

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 #: L2106737
 SKU #: **Z108996**
 Version: **1**
 Analysis #: **582355**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity (Titration by NaOH)	97.5-102.5 (%)	100.52600 %
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 (°)	-13.27000 °
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