

Certificate of Analysis

Date of Testing: 2023-08-14 15:37:54

Date of Next Testing: 2027-08-13 15:37:54

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

CAS Number: 1142-20-7

Specifications & Purity: 98%

Lot #: J1912085

SKU #: **Z108996**

Analysis: 263705

Parameter	Limit Values	Result
Purity (Titration by NaOH)	97.5-102.5 (%)	98.50%
Specific Rotation [α] ₂₀ /D(c=2 in AcOH)	-16--13 (°)	-13.02°
Melting point	82-87 (°C)	85.50000 °C
Purity(HPLC)	98-100 (%)	98.46200%
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