

## Certificate of Analysis

Date of Testing: 2023-06-05 10:51:13

Date of Next Testing: 2027-06-04 10:51:13

Product Name: **Z-D-Pro-OH**

CAS Number: 6404-31-5

Specifications & Purity: 98%

Lot #: 11522186

SKU #: **Z110987**

**Analysis: 233846**

Parameter	Limit Values	Result
Specific Rotation [α] <sub>20</sub> /D(c=2 in EtOH)	37-43 (°)	41.00°
Purity(HPLC)	98-100 (%)	98.78700%
Purity(Neutralization titration)	98-100 (%)	98.10%
Melting point	74-78 (°C)	75.72000 °C
Appearance (Z110987)	White powder	White powder
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager