

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-29 16:13:40

Date of Next Testing: 2029-10-28 16:13:40

Product Name: **Z-L-Alanine**

CAS Number: 1142-20-7

Specifications & Purity: $\geq 98\%$

Lot #: L2106738

SKU #: **Z108996**Version: **1**Analysis #: **582355**

Parameter	Limit Values	Result
Purity (Titration by NaOH)	97.5-102.5 (%)	100.53 %
Purity(HPLC)	98-100 (%)	99.97400 %
Melting point	82-87 (°C)	86.14000 °C
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in AcOH})$	-16--13 (°)	-13.27 °
Appearance (Z108996)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
Proton NMR spectrum	Conforms to structure	Conforms to Structure

John Su
QA & QC Manager