

**18:1 PS (DOPS)**

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

**840035P-200mg**

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|                          |  |
|--------------------------|--|
| <b>Molecular Weight</b>  | 810.025  |
| <b>Chemical Formula</b>  | C <sub>42</sub> H <sub>77</sub> NO <sub>10</sub> PNa |
| <b>Physical State</b>    | Powder   |
| <b>Storage</b>           | -20°C  |
| <b>Expiration Date</b>   | One year from date of receipt                        |
| <b>M Lot Number</b>      | 5498PND378   |
| <b>Avanti Lot Number</b> | 840035P-200MG-D-378                                  |

| ANALYSIS             | SPECIFICATION   | RESULTS                            |
|----------------------|---|------------------------------------|
| Physical Examination | <b>Powder:</b> White solid 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 | All Pass                           |
| HNMR                 | Consistent with structure   | Consistent with structure          |
| FAME (GC/FID)        | NLT 99% 18:1 (AUC)  | 100% (AUC)                         |
| Calcium (ICP/MS)     | NMT 500 ppm   | None Detected                      |
| Mass Spectroscopy    | Negative mode:<br>[M-Na] <sup>-</sup> = 787.025 ± 1 amu<br>or<br>Positive mode:<br>[M-Na+2H] <sup>+</sup> = 789.025 ± 1 amu             | [M-Na+2H] <sup>+</sup> = 788.7 amu |

 Approved By: *Andriana Thomas*

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