

Brain PE

L- α -phosphatidylethanolamine (Brain, Porcine)

840022C-25mg

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Molecular Weight 768.610 (average based on fatty acid distribution)
Physical State Chloroform
Storage -20°C
Expiration Date Three months from date of receipt
M Lot Number 5486CJA292
Avanti Lot Number 840022C-25MG-A-292

ANALYSIS	SPECIFICATION	SOP
Physical examination	Chloroform: Clear solution with no foreign matter	Pass
TLC	>99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	>99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
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
UV Oxidation	NMT 5% total all wavelengths	0.43% total all wavelengths
Mass Spectroscopy	[M+H] ⁺ = 728.61 $\pm$ 1 amu (predominant species)	[M+H] ⁺ = 728.56 amu (predominant species)

Approved by:



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