

Certificate of Analysis

Date of Testing: 2022-07-15 16:54:58
Date of Next Testing: 2026-07-14 16:54:58
Product Name: **Gly-Glu**
CAS Number: 7412-78-4
Specifications & Purity: 98%
Lot #: J1421057
SKU #: **G121415**
Analysis: 113328
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=5 in H ₂ O)	-8--4 (°)	-6.51°
Purity(HPLC)	98-100 (%)	98.21500 %
Water by Karl Fischer	0-10 (%)	6.33 %
Purity(Nonaqueous Titration)(calcd.on dried substance)	97.5-102.5 (%)	98.76 %
Carbon by Elemental Analysis(anhydrous)	40.4-42 (%)	41.57 %
Nitrogen by Elemental Analysis (anhydrous)	13.4-14.1 (%)	13.76 %
Appearance (G121415)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility,colorless clear,50 mg/mL, 80% HOAc and H ₂ O	pass	Pass



John Su
QA & QC Manager