

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-30 15:22:15

Date of Next Testing: 2028-07-29 15:22:15

Product Name: **Glycyl-L-glutamine hydrate**

CAS Number: 172669-64-6

Specifications & Purity: $\geq 97\%$ (HPLC)

Lot #: G2524106

SKU #: **G167882**

Version: **0**

Analysis #: **380854**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	99.54300 %
Specific rotation $[\alpha]_{20/D}(C=3, 1\text{mol/L HCl})$	-8--5 (°)	-6.41900 °
Water by Karl Fischer	7-10 (%)	7.05870 %
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