

Certificate of Analysis

Date of Testing: 2025-03-21 09:01:54

Date of Next Testing: 2027-03-21 09:01:54

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

CAS Number: 384835-53-4

Specifications & Purity: $\geq 98.0\%$

Lot #: C2514208

SKU #: **D130736**

Version: **0**

Analysis #: **418277**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.78000 %
Hydrogen by Elemental Analysis	8.9-9.4 (%)	8.95 %
Carbon by Elemental Analysis	60.9-61.9 (%)	61.20 %
Sulfur by Elemental Analysis	3-3.4 (%)	3.10 %
Oxygen by Elemental Analysis	15.8-16.3 (%)	15.90 %
Nitrogen by Elemental Analysis	4-4.4 (%)	4.10 %
Sodium by elemental analysis	2.1-2.5 (%)	2.20 %
Phosphorus by Elemental Analysis	2.9-3.3 (%)	3.00 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager