

Certificate of Analysis

Date of Testing: 2022-02-11 14:50:47

Date of Next Testing: 2026-02-10 14:50:47

Product Name: **L-Glutamine t-butyl ester hydrochloride**

CAS Number: 39741-62-3

Specifications & Purity: 98%

Lot #: B2208433

SKU #: **G116977**

Analysis: **061438**

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(Titration by AgNO ₃)	97.5-102.5 (%)	99.65 %
Specific Rotation [α] ₂₅ /D(c=2 in EtOH)	12.3-13.3 (°)	13.29°
Appearance (G116977)	White powder	White powder
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Solubility in H ₂ O , Colorless,Clear,50 mg/ml H ₂ O	pass	Pass



John Su
QA & QC Manager