

**Brain PC**L- $\alpha$ -phosphatidylcholine (Brain, Porcine)**840053C-200mg****Page 1 of 1**

**Molecular Weight** 770.935 (average based on fatty acid distribution in product)  
**Physical State** Chloroform  
**Storage** -20°C  
**Expiration Date** Three months from date of receipt  
**M Lot Number** 5510CNI089  
**Avanti Lot Number** 840053C-200MG-I-089

| ANALYSIS             | SPECIFICATION                                                                                                                                                                                      | RESULTS                         |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Physical Examination | <b>Chloroform:</b> Clear solution with 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                                                                                                                                                                       | 0.20% total                     |
| FAME (GC/FID)        | Consistent with historical data<br>14:0 = ~0.3%<br>16:0 = ~30.6%<br>16:1 = ~0.9%<br>18:0 = ~16.5%<br>18:1 = ~33.3%<br>18:2 = ~1.1%<br>20:1 = ~0.8%<br>20:3 = ~0.2%<br>20:4 = ~3.1%<br>22:6 = ~0.6% | Consistent with historical data |
| Mass Spectroscopy    | [M+H] <sup>+</sup> = 771.935 $\pm$ 1 amu<br>(predominant species)                                                                                                                                  | Pass                            |



Approved By:

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