₂₀ /D(c=10 in HCl(1+5))	-15.5--14.3 (°)	-14.32°
Appearance (S105977)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O, clear colorless to faint yellow solution at 50mg/m	pass	Pass



John Su
QA & QC Manager