

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-09-13 18:25:56  
Date of Next Testing: 2024-09-12 18:25:56  
Product Name: **dioleoylglycerol pyrophosphate (ammonium salt)**  
CAS Number: 474943-14-1  
Specifications & Purity: >99%  
Lot #: H2229263  
SKU #: **D130295**  
**Analysis: 119161**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.20000 %
Carbon by Elemental Analysis	56.7-57.7 (%)	57.06 %
Phosphorus by Elemental Analysis	7.3-7.8 (%)	7.55 %
Hydrogen by Elemental Analysis	9.6-10.1 (%)	9.71 %
Nitrogen by Elemental Analysis	3.2-3.6 (%)	3.23 %
Oxygen by Elemental Analysis	21.2-21.8 (%)	21.59 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager