

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-04-16 13:33:11  
 Date of Next Testing: 2026-04-16 13:33:11  
 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 #: G2215177  
 SKU #: **D130802**  
 Analysis: **342400**  
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Hydrogen by Elemental Analysis	9.3-9.8 (%)	9.48 %
Phosphorus by Elemental Analysis	0.9-1.3 (%)	1.08 %
Oxygen by Elemental Analysis	30.5-31.2 (%)	30.89 %
Carbon by Elemental Analysis	56.1-57 (%)	56.48 %
Nitrogen by Elemental Analysis	1.3-1.7 (%)	1.50 %
Purity(Substituion-NH2)	99-100 (%)	99.00000 %
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