

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-08-24 19:58:30
Date of Next Testing: 2025-08-23 19:58:30
Product Name: **Gly-Gln monohydrate**
CAS Number: 172669-64-6
Specifications & Purity: 97% (HPLC)
Lot #: H2220232
SKU #: **G167882**
Analysis: 102428
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Water by Karl Fischer	7-10 (%)	9.53 %
Purity(HPLC)	97-100 (%)	99.63500 %
Specific rotation $[\alpha]_{20}^D(C=3, 1\text{mol/L HCl})$	-8--5 (°)	-7.47 °
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