

Certificate of Analysis

Date of Testing: 2024-02-20 13:40:43

Date of Next Testing: 2026-02-19 13:40:43

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

CAS Number: 384835-51-2

Specifications & Purity: >99%

Lot #: D2227091

SKU #: **D130733**

Analysis: **321166**

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 (%)	5.12 %
Phosphorus by Elemental Analysis	2.6-3 (%)	2.80 %
Sodium by elemental analysis	1.9-2.3 (%)	2.16 %
Sulfur by Elemental Analysis	2.7-3.1 (%)	2.90 %
Purity(HPLC)	99-100 (%)	99.50000 %
Hydrogen by Elemental Analysis	9-9.5 (%)	9.32 %
Carbon by Elemental Analysis	61.1-62.1 (%)	61.80 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager