

**Egg PE**

 L- $\alpha$ -phosphatidylethanolamine (Egg, Chicken)

**840021P-500mg**

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|                          |   |
|--------------------------|---|
| <b>Molecular Weight</b>  | 746.608 (average based on fatty acid distribution in product) |
| <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>      | 5485PPG265  |
| <b>Avanti Lot Number</b> | 840021P-500MG-G-265   |

| ANALYSIS             | SPECIFICATION  | RESULTS   |
|----------------------|--|---|
| Physical Examination | <b>Powder:</b> White solid which contains no foreign matter  | Pass  |
| TLC                  | >99% Purity<br>Ninhydrin: positive<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   | 0.85% total   |
| FAME (GC/FID)        | Consistent with historical data<br>16:0 = ~17.3%<br>16:1 = ~0.5%<br>18:0 = ~24.2%<br>18:1 = ~18.1%<br>18:2 = ~14.0%<br>20:2 = ~0.2%<br>20:3 = ~0.3%<br>20:4 = ~16.0%<br>22:6 = ~4.2% | Consistent with historical data   |
| Mass Spectroscopy*   | [M+H] <sup>+</sup> = 769.608 $\pm$ 1 amu (predominant species)<br>and<br>+NL 141 Scan: [M-141] <sup>+</sup> = 769.608 $\pm$ 1 amu (predominant species)                              | [M+H] <sup>+</sup> = 769.1 amu<br>and<br>+NL 141 Scan: [M-141] <sup>+</sup> = 768.9 amu |

\*+NL 141 Scan = Neutral Loss Scan of 141 amu



Approved By:

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