

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	Three months from date of receipt
M Lot Number	5495PPA841
Avanti Lot Number	840032P-500MG-A-841

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	>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% 20:3 or 20:4 = ~2% 22:6 = ~11% Unknown = ~15%	Consistent with historical data
UV Oxidation	NMT 5% total all wavelengths	0.6% total
Calcium (ICP/MS)	NMT 500 ppm	BLOQ
Mass Spectroscopy	[M-Na] ⁺ = 789.0 $\pm$ 1 amu (predominant species)	[M-Na] ⁺ = 788.6 amu (predominant species)

Approved By:



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