

## Brain Lyso PS

L- $\alpha$ -lysophosphatidylserine (Brain, Porcine) (sodium salt)

850092P-10mg

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<b>Molecular Weight</b>	547.170 (average based on fatty acid distribution in product)
<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>	5584PIA045
<b>Avanti Lot Number</b>	850092P-10MG-A-045

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> 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	3% 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] <sup>+</sup> = 526.170 $\pm$ 1 amu (predominant species) or Negative mode: [M-Na] <sup>-</sup> = 524.17 $\pm$ 1 amu (predominant species)	[M-Na] <sup>-</sup> = 524.4 amu
Phosphorus Assay	95-105% recovery phosphorus	98% recovery
Calcium (ICP/MS)	NMT 500 ppm	None Detected

Approved By: *Anderson Thomas*

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