

**Soy PA**

 L- $\alpha$ -phosphatidic acid (Soy) (sodium salt)

**840074P-25mg**

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<b>Molecular Weight</b>	711.769 (average molecular weight)
<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>	5524PJN033
<b>Avanti Lot Number</b>	840074P-25MG-N-033

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter	Pass
TLC	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
UV Oxidation	NMT 5% total all wavelengths	4.71% total
FAME (GC/FID)	Consistent with historical data 16:0 = ~11.7% 18:0 = ~3.4% 18:1 = ~12.6% 18:2 = ~66.1% 18:3 = ~6.1%	Consistent with historical data
Calcium (ICP/MS)	NMT 500 ppm	None Detected
Mass Spectroscopy	[M-Na] <sup>-</sup> = 647.87 ± 1 amu (16:0 – 18:2 PA) [M-Na] <sup>-</sup> = 695.92 ± 1 amu (18:2 PA) (predominant species)	[M-Na] <sup>-</sup> = 695.7 amu

 Approved By: *Andriana Thomas*

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