

## 18:1 Lyso PS

1-oleoyl-2-hydroxy-sn-glycero-3-phospho-L-serine (sodium salt)

858143P-25mg

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|                          |                                                     |
|--------------------------|-----------------------------------------------------|
| <b>Molecular Weight</b>  | 545.579                                             |
| <b>Chemical Formula</b>  | C <sub>24</sub> H <sub>45</sub> NO <sub>9</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>      | 5859PJF041                                          |
| <b>Avanti Lot Number</b> | 858143P-25MG-F-041                                  |

| 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 | >99% Purity<br>Ninhydrin: positive<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: positive<br>Water dip: one major spot |
| FAME (GC/FID)        | NLT 99% 18:1 (AUC)                                                                                                                      | 100% (AUC)                                                                                                                              |
| Proton NMR           | NMR spectrum consistent with structure                                                                                                  | Consistent with structure                                                                                                               |
| Phosphorus NMR       | NLT 99% LPS                                                                                                                             | 99% LPS                                                                                                                                 |
| Mass Spectroscopy    | [M-Na] <sup>+</sup> = 522.579 ± 1 amu                                                                                                   | [M-Na] <sup>+</sup> = 522.4 amu                                                                                                         |
| Calcium (ICP/MS)     | NMT 500 ppm                                                                                                                             | None Detected                                                                                                                           |

Approved by:

