

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-06 11:07:47

Date of Next Testing: 2027-12-06 11:07:47

Product Name: **L-Glutamine-¹³C₅,¹⁵N₂**

CAS Number: 285978-14-5

Specifications & Purity: ≥98 atom% ¹³C, ≥98 atom% ¹⁵N

Lot #: L2405427

SKU #: **L471821**

Version: **1**

Analysis #: **441752**

Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Purity(HPLC area)	95-100 (%)	99.20000 %
Isotopic purity(¹³ C)	98-100 (%)	99.00000 %
Isotopic purity(¹⁵ N)	98-100 (%)	99.00000 %
Enantiomeric Excess	95-100 (%)	98.00000 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Appearance(L471821)	White solid	White Solid



John Su
QA & QC Manager