

Brain Lyso PS

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

850092P-10mg

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Molecular Weight	547.170 (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	5584PIA047
Avanti Lot Number	850092P-10MG-A-047

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	0.57% total
FAME (GC/FID)	Consistent with historical data 16:0 = ~1% 18:0 = ~90% 18:1 = ~4%	Consistent with historical data
Proton NMR	NMR spectrum consistent with reference spectrum	Consistent with spectrum
Mass Spectroscopy	Positive mode: [M-Na+2H] ⁺ = 526.170 \pm 1 amu (predominant species) or Negative mode: [M-Na] ⁻ = 524.17 \pm 1 amu (predominant species)	Positive mode: [M-Na+2H] ⁺ = 527.1
Quantitative Phosphorus NMR	Run and Report	98.39% total LPS 97.3% recovery
Calcium (ICP/MS)	NMT 500 ppm	147.3 ppm

Approved By: *Anderson Thomas*

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