

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-09-15 10:56:09  
 Date of Next Testing: 2026-09-14 10:56:09  
 Product Name: **Decanoyl-L-carnitine**  
 CAS Number: 3992-45-8  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: I2312727  
 SKU #: **D463321**  
 Version: **1**  
 Analysis #: **269085**  
 Storage Temperature: Store at 2-8°C

| Parameter                                                         | Limit Values                          | Result                                |
|-------------------------------------------------------------------|---------------------------------------|---------------------------------------|
| Purity(HPLC area)                                                 | 98-100 (%)                            | 98.91200 %                            |
| Water by Karl Fischer                                             | 0-10 (%)                              | 3.76570 %                             |
| Specific Rotation $[\alpha]_{20/D(c=0.1 \text{ in H}_2\text{O})}$ | -18--12 (°)                           | -17.96000 °                           |
| NMR Spectrum 1H                                                   | Conforms to structure                 | Conforms to Structure                 |
| Appearance(D463321)                                               | White to Off White Powder or Crystals | White to Off White Powder or Crystals |



John Su  
QA & QC Manager