

**Heart PE**
**L- $\alpha$ -phosphatidylethanolamine (Heart, Bovine)**
**840025P-25mg**
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<b>Molecular Weight</b>	763.968 (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>	5488PJD149
<b>Avanti Lot Number</b>	840025P-25MG-D-149

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	0.87% total all wavelengths
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)	[M+H] <sup>+</sup> = 769.0. amu (predominant species) and +NL 141 Scan: [M-141] <sup>+</sup> = 768.8 amu (predominant species)

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

Approved By:

