

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-04-29 15:04:21

Date of Next Testing: 2026-04-28 15:04:21

Product Name: **Z-Thr-OH**

CAS Number: 19728-63-3

Specifications & Purity: 98%

Lot #: D2225033

SKU #: **Z100798****Analysis: 078261**

Parameter	Limit Values	Result
Specific Rotation [a] _D ²⁰ /D(c=2 in AcOH)	-5.08--4.18 (°)	-4.75 °
Melting point	102-105 (°C)	104.80000 °C
Purity(HPLC)	98-100 (%)	99.40200 %
Appearance (Z100798)	White Powder, Crystals and/or Chunks	White Powder, Crystals and/or Chunks
Proton NMR spectrum	Conforms to structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".John Su
QA & QC Manager