

## Soy PS

L- $\alpha$ -phosphatidylserine (Soy, 99%) (sodium salt)

870336P-500mg

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|                          |                                                              |
|--------------------------|--------------------------------------------------------------|
| <b>Molecular Weight</b>  | 806.01 (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>      | 6191PPB057                                                   |
| <b>Avanti Lot Number</b> | 870336P-500MG-B-057                                          |

| 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                                            |
| HNMR                 | Consistent with structure                                                                                                               | Consistent with structure                           |
| UV Oxidation         | NMT 5% total all wavelengths                                                                                                            | 0.71% total                                         |
| FAME (GC/FID)        | Consistent with historical data (not specifications):<br>16:0 = ~10%<br>18:0 = ~3%<br>18:1 = ~12%<br>18:2 = ~68%<br>18:3 = ~7%          | Consistent with historical data                     |
| Calcium (ICP/MS)     | NMT 500 ppm                                                                                                                             | 110 ppm                                             |
| Mass Spectroscopy    | [M-Na] <sup>+</sup> = 783.01 $\pm$ 1 amu (predominant species)                                                                          | [M-Na] <sup>+</sup> = 783 amu (predominant species) |

Approved By: *Meredith Bayfoot*

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