

Certificate of Analysis

Date of Testing: 2025-03-17 11:09:15

Date of Next Testing: 2027-03-17 11:09:15

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

CAS Number: 384835-51-2

Specifications & Purity: $\geq 99\%$

Lot #: F23021001

SKU #: **D130733**

Version: **0**

Analysis #: **481252**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Oxygen by Elemental Analysis	15.6-16.1 (%)	15.60 %
Nitrogen by Elemental Analysis	4.8-5.3 (%)	5.00 %
Phosphorus by Elemental Analysis	2.6-3 (%)	2.80 %
Sodium by elemental analysis	1.9-2.3 (%)	2.10 %
Sulfur by Elemental Analysis	2.7-3.1 (%)	2.90 %
Purity(HPLC)	99-100 (%)	99.30000 %
Hydrogen by Elemental Analysis	9-9.5 (%)	9.20 %
Carbon by Elemental Analysis	61.1-62.1 (%)	61.80 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager