

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-06-05 18:49:42
Date of Next Testing: 2027-06-05 18:49:42
Product Name: **L-Glutamine-¹³C₅**
CAS Number: 184161-19-1
Specifications & Purity: 98 atom% ¹³C, 95% (CP)
Lot #: F2403086
SKU #: **L471811**
Version: **1**
Analysis #: **361700**
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Isotopic purity(13C)	98-100 (atom%)	98.00 atom%
Chemical Purity	95-100 (%)	95.00000 %
Water by Karl Fischer	0-0.5 (%)	0.25 %
Appearance(L471811)	White to Off-White Solid	White to off-white solid
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Carbon NMR Spectrum	conforms to structure	Conforms to Structure



John Su
QA & QC Manager