

## Heart PE

L- $\alpha$ -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** 5488CJI151  
**Avanti Lot Number** 840025C-25MG-I-151

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Chloroform:</b> 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] <sup>+</sup> = 764.968 ± 1 amu (predominant species) and +NL 141 Scan: [M-141] <sup>+</sup> = 764.968 ± 1 amu (predominant species)	Consistent with structure

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

Approved By:



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