

**16:0 PC (DPPC)**

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

**850355P-1g**

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|                          |   |
|--------------------------|---|
| <b>Molecular Weight</b>  | 734.034   |
| <b>Chemical Formula</b>  | C <sub>40</sub> H <sub>80</sub> NO <sub>8</sub> P |
| <b>Physical State</b>    | Powder  |
| <b>Storage</b>           | -20°C   |
| <b>Expiration Date</b>   | One year from date of receipt                     |
| <b>M Lot Number</b>      | 5648PQD328  |
| <b>Avanti Lot Number</b> | 850355P-1G-D-328                                  |

| ANALYSIS             | SPECIFICATION   | RESULTS   |
|----------------------|---|---|
| Physical Examination | <b>Powder:</b> White solid which contains no foreign matter   | Pass  |
| TLC                  | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: negative<br>Water dip: one major spot | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: negative<br>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] <sup>+</sup> = 735.03 ± 1 amu   | [M+H] <sup>+</sup> = 734.7 amu  |

 Approved By: *Anderson Thomas*

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