Brain PS
L-α-phosphatidylserine (Brain, Porcine) (sodium salt)
840032P-25mg

Molecular Weight 824.966 (average based on fatty acid distribution in product)
Physical State Powder
Storage -20°C
Expiration Date Three months from date of receipt
M Lot Number 5495PJC824
Avanti Lot Number 840032P-25MG-C-824

<table>
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<th>ANALYSIS</th>
<th>SPECIFICATION</th>
<th>RESULTS</th>
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<td>Physical Examination</td>
<td><strong>Powder:</strong> White solid which contains no foreign matter</td>
<td>Pass</td>
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</table>
| TLC                    | >99% Purity
Ninhydrin: positive
Iodine: one major spot
Phosphorus: positive
Charring: positive
Water dip: one major spot                                      | All Pass                  |
| UV Oxidation           | NMT 5% total all wavelengths                                                  | 0.84% total              |
| Calcium (ICP/MS)       | NMT 500ppm                                                                    | None Detected            |
| FAME (GC/FID)          | Consistent with historical data
18:0 = ~42%
18:1 = ~30%
20:4 = ~2%
22:6 = ~11%
Unknown = 15%                                               | Consistent with historical data |
| Mass Spectroscopy*     | [\(M-\text{Na}\)] = 788.966 ± 1 amu
or
\([M-\text{Na}+2\text{H}]^+ = 790.966 ± 1\ amu\) (predominant species)
and
-NL 87 Scan: \([M-87] = 788.966 ± 1\ amu\) (predominant species) | \([M-\text{Na}] = 789.0\ amu\) |

*NL 87 Scan = Neutral Loss Scan of 87 amu

Approved By: [Signature]

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