

## Certificate of Analysis

Date of Testing: 2025-01-14 08:54:20

Date of Next Testing: 2027-01-14 08:54:20

Product Name: **1,2-Dipalmitoyl-sn-Glycero-3-Phosphothioethanol (Sodium Salt)**

CAS Number: 474923-39-2

Specifications & Purity:  $\geq 99\%$

Lot #: D23131105

SKU #: **D130725**

Version: **1**

Analysis #: **462192**

Storage Temperature: Store at  $-20^{\circ}\text{C}$

| Parameter                        | Limit Values          | Result                |
|----------------------------------|-----------------------|-----------------------|
| Phosphorus by Elemental Analysis | 4-4.4 (%)             | 4.20 %                |
| Purity(HPLC)                     | 99-100 (%)            | 99.10000 %            |
| Hydrogen by Elemental Analysis   | 9.6-10.1 (%)          | 9.80 %                |
| Oxygen by Elemental Analysis     | 17.1-17.7 (%)         | 17.50 %               |
| Carbon by Elemental Analysis     | 60-61 (%)             | 60.70 %               |
| Sulfur by Elemental Analysis     | 4.1-4.6 (%)           | 4.30 %                |
| Sodium(Na)                       | 2.9-3.3 (%)           | 3.10 %                |
| Proton NMR spectrum              | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager