

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-17 10:37:38

Date of Next Testing: 2026-09-16 10:37:38

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

CAS Number: 541-15-1

Specifications & Purity: 98%

Lot #: I2215144

SKU # **C105423****Analysis: 131016**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(NonaqueousTitration)	97.5-102.5 (%)	99.19 %
Heavy metal (as Pb)	0-10 (ppm)	3.60 ppm
Specific Rotation [α] ₂₀ /D(c=1 in H ₂ O)	-33--30 (°)	-31.02 °
Loss on drying	0-1 (%)	0.51 %
Sulfate Ash	0-0.1 (%)	0.03 %
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