

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-04 12:00:04

Date of Next Testing: 2026-11-03 12:00:04

Product Name: **L-Carnitine hydrochloride**

CAS Number: 6645-46-1

Specifications & Purity: 98%

Lot #: J2229170

SKU #: **C119762**

Analysis: 138641

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25/D}(c=0.86 \text{ in H}_2\text{O})$	-25--21 (°)	-22.96 °
Purity(Titration by AgNO ₃)	98-102.5 (%)	101.60 %
Appearance (C119762)	White Powder and Chunks	White Powder and Chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless and clear,50 mg/mL	pass	Pass

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

John Su
QA & QC Manager