

Certificate of Analysis

Date of Testing: 2022-09-26 19:04:52

Date of Next Testing: 2026-09-25 19:04:52

Product Name: **Ala-Gln**

CAS Number: 39537-23-0

Specifications & Purity: 98%

Lot #: I2217031

SKU # **A107409**

Analysis: **107805**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=5 in H ₂ O)	8-12 (°)	10.11°
Carbon by Elemental Analysis	43.2-45.2 (%)	43.23%
Purity(HPLC)	98-100 (%)	99.84700%
Nitrogen by Elemental Analysis	18.8-19.8 (%)	18.81%
Melting point	213-217 (°C)	216.99000 °C
Appearance (A107409)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , colorless to faint yellow clear to hazy,50mg/ml	pass	Pass



John Su
QA & QC Manager