

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-04-25 16:56:24

Date of Next Testing: 2022-10-22 16:56:24

Product Name: **1,2-dioleoyl-sn-glycero-3-phosphate (sodium salt) (18:1 PA)**

CAS Number: 108392-02-5

Specifications & Purity: $\geq 99\%$

Lot #: L2114247

SKU #: **D130369**

Version: **0**

Analysis #: **087474**

Storage Temperature: Protected from light, Store at -20°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	63.9-65 (%)	64.34000 %
Phosphorus by Elemental Analysis	4-4.5 (%)	4.22600 %
Purity(HPLC)	99-100 (%)	99.43000 %
Hydrogen by Elemental Analysis	9.7-10.2 (%)	9.99000 %
Sodium by elemental analysis	2.9-3.4 (%)	3.14600 %
Oxygen by Elemental Analysis	17.3-17.9 (%)	17.51300 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager