

## Egg PC

L- $\alpha$ -phosphatidylcholine (Egg, Chicken)

840051P-1g

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<b>Molecular Weight</b>	770.123 (average) / 760.076 (predominant species)
<b>Chemical Formula</b>	C <sub>42</sub> H <sub>82</sub> NPO <sub>8</sub> (predominant species)
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	5508PQD628
<b>Avanti Lot Number</b>	840051P-1G-D-628

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
FAME (GC/FID)	Consistent with historical data Not specifications: 16:0 $\approx$ 34% 16:1 $\approx$ 2% 18:0 $\approx$ 11% 18:1 $\approx$ 32% 18:2 $\approx$ 18% 20:4 or 20:3 $\approx$ 3%	Consistent with historical data
UV Oxidation	NMT 5% total all wavelengths	0.56% total
Mass Spectroscopy	Consistent with historical data Predominantly: [M+H] <sup>+</sup> = 761.076 $\pm$ 1 amu	[M+H] <sup>+</sup> = 761.4 amu
Proton NMR	NMR spectrum consistent with structure	Consistent with structure

Approved By: *Anderson Thomas*

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