

Certificate of Analysis

Date of Testing: 2023-12-13 14:42:25
 Date of Next Testing: 2026-12-12 14:42:25
 Product Name: **Gly-Gln monohydrate**
 CAS Number: 172669-64-6
 Specifications & Purity: 97% (HPLC)
 Lot #: C2112069
 SKU #: **G167882**
Analysis: **304007**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Water by Karl Fischer	7-10 (%)	8.02 %
Purity(HPLC)	97-100 (%)	99.28700 %
Specific rotation $[\alpha]_{20}^D(C=3, 1\text{mol/L HCl})$	-8--5 (°)	-6.12 °
Appearance (G167882Form)	Powder to crystal	Powder to crystal
Appearance (G167882Color)	White to almost white	White to almost white
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O,Colorless to Yellow,Clear to Slightly Hazy(50mg/ml)	pass	Pass



John Su
QA & QC Manager