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

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular Weight</td>
<td>770.123 (average) / 760.076 (predominant species)</td>
<td></td>
</tr>
<tr>
<td>Chemical Formula</td>
<td>C42H82NPO8 (predominant species)</td>
<td></td>
</tr>
<tr>
<td>Physical State</td>
<td>Powder</td>
<td></td>
</tr>
<tr>
<td>Storage</td>
<td>-20°C</td>
<td></td>
</tr>
<tr>
<td>Expiration Date</td>
<td>One year from date of receipt</td>
<td></td>
</tr>
<tr>
<td>M Lot Number</td>
<td>5508PQB623</td>
<td></td>
</tr>
<tr>
<td>Avanti Lot Number</td>
<td>840051P-1G-B-623</td>
<td></td>
</tr>
</tbody>
</table>

**ANALYSIS**

- **Physical Examination**
  - **Powder**: White solid which contains no foreign matter  
    - **Results**: Pass

- **TLC**
  - >99% Purity  
    - Ninhydrin: negative  
    - Iodine: one major spot  
    - Phosphorus: positive  
    - Charring: positive  
    - Water dip: one major spot  
    - **Results**: 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%  
    - **Results**: Consistent with historical data

- **UV Oxidation**
  - NMT 5% total all wavelengths  
    - 0.83% total

- **Mass Spectroscopy**
  - Consistent with historical data  
    - Predominantly:
      - [M+H]^+ = 761.076 ± 1 amu  
    - **Results**: Consistent with historical data  
      - [M+H]^+ = 761.0 amu

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Approved By: [Signature]

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