

**16:0-18:2 PC**

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

**850458P-25mg**

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|                          |                                                   |
|--------------------------|---------------------------------------------------|
| <b>Molecular Weight</b>  | 758.06                                            |
| <b>Chemical Formula</b>  | C <sub>42</sub> H <sub>80</sub> NO <sub>8</sub> P |
| <b>Physical State</b>    | Powder                                            |
| <b>Storage</b>           | -20°C                                             |
| <b>Expiration Date</b>   | Three months from date of receipt                 |
| <b>M Lot Number</b>      | 5680PJM065                                        |
| <b>Avanti Lot Number</b> | 850458P-25MG-M-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: positive<br>Water dip: one major spot | All Pass                                       |
| UV Oxidation         | NMT 5% total all wavelengths                                                                                                            | 1% total                                       |
| FAME (GC/FID)        | 50% ± 5% 16:0 (AUC)<br>50% ± 5% 18:2 (AUC)<br>NLT 99% total                                                                             | 47% 16:0 (AUC)<br>53% 18:2 (AUC)<br>100% total |
| Mass Spectroscopy    | [M+H] <sup>+</sup> = 759.060 ± 1 amu                                                                                                    | [M+H] <sup>+</sup> = 758.8 amu                 |

Approved By: *Andriana Thomas*

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