

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-07-14 16:48:15  
 Date of Next Testing: 2024-07-13 16:48:15  
 Product Name: **N-Palmitoyl-D-sphingosine**  
 CAS Number: 24696-26-2  
 Specifications & Purity:  $\geq 99\%$   
 Lot #: G2305790  
 SKU #: **N130620**  
 Version: **1**  
 Analysis #: **220884**  
 Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

| Parameter                      | Limit Values                       | Result                             |
|--------------------------------|------------------------------------|------------------------------------|
| Purity(HPLC)                   | 99-100 (%)                         | 99.58000 %                         |
| Carbon by Elemental Analysis   | 75-76.1 (%)                        | 75.53200 %                         |
| Nitrogen by Elemental Analysis | 2.4-2.8 (%)                        | 2.59200 %                          |
| Hydrogen by Elemental Analysis | 12.2-12.8 (%)                      | 12.40300 %                         |
| Appearance (N130620)           | White to Off-White Powder or Solid | White to Off-White Powder or Solid |
| Proton NMR spectrum            | Conforms to structure              | Conforms to Structure              |



John Su  
QA & QC Manager