

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-28 16:25:10  
 Date of Next Testing: 2026-08-28 16:25:10  
 Product Name: **1,2-distearoyl-sn-glycero-3-phosphoethanolamine**  
 CAS Number: 1069-79-0  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: H2520531  
 SKU #: **D130471**  
 Version: **0**  
 Analysis #: **546183**  
 Storage Temperature: Store at  $-20^{\circ}\text{C}$

| Parameter                                                                    | Limit Values                                 | Result                                       |
|------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|
| Purity(HPLC)(CAD)                                                            | 97-100 (%)                                   | 98.00000 %                                   |
| Specific Rotation $[\alpha]_{20/D(c=0.5 \text{ in CHCL}_3:\text{AcOH}=1:1)}$ | 6-8 ( $^{\circ}$ )                           | 6.02000 $^{\circ}$                           |
| Purity(Nonaqueous Titration)                                                 | 97-100 (%)                                   | 97.85000 %                                   |
| Appearance (D130471)                                                         | White to Off-White Powder or Solid or Chunks | White to Off-White Powder or Solid or Chunks |
| Proton NMR spectrum                                                          | Conforms to Structure                        | Conforms to Structure                        |
| Solubility in CHCL <sub>3</sub> /MeOH 3/1                                    | Colorless, Clear (visual), 20 mg/ml          | Colorless, Clear (visual), 20 mg/ml          |



John Su  
QA & QC Manager