

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-06-11 14:31:22

Date of Next Testing: 2026-06-10 14:31:22

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

CAS Number: 2448-45-5

Specifications &amp; Purity: 98%

Lot #: H1801087

SKU #: **Z110986****Analysis:** **097790**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Phenylalanine	0-0.1 (%)	0.07%
Purity(Neutralization titration)	97.5-102.5 (%)	99.54%
Purity(HPLC)	98-100 (%)	98.68000%
Specific Rotation [α] <sub>20</sub> /D(c=2 in AcOH)	-9.5--3.5 (°)	-5.20°
Melting point	85-89 (°C)	87.25000 °C
Appearance (Z110986)	White powder	White powder
Proton NMR spectrum	Conforms to structure	Conforms to Structure

John Su  
QA & QC Manager