

Heart PE

L- α -phosphatidylethanolamine (Heart, Bovine)

840025C-25mg

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Molecular Weight	763.968 (average based on fatty acid distribution in product)
Physical State	Chloroform
Storage	-20°C
Expiration Date	Three months from date of receipt
M Lot Number	5488CJP151
Avanti Lot Number	840025C-25MG-P-151

ANALYSIS	SPECIFICATION	RESULTS
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	All Pass
UV Oxidation	NMT 5% total all wavelengths	2.14% total
FAME (GC/FID)	Consistent with historical data 16:0 = ~1.4% 18:0 = ~29.2% 18:1 = ~3.1% 18:2 = ~20.1% 18:3 = ~0.1% 20:2 = ~0.5% 20:3 = ~3.6% 20:4 = ~36.2% 22:6 = ~1.8% Unknown = 4.1%	Consistent with historical data
Mass Spectroscopy*	[M+H] ⁺ = 764.968 $\pm$ 1 amu (predominant species) and +NL 141 Scan: [M-141] ⁺ = 764.968 $\pm$ 1 amu (predominant species)	Consistent with structure

*+NL 141 Scan = Neutral Loss Scan of 141 amu

Approved By: *Anderson Thomas*

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