Liver PI
L-α-phosphatidylinositol (Liver, Bovine) (sodium salt)

840042P-25mg

<table>
<thead>
<tr>
<th>Molecular Weight</th>
<th>902.12 (average based on fatty acid distribution in product)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Powder</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>5504PJE325</td>
</tr>
<tr>
<td>Avanti Lot Number</td>
<td>840042P-25MG-E-325</td>
</tr>
</tbody>
</table>

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**ANALYSIS**

**SPECIFICATION**

<table>
<thead>
<tr>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pass</td>
</tr>
<tr>
<td>All Pass</td>
</tr>
<tr>
<td>1% total</td>
</tr>
<tr>
<td>Consistent with historical data</td>
</tr>
</tbody>
</table>

### Physical Examination

**Powder:** White solid which contains no foreign matter

### TLC

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

### UV Oxidation

NMT 5% total all wavelengths

### FAME (GC/FID)

Consistent with historical data
- 18:0 = ~46%
- 18:1 = ~8%
- 18:2 = ~6%
- 20:3 = ~13%
- 20:4 = ~17%

### Calcium (ICP/MS)

NMT 500 ppm

### Mass Spectroscopy

- \([\text{M-Na}^-] = 886.12 \pm 1 \text{ amu (predominant species)}\)
- \([\text{M-Na}^-] = 885.9 \text{ amu (predominant species)}\)

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Approved By: [Signature]

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