



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-23 13:37:53

Date of Next Testing: 2028-12-22 13:37:53

Product Name: **DL-Carnitine hydrochloride**

CAS Number: 461-05-2

Specifications & Purity: $\geq 98\%$

Lot #: L2412769

SKU #: **C119784**

Version: **0**

Analysis #: **374462**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	41.5-43.6 (%)	42.50000 %
Purity(Nonaqueous Titration)	97.5-102.5 (%)	101.33000 %
Nitrogen by Elemental Analysis	6.9-7.3 (%)	7.20000 %
Purity	98-100 (%)	98.00000 %
Appearance (C119784)	White powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Clear colorless , 100mg/ml in water	pass	Pass

John Su
QA & QC Manager