

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-11 14:01:13
 Date of Next Testing: 2028-08-10 14:01:13
 Product Name: **L-Glutamine-¹³C₅**
 CAS Number: 184161-19-1
 Specifications & Purity: Moligand™, ≥98 atom% ¹³C, ≥95%
 Lot #: G2531029
 SKU #: **L471811**
 Version: **1**
 Analysis #: **451743**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Chemical Purity	95-100 (%)	98.00000 %
Isotopic purity(¹³ C)	98-100 (atom%)	99.00000 atom%
Water by Karl Fischer	0-0.5 (%)	0.49000 %
NMR Spectrum ¹ H	Conforms to Structure	Conforms to Structure
Appearance(L471811)	White to Off-White Solid	White to off-white solid
Carbon NMR Spectrum	conforms to structure	Conforms to Structure



John Su
QA & QC Manager