

## 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>      | 5485PPA267                                                    |
| <b>Avanti Lot Number</b> | 840021P-500MG-A-267                                           |

| ANALYSIS             | SPECIFICATION                                                                                                                                                                        | RESULTS                         |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Physical Examination | <b>Powder:</b> White solid with 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                                                                                                                                                         | 0.78% 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<br>(predominant species)                                                                                                                    | [M+H] <sup>+</sup> = 768.8 amu  |
| Proton NMR           | NMR spectrum consistent with structure                                                                                                                                               | Consistent with structure       |

Approved By:

*Melissa Liles*

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