

**18:0-16:0 PC**

**1-stearoyl-2-palmitoyl-sn-glycero-3-phosphocholine**

**850465P-25MG**

**Page 1 of 1**

|                          |                                                   |
|--------------------------|---------------------------------------------------|
| <b>Molecular Weight</b>  | 762.092                                           |
| <b>Chemical Formula</b>  | C <sub>42</sub> H <sub>84</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>      | 5684PJD024                                        |
| <b>Avanti Lot Number</b> | 850465P-25MG-D-024                                |

| 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 |
| FAME (GC/FID)        | NLT 50% ± 5% 18:0 (AUC)<br>NLT 50% ± 5% 16:0 (AUC)<br>NLT 99% total                                                                     | 53% 18:0 (AUC)<br>47% 16:0 (AUC)<br>100% total                                                                                          |
| Mass Spectroscopy    | [M+H] <sup>+</sup> = 763.092 ± 1 amu                                                                                                    | [M+H] <sup>+</sup> = 763.1 amu                                                                                                          |

Approved by:



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