

Certificate of Analysis

Date of Testing: 2023-02-23 15:45:35

Date of Next Testing: 2027-02-22 15:45:35

Product Name: **L-Carnitine hydrochloride**

CAS Number: 6645-46-1

Specifications & Purity: 98%

Lot #: B2317152

SKU #: **C119762**

Analysis: **192455**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25}^D(c=0.86 \text{ in H}_2\text{O})$	-25--21 (°)	-23.80 °
Purity(Titration by AgNO ₃)	98-102.5 (%)	98.45 %
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



John Su
QA & QC Manager