

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-31 17:00:31
 Date of Next Testing: 2026-10-30 17:00:31
 Product Name: **L-Glutamic acid monosodium salt hydrate**
 CAS Number: 6106-04-3
 Specifications & Purity: Moligand™, ≥99%
 Lot #: J2228635
 SKU #: **S108801**
 Version: **0**
 Analysis #: **142974**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.11700 %
Water by Karl Fischer	0-10 (%)	0.32140 %
Specific Rotation [α] _{20/D} (c=10 in 2mol/L HCl)	24-27 (°)	24.61600 °
Appearance (S108801)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless to Faint Yellow ,Clear,100 mg/mL	pass	Pass



John Su
QA & QC Manager