

Certificate of Analysis

Date of Testing: 2024-08-19 14:22:55

Date of Next Testing: 2028-08-18 14:22:55

Product Name: **L-Glutamic acid hydrochloride**

CAS Number: 138-15-8

Specifications & Purity: 98%

Lot #: J2030037

SKU #: **G113196**

Version: **0**

Analysis #: **400926**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.66100 %
Purity(Neutralization titration)	97.5-102.5 (%)	98.13 %
Carbon by Elemental Analysis	31.9-33 (%)	32.90 %
Specific Rotation [α] _{20/D} (c=6 in H ₂ O)	22-25 (°)	22.55 °
Nitrogen by Elemental Analysis	7.3-7.9 (%)	7.32 %
Appearance (G113196)	White powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless ,Clear ,50 mg/mL in H ₂ O	pass	Pass



John Su
QA & QC Manager