

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-05-06 15:38:18

Date of Next Testing: 2029-05-05 15:38:18

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

CAS Number: 172669-64-6

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

Lot #: D2622309

SKU #: **G167882**

Version: **0**

Analysis #: **670523**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	99.88800 %
Water by Karl Fischer	7-10 (%)	7.00100 %
Specific rotation $[\alpha]_{20/D}(C=3, 1\text{mol/L HCl})$	-8--5 (°)	-6.83600 °
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