

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-01-15 13:49:34
 Date of Next Testing: 2028-01-15 13:49:34
 Product Name: **Glycyl-L-glutamine hydrate**
 CAS Number: 172669-64-6
 Specifications & Purity: $\geq 97\%$ (HPLC)
 Lot #: A2514169
 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