

Certificate of Analysis

Date of Testing: 2023-06-29 17:22:14
Date of Next Testing: 2027-06-28 17:22:14
Product Name: **Z-Pro-OH**
CAS Number: 1148-11-4
Specifications & Purity: 98%
Lot #: F23251257
SKU #: **Z105461**
Analysis: **222045**

Parameter	Limit Values	Result
Specific Rotation [a] _D ²⁰ (c=2 in AcOH)	-61--59 (°)	-59.44°
Melting point	75-78 (°C)	77.45000 °C
Purity(HPLC)	98-100 (%)	99.51600%
Appearance (Z105461)	White Powder or Crystals	White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager