

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-03-27 16:42:46

Date of Next Testing: 2027-03-27 16:42:46

Product Name: **Lauroyl-L-carnitine**

CAS Number: 25518-54-1

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

Lot #: C2421485

SKU # **L463319**

Version **1**

**Analysis #:** **325947**

Storage Temperature: Store at -20°C

| Parameter                                                | Limit Values                          | Result                                |
|----------------------------------------------------------|---------------------------------------|---------------------------------------|
| Purity(HPLC area)                                        | 94-100 (%)                            | 99.37000 %                            |
| Water by Karl Fischer                                    | 0-10 (%)                              | 1.20000 %                             |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in MeOH})$ | -22.0~-18.0 (°)                       | -20.10000 °                           |
| Appearance(L463319)                                      | White to Off White Powder or Crystals | White to Off White Powder or Crystals |
| NMR Spectrum 1H                                          | Conforms to Structure                 | Conforms to Structure                 |



John Su  
QA & QC Manager