

16:0 PC (DPPC)

(1,2-Dipalmitoyl-sn-Glycero-3-Phosphocholine)

850355C-1g

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| | |
|--------------------------|---------------------------------------------------|
| Molecular Weight | 734.034 |
| Chemical Formula | C ₄₀ H ₈₀ NO ₈ P |
| Physical State | Chloroform |
| Storage | -20°C |
| Expiration Date | One year from date of receipt |
| M Lot Number | 5648CQE328 |
| Avanti Lot Number | 850355C-1G-E-328 |

| ANALYSIS | SPECIFICATION | RESULTS |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Physical Examination | Chloroform: Clear solution which contains no foreign matter | Pass |
| TLC | >99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot | >99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot |
| Proton NMR | NMR spectrum consistent with structure | Consistent with structure |
| FAME (GC/FID) | NLT 99% 16:0 (AUC) | 99.9% 16:0 (AUC) |
| Mass Spectroscopy | [M+H] ⁺ = 735.03 ± 1 amu | [M+H] ⁺ = 734.7 amu |

 Approved By: *Anderson Thomas*

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