

Certificate of Analysis

Date of Testing: 2023-01-06 14:20:23

Date of Next Testing: 2027-01-05 14:20:23

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

CAS Number: 1148-11-4

Specifications & Purity: 98%

Lot #: C1915125

SKU #: **Z105461**

Analysis: 175426

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=2 in AcOH)	-61--59 (°)	-60.20 °
Melting point	75-78 (°C)	76.60000 °C
Purity(HPLC)	98-100 (%)	98.50000 %
Appearance (Z105461)	White Powder or Crystals	White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager