

**Brain PS**
**L- $\alpha$ -phosphatidylserine (Brain, Porcine) (sodium salt)**
**840032P-10mg**
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<b>Molecular Weight</b>	824.966 (average based on fatty acid distribution in product)
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	Three months from date of receipt
<b>M Lot Number</b>	5495PID828
<b>Avanti Lot Number</b>	840032P-10MG-D-828

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> 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] <sup>-</sup> = 788.966 ± 1 amu or [M-Na+2H] <sup>+</sup> = 790.966 ± 1 amu (predominant species) and -NL 87 Scan: [M-87] <sup>-</sup> = 788.966 ± 1 amu (predominant species)	[M-Na] <sup>-</sup> = 789.1 amu

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

Approved By:



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