

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-13 18:00:52

Date of Next Testing: 2026-07-12 18:00:52

Product Name: **Propionyl-L-carnitine**

CAS Number: 20064-19-1

Specifications & Purity: $\geq 94.0\%$ (HPLC)

Lot #: G2301138

SKU #: **P463318****Analysis: 233879**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC area)	94-100 (%)	94.06 %
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in H}_2\text{O})}$	-26--20 (°)	-25.79 °
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Appearance(P463318)	White to Off White Powder or Crystals	White to Off White Powder or Crystals

John Su
QA & QC Manager