

Egg PE

L- α -phosphatidylethanolamine (Egg, Chicken)

840021C-CONF

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| | |
|--------------------------|---|
| Molecular Weight | 746.608 (average based on fatty acid distribution in product) |
| Physical State | Chloroform |
| Storage | -20°C |
| Expiration Date | Three months from date of receipt |
| M Lot Number | 5485CWB271 |
| Avanti Lot Number | 840021C-CONF-B-271 |

| ANALYSIS | SPECIFICATION | RESULTS |
|----------------------|--|---|
| Physical Examination | Chloroform: Clear solution with no foreign matter | Pass |
| TLC | >99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot | >99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot |
| Proton NMR | NMR spectrum consistent with structure | Consistent with structure |
| FAME (GC/FID) | Consistent with historical data 16:0 = ~17.3% 16:1 = ~0.5% 18:0 = ~24.2% 18:1 = ~18.1% 18:2 = ~14.0% 20:2 = ~0.2% 20:3 = ~0.3% 20:4 = ~16.0% 22:6 = ~4.2% | Consistent with historical data |
| UV Oxidation | NMT 5% total all wavelengths | 0.81% total all wavelengths |
| Mass Spectroscopy | [M+H] ⁺ = 769.6 \pm 1 amu (predominant species) | [M+H] ⁺ = 768.6 amu (predominant species) |

Approved By:



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