

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-04-13 09:33:14

Date of Next Testing: 2029-04-12 09:33:14

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

CAS Number: 20064-19-1

Specifications & Purity: $\geq 94\%$ (HPLC)

Lot #: G2301141

SKU #: **P463318**Version: **1**Analysis #: **687234**

Storage Temperature: Store at 2-8°C

| Parameter | Limit Values | Result |
|---|---------------------------------------|---------------------------------------|
| Purity(HPLC area) | 94-100 (%) | 94.03600 % |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$ | -26--20 (°) | -25.70000 ° |
| 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