

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-20 11:33:56

Date of Next Testing: 2026-09-19 11:33:56

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

CAS Number: 39741-62-3

Specifications & Purity: $\geq 98\%$

Lot #: I2212003

SKU # **G116977**

Version **1**

Analysis #: **107989**

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

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25/D}(c=2 \text{ in EtOH})$	12.3-13.3 (°)	13.16800°
Purity(Titration by AgNO ₃)	97.5-102.5 (%)	100.28000 %
Appearance (G116977)	White powder	White powder
Solubility in H ₂ O , Colorless,Clear,50 mg/ml H ₂ O	pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager