

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-03-17 18:33:35

Date of Next Testing: 2029-03-16 18:33:35

Product Name: **DL-Carnitine hydrochloride**

CAS Number: 461-05-2

Specifications & Purity:  $\geq 98\%$

Lot #: C2507314

SKU #: **C119784**

Version: **0**

Analysis #: **475729**

Storage Temperature: Argon charged

| Parameter                           | Limit Values          | Result                |
|-------------------------------------|-----------------------|-----------------------|
| Carbon by Elemental Analysis        | 41.5-43.6 (%)         | 42.54 %               |
| Purity(NonaqueousTitration)         | 97.5-102.5 (%)        | 100.59 %              |
| Nitrogen by Elemental Analysis      | 6.9-7.3 (%)           | 7.15 %                |
| Purity                              | 98-100 (%)            | 99.53 %               |
| Appearance (C119784)                | White powder          | White powder          |
| Clear colorless , 100mg/ml in water | pass                  | Pass                  |
| Infrared spectrum                   | Conforms to Structure | Conforms to Structure |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager