

**Heart PE**

 L- $\alpha$ -phosphatidylethanolamine (Heart, Bovine)

**840025P-200mg**

Page 1 of 1

<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>	5488PNC150
<b>Avanti Lot Number</b>	840025P-200MG-C-150

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	0.89% 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 $\pm$ 1 amu (predominant species) and +NL 141 Scan: [M-141] <sup>+</sup> = 764.968 $\pm$ 1 amu (predominant species)	Pass

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

Approved By:



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