

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-10-11 15:23:21  
Date of Next Testing: 2026-10-11 15:23:21  
Product Name: **1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[amino(polyethylene glycol)-2000] (ammonium salt)**  
CAS Number: 474922-26-4  
Specifications & Purity: >99%  
Lot #: F1510056  
SKU #: **D130802**  
Version: **1**  
**Analysis #:** **417806**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Hydrogen by Elemental Analysis	9.3-9.8 (%)	9.50 %
Phosphorus by Elemental Analysis	0.9-1.3 (%)	1.19 %
Oxygen by Elemental Analysis	30.5-31.2 (%)	30.60 %
Carbon by Elemental Analysis	56.1-57 (%)	56.18 %
Nitrogen by Elemental Analysis	1.3-1.7 (%)	1.50 %
Purity(Substituion-NH2)	99-100 (%)	99.48000 %
Appearance (D130802)	White to off-white solid	White to off-white solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager