

## Liver PI

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

840042P-25mg

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|                          |                                                               |
|--------------------------|---------------------------------------------------------------|
| <b>Molecular Weight</b>  | 902.133 (average based on fatty acid distribution in product) |
| <b>Physical State</b>    | Powder                                                        |
| <b>Storage</b>           | -20°C                                                         |
| <b>Expiration Date</b>   | Three months from date of receipt                             |
| <b>M Lot Number</b>      | 5504PJA328                                                    |
| <b>Avanti Lot Number</b> | 840042P-25MG-A-328                                            |

| ANALYSIS             | SPECIFICATION                                                                                                                           | RESULTS                                               |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| Physical Examination | <b>Powder:</b> White solid which contains no foreign matter                                                                             | Pass                                                  |
| TLC                  | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: positive<br>Water dip: one major spot | All Pass                                              |
| Proton NMR           | NMR spectrum consistent with structure                                                                                                  | Consistent with structure                             |
| FAME (GC/FID)        | Consistent with historical data (not specification)<br>18:0 = ~46%<br>18:1 = ~8%<br>18:2 = ~6%<br>20:3 = ~13%<br>20:4 = ~17%            | Consistent with historical data                       |
| UV Oxidation         | NMT 5% total all wavelengths                                                                                                            | 0.91% total                                           |
| Calcium (ICP/MS)     | NMT 500 ppm                                                                                                                             | BLOQ                                                  |
| Mass Spectroscopy    | [M-Na] <sup>+</sup> = 886.1 ± 1 amu (predominant species)                                                                               | [M-Na] <sup>+</sup> = 885.6 amu (predominant species) |

Approved By: *Andriana Thomas*

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