

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-03-27 15:47:38  
 Date of Next Testing: 2027-03-27 15:47:38  
 Product Name: **Lauroyl-L-carnitine**  
 CAS Number: 25518-54-1  
 Specifications & Purity:  $\geq 94\%$ (HPLC)  
 Lot #: C2421483  
 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