

## Certificate of Analysis

Date of Testing: 2023-03-03 16:34:11  
Date of Next Testing: 2027-03-02 16:34:11  
Product Name: **Z-D-Ala-OH**  
CAS Number: 26607-51-2  
Specifications & Purity: 96%  
Lot #: B2327253  
SKU #: **A113952**  
**Analysis:** **063080**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Melting point	83-86 (°C)	85.43000 °C
Specific Rotation [α] <sub>20</sub> /D(c=2 in AcOH)	10-20 (°)	14.94°
Purity(HPLC)	96-100 (%)	99.02400 %
Appearance (A113952Color)	White to almost white	White to almost white
Appearance (A113952Form)	Powder to crystal	Powder to crystal
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager