

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-14 15:34:45

Date of Next Testing: 2028-09-13 15:34:45

Product Name: **L(-)-Carnitine**

CAS Number: 541-15-1

Specifications & Purity: 98%

Lot #: I2413270

SKU #: **C105423**

Version: **1**

Analysis #: **405473**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(NonaqueousTitration)	97.5-102.5 (%)	99.28 %
Heavy metal (as Pb)	0-10 (ppm)	0.00 ppm
Specific Rotation [α] ₂₀ /D(c=1 in H ₂ O)	-33--30 (°)	-31.45 °
Loss on drying	0-1 (%)	0.10 %
Appearance (C105423)	White powder to crystal	White powder to crystal
Infrared spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager