

**18:2 PS**

**1,2-dilinoleoyl-sn-glycero-3-phospho-L-serine (sodium salt)**

**840040P-25mg**

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**Molecular Weight** 805.993  
**Chemical Formula** C<sub>42</sub>H<sub>73</sub>NO<sub>10</sub>PNa  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** Three months from date of receipt  
**M Lot Number** 5503PJA033  
**Avanti Lot Number** 840040P-25MG-A-033

| ANALYSIS             | SPECIFICATION                                                                                                                           | RESULTS                          |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Physical Examination | Powder: 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                         |
| Proton NMR           | NMR spectrum consistent with structure                                                                                                  | Consistent with structure        |
| FAME (GC/FID)        | NLT 99% 18:2 (AUC)                                                                                                                      | 99.6% 18:2 (AUC)                 |
| Calcium (ICP/MS)     | NMT 500 ppm                                                                                                                             | 54 ppm                           |
| UV Oxidation         | NMT 5% total all wavelengths                                                                                                            | 0.8% total all wavelengths       |
| Mass Spectroscopy    | [M-Na] <sup>+</sup> = 782.99 ± 1 amu                                                                                                    | [M-Na] <sup>+</sup> = 782.50 amu |

Approved By:



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