

Certificate of Analysis

Date of Testing:	2022-12-09 19:59:45
Date of Next Testing:	2026-12-08 19:59:45
Product Name:	Gly-Glu
CAS Number:	7412-78-4
Specifications & Purity:	98%
Lot #:	L2205009
SKU #	G121415
Analysis:	127542
Storage Temperature:	Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.24400 %
Water by Karl Fischer	0-10 (%)	2.74 %
Purity(Nonaqueous Titration)(calcd.on dried substance)	97.5-102.5 (%)	100.52 %
Carbon by Elemental Analysis(anhydrous)	40.4-42 (%)	40.52 %
Nitrogen by Elemental Analysis (anhydrous)	13.4-14.1 (%)	13.40 %
Specific Rotation [α] ₂₀ /D(c=5 in H ₂ O)	-8--4 (°)	-6.00°
Appearance (G121415)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility,colorless clear,50 mg/mL, 80% HOAc and H ₂ O	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager