

**14:0 Lyso PC**

1-myristoyl-2-hydroxy-sn-glycero-3-phosphocholine

**855575P-25mg**

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|                          |   |
|--------------------------|---|
| <b>Molecular Weight</b>  | 467.577   |
| <b>Chemical Formula</b>  | C <sub>22</sub> H <sub>46</sub> NO <sub>7</sub> P |
| <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>      | 5775PJA050  |
| <b>Avanti Lot Number</b> | 855575P-25MG-A-050                                |

| ANALYSIS             | SPECIFICATION   | RESULTS                        |
|----------------------|---|--------------------------------|
| Physical Examination | <b>Powder:</b> White solid which contains no foreign matter.  | Pass                           |
| TLC                  | >99% Purity<br>Ninhydrin: negative<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)  | 100% (AUC)                     |
| Calcium (ICP/MS)     | NMT 500ppm Ca   | None detected                  |
| Proton NMR           | NMR spectrum consistent with structure  | Consistent with structure      |
| Mass Spectroscopy    | [M+H] <sup>+</sup> = 468.577 ± 1 amu  | [M+H] <sup>+</sup> = 468.6 amu |

Approved by:

