

**18:0 Lyso PE****1-Stearoyl-2-Hydroxy-sn-Glycero-3-Phosphoethanolamine****856715P-25mg****Page 1 of 1**

**Molecular Weight** 481.603  
**Chemical Formula** C<sub>23</sub>H<sub>48</sub>NO<sub>7</sub>P  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5790PJA045  
**Avanti Lot Number** 856715P-25MG-A-045

| 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% 18:0 (AUC)                                                                                                                      | 99.6% (AUC)                    |
| Phosphorus Assay     | 95-105% recovery phosphorus                                                                                                             | 97.5% recovery                 |
| Calcium (ICP/MS)     | NMT 500 ppm                                                                                                                             | None Detected                  |
| Proton NMR           | NMR spectrum consistent with structure                                                                                                  | Consistent with structure      |
| Mass Spectroscopy    | [M+H] <sup>+</sup> = 482.603 ± 1 amu                                                                                                    | [M+H] <sup>+</sup> = 482.5 amu |

Approved By: *Andriana Thomas*

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