

## Certificate of Analysis

Date of Testing: 2024-11-08 09:36:45

Date of Next Testing: 2028-11-07 09:36:45

Product Name: **Z-Gln-OH**

CAS Number: 2650-64-8

Specifications & Purity:  $\geq 98\%$

Lot #: A2113188

SKU #: **Z105460**

Version: **1**

Analysis #: **432892**

Parameter	Limit Values	Result
Purity(Neutralization titration)	98-100 (%)	98.40 %
Melting point	136-140 (°C)	136.10000 °C
Specific Rotation [a] <sub>20</sub> /D(c=2 in EtOH)	-8.5--6.5 (°)	-6.90 °
Appearance (Z105460)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager