

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-07 16:17:59

Date of Next Testing: 2028-12-06 16:17:59

Product Name: **Ala-Gln**

CAS Number: 39537-23-0

Specifications & Purity: $\geq 98\%$

Lot #: L2407029

SKU #: **A107409**

Version: **0**

Analysis #: **385770**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=5 \text{ in H}_2\text{O})}$	8-12 ($^\circ$)	10.35000 $^\circ$
Purity(HPLC)	98-100 (%)	98.15000 %
Carbon by Elemental Analysis	43.2-45.2 (%)	43.50000 %
Nitrogen by Elemental Analysis	18.8-19.8 (%)	18.90000 %
Melting point	213-217 ($^\circ\text{C}$)	214.20000 $^\circ\text{C}$
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