

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-05-07 08:58:06
Date of Next Testing: 2029-05-06 08:58:06
Product Name: **L-Glutamine-¹³C₅,¹⁵N₂**
CAS Number: 285978-14-5
Specifications & Purity: ≥98 atom% ¹³C, ≥98 atom% ¹⁵N
Lot #: D2630314
SKU #: **L471821**
Version: **1**
Analysis #: **694882**
Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Purity(HPLC area)	95-100 (%)	98.23500 %
Isotopic purity(¹³ C)	98-100 (%)	99.20000 %
Isotopic purity(¹⁵ N)	98-100 (%)	99.20000 %
Enantiomeric Excess	95-100 (%)	95.10000 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Appearance(L471821)	White solid	White Solid



John Su
QA & QC Manager