

## Brain PS

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

840032P-500mg

Page 1 of 1

<b>Molecular Weight</b>	824.966 (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>	5495PPA840
<b>Avanti Lot Number</b>	840032P-500MG-A-840

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	>99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
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
UV Oxidation	NMT 5% total all wavelengths	0.31% total
Calcium (ICP/MS)	NMT 500 ppm	45 ppm
Mass Spectroscopy	[M-Na] <sup>+</sup> = 789.0 $\pm$ 1 amu	[M-Na] <sup>+</sup> = 788.5 amu

Approved By:



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