

Certificate of Analysis

Date of Testing: 2025-01-16 14:22:25

Date of Next Testing: 2029-01-15 14:22:25

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

CAS Number: 2448-45-5

Specifications & Purity: $\geq 98\%$

Lot #: A2513612

SKU #: **Z110986**

Version: **1**

Analysis #: **369451**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(Neutralization titration)	97.5-102.5 (%)	98.11 %
Phenylalanine	0-0.1 (%)	0.06 %
Purity(HPLC)	98-100 (%)	98.10000 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in AcOH})$	$-9.5--3.5 (^{\circ})$	$-4.25 ^{\circ}$
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