

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-06 17:33:20
Date of Next Testing: 2027-12-06 17:33:20
Product Name: **L-Glutamine-¹³C₅,¹⁵N₂**
CAS Number: 285978-14-5
Specifications & Purity: ≥99 atom% ¹³C, ≥99 atom% ¹⁵N, ≥98%
Lot #: L2405587
SKU #: **L648426**
Version: **1**
Analysis #: **441772**
Storage Temperature: Protected from light, Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.26300 %
Isotopic purity(¹³ C)	99-100 (%)	99.00000 %
Isotopic purity(¹⁵ N)	99-100 (%)	99.00000 %
Chiral purity(e.e.%)	99-100 (%)	100.00000 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager