

**Liver PE**
**L- $\alpha$ -phosphatidylethanolamine (Liver, Bovine)**
**840026P-25mg**
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|                          |                                                               |
|--------------------------|---------------------------------------------------------------|
| <b>Molecular Weight</b>  | 756.336 (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>      | 5489PJR122                                                    |
| <b>Avanti Lot Number</b> | 840026P-25MG-R-122                                            |

| ANALYSIS             | SPECIFICATION                                                                                                                                                                                          | RESULTS                                                                          |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Physical Examination | <b>Powder:</b> White solid which contains no foreign matter                                                                                                                                            | Pass                                                                             |
| TLC                  | >99% Purity<br>Ninhydrin: positive<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: positive<br>Water dip: one major spot                                                                | All Pass                                                                         |
| UV Oxidation         | NMT 5% total all wavelengths                                                                                                                                                                           | 2% total                                                                         |
| FAME (GC/FID)        | Consistent with historical data<br>16:0 = ~5.0%<br>16:1 = ~0.1%<br>18:0 = ~33.7%<br>18:1 = ~9.8%<br>18:2 = ~10.9%<br>18:3 = ~0.8%<br>20:3 = ~4.1%<br>20:4 = ~19.5%<br>22:6 = ~2.1%<br>Unknown = ~14.0% | Consistent with historical data                                                  |
| Mass Spectroscopy*   | [M+H] <sup>+</sup> = 769.336 $\pm$ 1 amu<br>(predominant species)<br>and<br>+NL 141 Scan: [M-141] <sup>+</sup> = 769.336 $\pm$ 1 amu<br>(predominant species)                                          | [M+H] <sup>+</sup> = 768.9 amu<br>+NL 141 Scan: [M-141] <sup>+</sup> = 769.1 amu |

\*+NL 141 Scan = Neutral Loss Scan of 141 amu

Approved By:

