

## Certificate of Analysis

Date of Testing: 2023-06-15 17:05:46  
Date of Next Testing: 2025-06-14 17:05:46  
Product Name: **1,2-dioleoyl-sn-glycero-3-[(N-(5-amino-1-carboxypentyl)iminodiacetic acid)succinyl] (nickel salt)**  
CAS Number: 231615-77-3  
Specifications & Purity: 99%  
Lot #: F2307172  
SKU #: **D130232**  
Analysis: **217836**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Nickel by Elemental Analysis	5.2-5.8 (%)	5.33 %
Nitrogen by Elemental Analysis	2.4-2.9 (%)	2.61 %
Carbon by Elemental Analysis	58.8-60.4 (%)	58.81 %
Hydrogen by Elemental Analysis	8.5-9.1 (%)	8.51 %
Oxygen by Elemental Analysis	22-22.9 (%)	22.01 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager