

Certificate of Analysis

Date of Testing: 2023-06-28 16:47:23

Date of Next Testing: 2027-06-27 16:47:23

Product Name: **L-Glutamic acid monosodium salt hydrate**

CAS Number: 6106-04-3

Specifications & Purity: 99%

Lot #: F2325045

SKU #: **S108801**

Analysis: **142974**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.11700 %
Water by Karl Fischer	0-10 (%)	0.32 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in } 2\text{mol/L HCl})$	24-27 (°)	24.62 °
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