Liver PI
L-\(\alpha\)-phosphatidylinositol (Liver, Bovine) (sodium salt)

**840042P-100mg**

**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

**M Lot Number**
5504PLB324

**Avanti Lot Number**
840042P-100MG-B-324

## ANALYSIS

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<th>SPECIFICATION</th>
<th>RESULTS</th>
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<td><strong>Physical Examination</strong></td>
<td><strong>Powder:</strong> White solid which contains no foreign matter</td>
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</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 | 0.98% 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** | \([M-Na]^+ = 886.12 \pm 1 \text{ amu} \) (predominant species) | \([M-Na]^+ = 886.0 \text{ amu} \) (predominant species) |

Approved By:

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