

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-11-24 15:44:51

Date of Next Testing: 2026-11-23 15:44:51

Product Name: **L-Glutamine alpha-amide hydrochloride**

CAS Number: 21752-29-4

Specifications & Purity:  $\geq 98\%$

Lot #: K2320275

SKU #: **L355054**

Version: **1**

Analysis #: **294660**

Storage Temperature: Store at 2-8°C

| Parameter                                                       | Limit Values          | Result                |
|-----------------------------------------------------------------|-----------------------|-----------------------|
| Purity(HPLC area)                                               | 98-100 (%)            | 99.28600 %            |
| Specific Rotation $[\alpha]_{20/D(c=1 \text{ in H}_2\text{O})}$ | 18-22 (°)             | 18.47800 °            |
| NMR Spectrum 1H                                                 | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager