

**14:0 Lyso PE****1-myristoyl-2-hydroxy-sn-glycero-3-phosphoethanolamine****856735P-25mg****Page 1 of 1**

**Molecular Weight** 425.497  
**Chemical Formula** C<sub>19</sub>H<sub>40</sub>NO<sub>7</sub>P  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5791PJE042  
**Avanti Lot Number** 856735P-25MG-E-042

| 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% 14:0 (AUC)                                                                                                                      | 99.2% (AUC)                    |
| Phosphorus Assay     | 95-105% recovery phosphorus                                                                                                             | Pass                           |
| Calcium (ICP/MS)     | NMT 500ppm                                                                                                                              | None Detected                  |
| Proton NMR           | NMR spectrum consistent with structure                                                                                                  | Consistent with structure      |
| Mass Spectroscopy    | [M+H] <sup>+</sup> = 426.497 ± 1 amu                                                                                                    | [M+H] <sup>+</sup> = 426.2 amu |



Approved By:

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