

Certificate of Analysis

Date of Testing: 2025-05-16 14:06:11
Date of Next Testing: 2029-05-15 14:06:11
Product Name: **L-Carnitine hydrochloride**
CAS Number: 6645-46-1
Specifications & Purity: $\geq 98\%$
Lot #: G2129010
SKU #: **C119762**
Version: **1**
Analysis #: **510278**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25/D}(c=0.86 \text{ in H}_2\text{O})$	-25--21 ($^{\circ}$)	-23.00 $^{\circ}$
Purity(Titration by AgNO ₃)	98-102.5 (%)	98.70 %
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