Egg PC  
L-α-phosphatidylcholine (Egg, Chicken)  
840051P-1g

### Molecular Weight
770.123 (average) / 760.076 (predominant species)

### Chemical Formula
C₄₂H₸₂NPO₈ (predominant species)

### Physical State
Powder

### Storage
-20°C

### Expiration Date
One year from date of receipt

### M Lot Number
5508PQB627

### Avanti Lot Number
840051P-1G-B-627

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#### ANALYSIS

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<th>SPECIFICATION</th>
<th>RESULTS</th>
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<tbody>
<tr>
<td>Physical Examination</td>
<td>Powder: White solid which contains no foreign matter</td>
<td>Pass</td>
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</tbody>
</table>
| TLC                    | >99% Purity
                         Ninhydrin: negative
                         Iodine: one major spot
                         Phosphorus: positive
                         Charring: positive
                         Water dip: one major spot | All Pass |
| FAME (GC/FID)          | Consistent with historical data
                         Not specifications:
                         16:0 ≈ 34%
                         16:1 ≈ 2%
                         18:0 ≈ 11%
                         18:1 ≈ 32%
                         18:2 ≈ 18%
                         20:4 or 20:3 ≈ 3% | Consistent with historical data |
| UV Oxidation           | NMT 5% total all wavelengths | 0.73% total |
| Mass Spectroscopy      | Consistent with historical data
                         Predominantly:
                         [M+H]⁺ = 761.076 ± 1 amu | [M+H]⁺ = 761.0 amu |
| Proton NMR             | NMR spectrum consistent with structure | Consistent with structure |

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Approved By: [Signature]

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