

## Brain PE

L- $\alpha$ -phosphatidylethanolamine (Brain, Porcine)

840022C-25mg

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|                          |                                                               |
|--------------------------|---------------------------------------------------------------|
| <b>Molecular Weight</b>  | 768.610 (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>      | 5486CJV291                                                    |
| <b>Avanti Lot Number</b> | 840022C-25MG-V-291                                            |

| ANALYSIS             | SPECIFICATION                                                                                                                                                                                                       | RESULTS                            |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Physical Examination | <b>Chloroform:</b> Clear solution with no foreign matter                                                                                                                                                            | Pass                               |
| TLC                  | >99% Purity<br>Ninhydrin: positive<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                                                                                                                                                                                        | 0% total                           |
| FAME (GC/FID)        | Consistent with historical data<br>16:0 = ~3.7%<br>16:1 = ~0.6%<br>18:0 = ~15.9%<br>18:1 = ~24.1%<br>18:2 = ~0.4%<br>20:1 = ~2.3%<br>20:2 = ~0.6%<br>20:3 = ~0.6%<br>20:4 = ~18.6%<br>22:1 = ~0.5%<br>22:6 = ~11.5% | Consistent with historical data    |
| Mass Spectroscopy    | [M+H] <sup>+</sup> = 728.610 $\pm$ 1 amu<br>(predominant species)<br>and<br>+NL 141 Scan: [M-141] <sup>+</sup> = 728.610 $\pm$ 1 amu<br>(predominant species)                                                       | 729.0 amu<br>(predominant species) |

\*+NL 141 Scan = Neutral Loss Scan of 141 amu

Approved By:



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