Liver PI  
L-α-phosphatidylinositol (Liver, Bovine) (sodium salt)  
840042P-10mg  

**Molecular Weight**: 902.12 (average based on fatty acid distribution in product)  
**Physical State**: Powder  
**Storage**: -20°C  
**Expiration Date**: Three months from date of receipt  
**Lot Number**: 5504PIL323  
**Avanti Lot Number**: 840042P-10MG-L-323  

<table>
<thead>
<tr>
<th>ANALYSIS</th>
<th>SPECIFICATION</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Examination</td>
<td><strong>Powder</strong>: 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          |
| UV Oxidation             | NMT 5% total all wavelengths                                                  | 0.59% total      |
| **FAME (GC/FID)**        | Consistent with historical data  
18:0 = ~46%  
18:1 = ~8%  
18:2 = ~6%  
20:3 = ~13%  
20:4 = ~17% | Consistent with historical data                                              |
| Calcium (ICP/MS)         | NMT 500 ppm                                                                   | None Detected    |
| Mass Spectroscopy        | [M-Na]^{-} = 886.12 ± 1 amu (based on predominant species)                    | [M-Na]^{-} = 886.0 amu (predominant species) |

Approved By: [Signature]

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