

Brain PS
L- α -phosphatidylserine (Brain, Porcine) (sodium salt)
840032P-500mg
Page 1 of 1

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	5495PPD828
Avanti Lot Number	840032P-500MG-D-828

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	All Pass
UV Oxidation	NMT 5% total all wavelengths	0.42% total
Calcium (ICP/MS)	NMT 500 ppm	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] ⁻ = 789.1 amu

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

Approved By:



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