

Certificate of Analysis

Date of Testing: 2023-06-08 10:38:44

Date of Next Testing: 2027-06-07 10:38:44

Product Name: **L-Carnitine hydrochloride**

CAS Number: 6645-46-1

Specifications & Purity: 98%

Lot #: J1519012

SKU #: **C119762**

Analysis: **237544**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25}^D(c=0.86 \text{ in H}_2\text{O})$	-25--21 (°)	-23.50 °
Purity(Titration by AgNO ₃)	98-102.5 (%)	98.78 %
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