

## Egg PE

L- $\alpha$ -phosphatidylethanolamine (Egg, Chicken)

840021C-25mg

Page 1 of 1

|                          |   |
|--------------------------|---|
| <b>Molecular Weight</b>  | 746.608 (average based on fatty acid distribution in product) |
| <b>Physical State</b>    | Chloroform  |
| <b>Storage</b>           | -20°C   |
| <b>Expiration Date</b>   | Three months from date of receipt                             |
| <b>M Lot Number</b>      | 5485CJD269  |
| <b>Avanti Lot Number</b> | 840021C-25MG-D-269  |

| ANALYSIS             | SPECIFICATION  | RESULTS   |
|----------------------|--|---|
| Physical Examination | Chloroform: Clear solution with 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  | >99% Purity<br>Ninhydrin: positive<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: positive<br>Water dip: one major spot |
| Proton NMR           | NMR spectrum consistent with structure   | Consistent with structure   |
| FAME (GC/FID)        | Consistent with historical data<br>16:0 = ~17.3%<br>16:1 = ~0.5%<br>18:0 = ~24.2%<br>18:1 = ~18.1%<br>18:2 = ~14.0%<br>20:2 = ~0.2%<br>20:3 = ~0.3%<br>20:4 = ~16.0%<br>22:6 = ~4.2% | Consistent with historical data   |
| UV Oxidation         | NMT 5% total all wavelengths   | 1.08% total all wavelengths   |
| Mass Spectroscopy    | [M+H] <sup>+</sup> = 769.608 $\pm$ 1 amu<br>(predominant species)  | [M+H] <sup>+</sup> = 768.6 amu<br>(predominant species)   |

Approved By:



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