

## Certificate of Analysis

Date of Testing: 2023-03-08 16:04:12

Date of Next Testing: 2027-03-07 16:04:12

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

CAS Number: 2448-45-5

Specifications & Purity: 98%

Lot #: F1912217

SKU #: **Z110986**

**Analysis:** **195755**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Phenylalanine	0-0.1 (%)	0.03%
Purity(Neutralization titration)	97.5-102.5 (%)	98.12%
Purity(HPLC)	98-100 (%)	98.31510%
Specific Rotation [α] <sub>20</sub> /D(c=2 in AcOH)	-9.5--3.5 (°)	-5.40°
Melting point	85-89 (°C)	86.61000 °C
Appearance (Z110986)	White powder	White powder
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager