

## Egg PC

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


840051P-500mg

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**Molecular Weight** 770.123 (average) / 760.076 (predominant species)  
**Chemical Formula** C<sub>42</sub>H<sub>82</sub>NPO<sub>8</sub> (predominant species)  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5508PPA617  
**Avanti Lot Number** 840051P-500MG-A-617

| 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   | 0.88% total                     |
| Mass Spectroscopy    | Consistent with historical data<br>Predominantly<br>[M+H] <sup>+</sup> = 761.076 $\pm$ 1 amu   | [M+H] <sup>+</sup> = 760.8 amu  |

Approved By:



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