

Certificate of Analysis

Date of Testing: 2022-02-24 13:12:28
Date of Next Testing: 2026-02-23 13:12:28
Product Name: **L-Glutamine**
CAS Number: 56-85-9
Specifications & Purity: 99%
Lot #: B2222456
SKU #: **G105425**
Analysis: **067371**
Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=4 in H ₂ O)	6.3-7.3 (°)	6.32°
Ammonia (NH ₃)	0-0.2 (%)	0.00%
Carbon by Elemental Analysis	40.3-41.9 (%)	41.44%
Nitrogen by Elemental Analysis	18.8-19.6 (%)	19.19%
Purity(HPLC)	99-100 (%)	99.75500%
Appearance (G105425)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1 M HCl , Colorless, Clear to Slightly Hazy, 50 mg/ml	pass	Pass



John Su
QA & QC Manager