

**Egg PC**

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

**840051-500mg**
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|                          |  |
|--------------------------|--|
| <b>Molecular Weight</b>  | 770.123 (average) / 760.076 (predominant species)                      |
| <b>Chemical Formula</b>  | C <sub>42</sub> H <sub>82</sub> NPO <sub>8</sub> (predominant species) |
| <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>      | 5508PPA621   |
| <b>Avanti Lot Number</b> | 840051P-500MG-A-621  |

| 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  |
| FAME (GC/FID)        | Consistent with historical data<br>Not specifications:<br>16:0 $\approx$ 34%<br>16:1 $\approx$ 2%<br>18:0 $\approx$ 11%<br>18:1 $\approx$ 32%<br>18:2 $\approx$ 18%<br>20:4 or 20:3 $\approx$ 3% | Consistent with historical data                                   |
| UV Oxidation         | NMT 5% total all wavelengths   | 0.73% total   |
| Mass Spectroscopy    | Consistent with historical data<br>Predominantly:<br>[M+H] <sup>+</sup> = 761.076 $\pm$ 1 amu  | Consistent with historical data<br>[M+H] <sup>+</sup> = 761.2 amu |



Approved By:

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