

Certificate of Analysis

Date of Testing: 2024-05-13 08:50:51

Date of Next Testing: 2028-05-12 08:50:51

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

CAS Number: 541-15-1

Specifications & Purity: 98%

Lot #: E2408117

SKU # **C105423**

Analysis: **351713**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(NonaqueousTitration)	97.5-102.5 (%)	98.83 %
Heavy metal (as Pb)	0-10 (ppm)	1.76 ppm
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	-33--30 (°)	-31.08 °
Loss on drying	0-1 (%)	0.16 %
Sulfate Ash	0-0.1 (%)	0.07 %
Appearance (C105423)	White powder to crystal	White powder to crystal
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager