

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-09-19 14:27:12  
Date of Next Testing: 2025-03-18 14:27:12  
Product Name: **1',3'-bis[1,2-dioleoyl-sn-glycero-3-phospho]-sn-glycerol (sodium salt)**  
CAS Number: 115404-77-8  
Specifications & Purity: >99%  
Lot #: E2423177  
SKU #: **B130226**  
Version: **0**  
Analysis #: **412728**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Oxygen by Elemental Analysis	17.7-18.3 (%)	17.80 %
Phosphorus by Elemental Analysis	3.9-4.3 (%)	4.03 %
Purity(HPLC)	99-100 (%)	99.70000 %
Hydrogen by Elemental Analysis	9.6-10.1 (%)	9.80 %
Sodium(Na)	2.8-3.3 (%)	2.90 %
Carbon by Elemental Analysis	63.9-65 (%)	64.30 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager