

## Certificate of Analysis

Date of Testing: 2023-06-13 13:03:24

Date of Next Testing: 2025-06-12 13:03:24

Product Name: **1,2-dioleoyl-sn-glycero-3-phosphoethanolamine-N-(cap biotinyl) (sodium salt)**

CAS Number: 384835-51-2

Specifications & Purity: >99%

Lot #: F2302996

SKU #: **D130733**

**Analysis:** **224441**

Storage Temperature: Store at -20°C

| Parameter                        | Limit Values          | Result                |
|----------------------------------|-----------------------|-----------------------|
| Oxygen by Elemental Analysis     | 15.6-16.1 (%)         | 15.80 %               |
| Nitrogen by Elemental Analysis   | 4.8-5.3 (%)           | 5.10 %                |
| Phosphorus by Elemental Analysis | 2.6-3 (%)             | 2.80 %                |
| Sodium by elemental analysis     | 1.9-2.3 (%)           | 2.11 %                |
| Sulfur by Elemental Analysis     | 2.7-3.1 (%)           | 2.92 %                |
| Purity(HPLC)                     | 99-100 (%)            | 99.30000 %            |
| Hydrogen by Elemental Analysis   | 9-9.5 (%)             | 9.21 %                |
| Carbon by Elemental Analysis     | 61.1-62.1 (%)         | 61.85 %               |
| Proton NMR spectrum              | Conforms to Structure | Conforms to Structure |



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