

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-16 14:16:26

Date of Next Testing: 2025-06-15 14:16:26

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 #: I2107423

SKU #: **D130802**

Analysis: **242184**

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 (%)	1.10 %
Oxygen by Elemental Analysis	30.5-31.2 (%)	30.88 %
Carbon by Elemental Analysis	56.1-57 (%)	56.60 %
Nitrogen by Elemental Analysis	1.3-1.7 (%)	1.52 %
Purity(Substituion-NH2)	99-100 (%)	99.30000 %
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