

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-02-05 13:52:20

Date of Next Testing: 2028-02-05 13:52:20

Product Name: **L-Glutamine-¹³C₅**

CAS Number: 184161-19-1

Specifications & Purity: Moligand™, ≥98 atom% ¹³C, ≥95%

Lot #: A2517330

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