

**16:0 PC-d62**

**1,2-dipalmitoyl-d62-sn-glycero-3-phosphocholine**

**860355P-200mg**

**Page 1 of 1**

|                          |                                                                  |
|--------------------------|------------------------------------------------------------------|
| <b>Molecular Weight</b>  | 796.421                                                          |
| <b>Chemical Formula</b>  | C <sub>40</sub> H <sub>78</sub> NO <sub>8</sub> PD <sub>62</sub> |
| <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>      | 5890PNA065                                                       |
| <b>Avanti Lot Number</b> | 860355P-200MG-A-065                                              |

| 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 | All Pass                       |
| Proton NMR           | NMR spectrum consistent with structure                                                                                                  | Consistent with structure      |
| Mass Spectroscopy    | [M+H] <sup>+</sup> = 792.421 – 798.421 ± 1 amu<br>(Multiple peaks will be observed across this range due to proton/deuterium exchange)  | [M+H] <sup>+</sup> = 795.5 amu |

Approved by:

