

## Certificate of Analysis

Date of Testing: 2023-04-05 20:13:11  
Date of Next Testing: 2026-04-04 20:13:11  
Product Name: **Z-D-Dap-OH**  
CAS Number: 62234-37-1  
Specifications & Purity: 98%  
Lot #: C2331502  
SKU #: **C304177**  
**Analysis:** **175773**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.86400 %
Specific rotation $[\alpha]_{20/D}$ (C=0.4, 1M NaOH in water)	6.8-9.8°	9.05900°
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager