

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-08 09:48:07
 Date of Next Testing: 2026-12-07 09:48:07
 Product Name: **L-Glutamine t-butyl ester hydrochloride**
 CAS Number: 39741-62-3
 Specifications & Purity: $\geq 98\%$
 Lot #: A1527060
 SKU #: **G116977**
 Version: **1**
 Analysis #: **164511**
 Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(Titration by AgNO ₃)	97.5-102.5 (%)	98.10200 %
Specific Rotation [α] ₂₅ /D(c=2 in EtOH)	12.3-13.3 (°)	12.70000 °
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