Egg PE  
L-α-phosphatidylethanolamine (Egg, Chicken)  
840021C-25mg

<table>
<thead>
<tr>
<th>Molecular Weight</th>
<th>746.608 (average based on fatty acid distribution in product)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Chloroform</td>
</tr>
<tr>
<td>Storage</td>
<td>-20°C</td>
</tr>
<tr>
<td>Expiration Date</td>
<td>Three months from date of receipt</td>
</tr>
<tr>
<td>M Lot Number</td>
<td>5485CJI265</td>
</tr>
<tr>
<td>Avanti Lot Number</td>
<td>840021C-25MG-I-265</td>
</tr>
</tbody>
</table>

**ANALYSIS**

<table>
<thead>
<tr>
<th>Physical Examination</th>
<th>Chloroform: Clear solution with no foreign matter</th>
<th>Pass</th>
</tr>
</thead>
</table>

**TLC**

- >99% Purity
- Ninhydrin: positive
- Iodine: one major spot
- Phosphorus: positive
- Charring: positive
- Water dip: one major spot

All Pass

**UV Oxidation**

NMT 5% total all wavelengths
0.85% total

**FAME (GC/FID)**

Consistent with historical data

- 16:0 = ~17.3%
- 16:1 = ~0.5%
- 18:0 = ~24.2%
- 18:1 = ~18.1%
- 18:2 = ~14.0%
- 20:2 = ~0.2%
- 20:3 = ~0.3%
- 20:4 = ~16.0%
- 22:6 = ~4.2%

Consistent with historical data

**Mass Spectroscopy**

- \([\text{M+H}]^+ = 769.608 \pm 1 \text{ amu} \) (predominant species)
- \([\text{M+H}]^+ = 769.1 \text{ amu} \) and
- \(+\text{NL} 141 \text{ Scan: } [\text{M-141}]^+ = 768.9 \text{ amu} \) (predominant species)

**+NL 141 Scan = Neutral Loss Scan of 141 amu**

Approved By: [Signature]

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