

**Hydro Soy PC**

 L- $\alpha$ -phosphatidylcholine, hydrogenated (Soy)

**840058-200mg**

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|                          |   |
|--------------------------|---|
| <b>Molecular Weight</b>  | 783.774 (average based on fatty acid distribution in product) |
| <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>      | 5513PNA039  |
| <b>Avanti Lot Number</b> | 840058P-200MG-A-039   |

| 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   |
| UV Oxidation         | NMT 5% total all wavelengths  | 0.03% total  |
| FAME (GC/FID)        | Consistent with historical data (not specifications):<br>16:0 = ~11.4%<br>18:0 = ~88.6%   | Consistent with historical data                      |
| Proton NMR           | NMR spectrum consistent with reference structure  | Consistent with structure                            |
| Mass Spectroscopy    | [M+H] <sup>+</sup> = 791.0 $\pm$ 1 amu (predominant species)  | [M+H] <sup>+</sup> = 790.9 amu (predominant species) |

Approved By:



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