

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-08-16 11:58:44

Date of Next Testing: 2023-02-12 11:58:44

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

CAS Number: 108392-02-5

Specifications & Purity: $\geq 99\%$

Lot #: H2209328

SKU #: **D130369**

Version: **0**

Analysis #: **117220**

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

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.40000 %
Carbon by Elemental Analysis	63.9-65 (%)	64.52000 %
Phosphorus by Elemental Analysis	4-4.5 (%)	4.32000 %
Hydrogen by Elemental Analysis	9.7-10.2 (%)	9.82000 %
Sodium by elemental analysis	2.9-3.4 (%)	3.02000 %
Oxygen by Elemental Analysis	17.3-17.9 (%)	17.52000 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager