

## 16:0 Lyso PS

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

858142P-1mg

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|                          |   |
|--------------------------|---|
| <b>Molecular Weight</b>  | 519.542   |
| <b>Chemical Formula</b>  | C <sub>22</sub> H <sub>43</sub> NPO <sub>9</sub> Na |
| <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>      | 5858PGD013  |
| <b>Avanti Lot Number</b> | 858142P-1MG-D-013                                   |

| 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: negative<br>Water dip: one major spot | All Pass   |
| FAME (GC/FID)        | NLT 99% 16:0 (AUC)  | 100% (AUC)   |
| Proton NMR           | NMR spectrum consistent with structure  | Consistent with structure  |
| Mass Spectroscopy    | [M+H] <sup>+</sup> = 520.542 ± 1 amu<br>[M-Na+2H] <sup>+</sup> = 498.542 ± 1 amu  | [M+H] <sup>+</sup> = 520.7 amu<br>[M-Na+2H] <sup>+</sup> = 498.6 amu |
| Calcium (ICP/MS)     | NMT 500ppm  | None detected  |

Approved by:

