

## Soy PE

L- $\alpha$ -phosphatidylethanolamine (Soy)

840024P-25mg

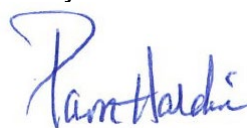
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|                          |                                                               |
|--------------------------|---------------------------------------------------------------|
| <b>Molecular Weight</b>  | 730.453 (average based on fatty acid 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>      | 5487PJL158                                                    |
| <b>Avanti Lot Number</b> | 840024P-25MG-L-158                                            |

| 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                                                                                                                                  | 0.41% total                                                                 |
| Proton NMR                  | NMR spectrum consistent with structure                                                                                                                        | Consistent with structure                                                   |
| Quantitative Phosphorus NMR | NLT 99% PE                                                                                                                                                    | 100% PE                                                                     |
| Mass Spectroscopy*          | [M+H] <sup>+</sup> = 716.453 $\pm$ 1 amu<br>(predominant species)<br>and<br>+NL 141 Scan: [M-141] <sup>+</sup> = 716.453 $\pm$ 1 amu<br>(predominant species) | [M+H] <sup>+</sup> = 716.79 amu<br>and<br>[M-141] <sup>+</sup> = 716.97 amu |

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

Approved By:



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