

Brain Lyso PS

L- α -lysophosphatidylserine (Brain, Porcine) (sodium salt)

850092P-10mg

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|--------------------------|---|
| Molecular Weight | 547.170 (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 | 5584PIA046 |
| Avanti Lot Number | 850092P-10MG-A-046 |

| ANALYSIS | SPECIFICATION | RESULTS |
|----------------------|--|---|
| Physical Examination | Powder: White solid which contains no foreign matter | Pass |
| 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 | 0.75% total |
| FAME (GC/FID) | Consistent with historical data 16:0 = ~1% 18:0 = ~90% 18:1 = ~4% | Consistent with historical data |
| Proton NMR | NMR spectrum consistent with reference spectrum | Consistent with spectrum |
| Mass Spectroscopy | Positive mode: [M-Na+2H] ⁺ = 526.170 ± 1 amu (predominant species) or Negative mode: [M-Na] ⁻ = 524.17 ± 1 amu (predominant species) | Positive mode: [M-Na+2H] ⁺ = 526.6 or Negative mode: [M-Na] ⁻ = 524.3 |
| Phosphorus Assay | 95-105% recovery phosphorus | 97.2% recovery |
| Calcium (ICP/MS) | NMT 500 ppm | 182.09 ppm |

Approved By: *Anderson Thomas*

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