

## Certificate of Analysis

Date of Testing: 2025-06-14 10:00:19

Date of Next Testing: 2028-06-13 10:00:19

Product Name: **D-Carnitine**

CAS Number: 541-14-0

Specifications & Purity: Moligand™, ≥98%

Lot #: F2506381

SKU #: **C104549**

Version: **0**

Analysis #: **512948**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                                        | Limit Values                                      | Result                                            |
|------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------|
| Purity(HPLC)                                                     | 98-100 (%)                                        | 99.21000 %                                        |
| Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O) | 29.5-32.5 (°)                                     | 29.54°                                            |
| Carbon NMR Spectrum                                              | Conforms to Structure                             | Conforms to Structure                             |
| Proton NMR spectrum                                              | Conforms to Structure                             | Conforms to Structure                             |
| Appearance (C104549)                                             | White to Light yellow to Yellow powder to crystal | White to Light yellow to yellow powder to crystal |



John Su  
QA & QC Manager