

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-06-02 13:16:57

Date of Next Testing: 2026-06-01 13:16:57

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

CAS Number: 6404-31-5

Specifications &amp; Purity: 98%

Lot #: E2230106

SKU #: **Z110987****Analysis: 080181**

Parameter	Limit Values	Result
Specific Rotation [a] <sub>D</sub> 20/D(c=2 in EtOH)	37-43 (°)	40.77°
Purity(HPLC)	98-100 (%)	98.23200 %
Purity(Neutralization titration)	98-100 (%)	98.12 %
Melting point	74-78 (°C)	76.71000 °C
Appearance (Z110987)	White powder	White powder
Proton NMR spectrum	Conforms to structure	Conforms to Structure

John Su  
QA & QC Manager