

**Soy PA**

 L- $\alpha$ -phosphatidic acid (Soy) (sodium salt)

**840074P-25mg**

Page 1 of 1

|                          |                                    |
|--------------------------|------------------------------------|
| <b>Molecular Weight</b>  | 711.769 (average molecular weight) |
| <b>Physical State</b>    | Powder                             |
| <b>Storage</b>           | -20°C                              |
| <b>Expiration Date</b>   | Three months from date of receipt  |
| <b>M Lot Number</b>      | 5524PJU033                         |
| <b>Avanti Lot Number</b> | 840074P-25MG-U-033                 |

| 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: positive<br>Water dip: one major spot | All Pass                        |
| UV Oxidation         | NMT 5% total all wavelengths  | 4.71% total                     |
| FAME (GC/FID)        | Consistent with historical data<br>16:0 = ~11.7%<br>18:0 = ~3.4%<br>18:1 = ~12.6%<br>18:2 = ~66.1%<br>18:3 = ~6.1%                      | Consistent with historical data |
| Calcium (ICP/MS)     | NMT 500 ppm   | None Detected                   |
| Mass Spectroscopy    | [M-Na] <sup>-</sup> = 647.87 ± 1 amu (16:0 – 18:2 PA)<br>[M-Na] <sup>-</sup> = 695.92 ± 1 amu (18:2 PA)<br>(predominant species)        | [M-Na] <sup>-</sup> = 695.7 amu |

 Approved By: *Andriana Thomas*

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