

Brain PS

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

840032P-25mg

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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	5495PJB837
Avanti Lot Number	840032P-25MG-B-837

ANALYSIS	SPECIFICATION	RESULTS
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	0.83% total
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
Proton NMR	Run and Report	Consistent with structure
Mass Spectroscopy	[M-Na] ⁺ = 788.966 $\pm$ 1 amu	[M-Na] ⁺ = 788.8 amu
Calcium (ICP/MS)	NMT 500ppm	40.4 ppm

Approved By: *Anderson Thomas*

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