

Brain PS

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

840032P-500mg

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Molecular Weight	824.966 (average based on fatty acid distribution in product)
Physical State	Powder
Storage	-20°C
Expiration Date	3 Months from date of receipt
M Lot Number	5495PPB822
Avanti Lot Number	840032P-500MG-B-822

ANALYSIS	SPECIFICATION	SOP
Physical examination	Powder: White solid with 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	0.36% Total all wavelengths
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-Na] ⁻ = 788.966 ± 1 amu or [M-Na+2H] ⁺ = 790.966 ± 1 amu (predominant species) and -NL 87 Scan: [M-87] ⁻ = 788.966 ± 1 amu (predominant species)	[M-Na] ⁻ = 788.6 amu

*-NL 87 Scan = Neutral Loss Scan of 87 amu

Approved by:

