

## Soy PC

L- $\alpha$ -phosphatidylcholine (Soy)

840054C-500mg

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|                          |                                                               |
|--------------------------|---------------------------------------------------------------|
| <b>Molecular Weight</b>  | 775.037 (average based on fatty acid distribution in product) |
| <b>Physical State</b>    | Chloroform                                                    |
| <b>Storage</b>           | -20°C                                                         |
| <b>Expiration Date</b>   | Three months from date of receipt                             |
| <b>M Lot Number</b>      | 5511CPG151                                                    |
| <b>Avanti Lot Number</b> | 840054C-500MG-G-151                                           |

| ANALYSIS             | SPECIFICATION                                                                                                                           | RESULTS                                                                                                                                 |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Physical Examination | <b>Chloroform:</b> clear solution which contains no foreign matter                                                                      | Pass                                                                                                                                    |
| TLC                  | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: positive<br>Water dip: one major spot | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: positive<br>Water dip: one major spot |
| UV Oxidation         | NMT 5% total all wavelengths                                                                                                            | 0.54% total                                                                                                                             |
| FAME (GC/FID)        | Consistent with historical data<br>16:0 = ~14.9%<br>18:0 = ~3.7%<br>18:1 = ~11.4%<br>18:2 = ~63.0%<br>18:3 = ~5.7%                      | Consistent with historical data                                                                                                         |
| Proton NMR           | NMR spectrum consistent with structure                                                                                                  | Consistent with structure                                                                                                               |
| Mass Spectroscopy    | 36:4 = 782.5 $\pm$ 1 amu<br>34:2 = 758.5 $\pm$ 1 amu<br>(predominant species)                                                           | 36:4 = 782.9 amu<br>34:2 = 758.7 amu<br>(predominant species)                                                                           |

Approved By: *Anderson Thomas*

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