

Certificate of Analysis

Date of Testing: 2023-11-29 14:52:32

Date of Next Testing: 2027-11-28 14:52:32

Product Name: **L-Alanine-15N**

CAS Number: 25713-23-9

Specifications & Purity: Abundance: 98atom%; Chemical purity: $\geq 98.5\%$

Lot #: K2324015

SKU #: **A117758**

Analysis: **104933**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity	98.5-100 (%)	99.95 %
Enrichment	98-100 (atom%)	98.17 atom%
Appearance (A117758)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
Melting point , $\geq 300^{\circ}\text{C}$	$\geq 300^{\circ}\text{C}$	$\geq 300^{\circ}\text{C}$
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager