

**Egg PC (95%)**

 L- $\alpha$ -phosphatidylcholine (95%) (Egg, Chicken)

**131601P-1g**
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|                          |                                                                                                |
|--------------------------|------------------------------------------------------------------------------------------------|
| <b>Molecular Weight</b>  | 760.076 (predominant species)<br>770.123 (average based on fatty acid distribution in product) |
| <b>Chemical Formula</b>  | C <sub>40</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>      | 5007PQD349                                                                                     |
| <b>Avanti Lot Number</b> | 131601P-1G-D-349                                                                               |

| ANALYSIS             | SPECIFICATION                                                                                                                       | RESULTS                         |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Physical examination | <b>Powder:</b> Solid white to slight yellow powder with no foreign matter                                                           | Pass                            |
| TLC                  | >95% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: positive                          | All Pass                        |
| UV Oxidation         | NMT 5% total all wavelengths                                                                                                        | 0.54% total wavelengths         |
| FAME (GC/FID)        | Consistent with historical data<br>16:0 = ~32.7%<br>16:1 = ~1.1%<br>18:0 = ~12.3%<br>18:1 = ~32.0%<br>18:2 = ~17.1%<br>20:4 = ~2.7% | Consistent with historical data |
| Mass Spectroscopy    | [M+H] <sup>+</sup> = 761.076 $\pm$ 1 amu (predominant species)                                                                      | [M+H] <sup>+</sup> = 760.8 amu  |
| Proton NMR           | NMR spectrum consistent with structure                                                                                              | Consistent with structure       |



Approved by:

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