

**Brain PE**
**L- $\alpha$ -phosphatidylethanolamine (Brain, Porcine)**
**840022P-25mg**
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<b>Molecular Weight</b>	768.610 (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>	5486PJC291
<b>Avanti Lot Number</b>	840022P-25MG-C-291

ANALYSIS	SPECIFICATION	SOP
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	0.46% total all wavelengths
FAME (GC/FID)	Consistent with historical data 16:0 = ~3.7% 16:1 = ~0.6% 18:0 = ~15.9% 18:1 = ~24.1% 18:2 = ~0.4% 20:1 = ~2.3% 20:2 = ~0.6% 20:3 = ~0.6% 20:4 = ~18.6% 22:1 = ~0.5% 22:6 = ~11.5%	Consistent with historical data
Mass Spectroscopy*	[M+H] <sup>+</sup> = 728.610 $\pm$ 1 amu (predominant species) and +NL 141 Scan: [M-141] <sup>+</sup> = 728.610 $\pm$ 1 amu (predominant species)	729.0 amu (predominant species)

Approved by:

