

## 12:0 Lyso PC

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

855475P-500mg

Page 1 of 1

|                          |                                                   |
|--------------------------|---------------------------------------------------|
| <b>Molecular Weight</b>  | 439.524                                           |
| <b>Chemical Formula</b>  | C <sub>20</sub> H <sub>42</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>      | 5773PPA049                                        |
| <b>Avanti Lot Number</b> | 855475P-500MG-A-049                               |

| ANALYSIS             | SPECIFICATION                                                                                                                           | RESULTS                        |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Physical Examination | Powder: 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                       |
| Proton NMR           | NMR spectrum consistent with structure                                                                                                  | Consistent with structure      |
| FAME (GC/FID)        | NLT 99% 12:0 (AUC)                                                                                                                      | 100% 12:0 (AUC)                |
| Phosphorus Assay     | 95 – 105% recovery                                                                                                                      | 103.5% recovery                |
| Calcium (ICP/MS)     | NMT 500 ppm                                                                                                                             | 310 ppm                        |
| Mass Spectroscopy    | [M+H] <sup>+</sup> = 440.5 ± 1 amu                                                                                                      | [M+H] <sup>+</sup> = 440.3 amu |

Approved By:



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