

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-01-18 08:42:23

Date of Next Testing: 2029-01-17 08:42:23

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

CAS Number: 2448-45-5

Specifications & Purity: $\geq 98\%$

Lot #: A2517532

SKU #: **Z110986**

Version: **1**

Analysis #: **369451**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(Neutralization titration)	97.5-102.5 (%)	98.11000 %
Phenylalanine	0-0.1 (%)	0.06000 %
Purity(HPLC)	98-100 (%)	98.10000 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in AcOH})$	-9.5--3.5 ($^{\circ}$)	-4.25000 $^{\circ}$
Melting point	85-89 ($^{\circ}\text{C}$)	86.40000 $^{\circ}\text{C}$
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Appearance (Z110986)	White powder	White powder



John Su
QA & QC Manager