

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-02-21 18:42:42
 Date of Next Testing: 2029-02-20 18:42:42
 Product Name: **L-Glutamine**
 CAS Number: 56-85-9
 Specifications & Purity: Moligand™, ≥99%
 Lot #: B2514305
 SKU #: **G105425**
 Version: **0**
 Analysis #: **464498**
 Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	18.8-19.6 (%)	19.07000 %
Purity(HPLC)	99-100 (%)	99.77300 %
Ammonia (NH3)	0-0.2 (%)	0.20000 %
Specific Rotation [α] _{20/D} (c=4 in H ₂ O)	6.3-7.3 (°)	6.30580 °
Carbon by Elemental Analysis	40.3-41.9 (%)	40.30700 %
Appearance (G105425)	White to Off-White Powder	White to Off-White Powder
Solubility in 1 M HCl , Colorless, Clear to Slightly Hazy, 50 mg/ml	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager