

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-23 13:08:00

Date of Next Testing: 2026-07-22 13:08:00

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

CAS Number: 25713-23-9

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

Lot #: G2219043

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

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager