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>5485CJD267</td>
</tr>
<tr>
<td>Avanti Lot Number</td>
<td>840021C-25MG-D-267</td>
</tr>
</tbody>
</table>

**ANALYSIS** | **SPECIFICATION** | **RESULTS**
---|---|---
Physical Examination | **Chloroform**: Clear solution with no foreign matter | Pass
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 | 0.78% 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 | $[M+H]^+ = 769.608 \pm 1$ amu (predominant species) | $[M+H]^+ = 768.8$ amu
Proton NMR | NMR spectrum consistent with structure | Consistent with structure

Approved By: [Signature]

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