

Egg PC

L- α -phosphatidylcholine (Egg, Chicken)

840051C-1g

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Molecular Weight	770.123 (average) / 760.076 (predominant species)
Chemical Formula	C ₄₂ H ₈₂ NPO ₈ (predominant species)
Physical State	Chloroform
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5508CQA628
Avanti Lot Number	840051C-1G-A-628

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Chloroform: Clear, colorless solution with 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] ⁺ = 761.076 $\pm$ 1 amu	[M+H] ⁺ = 761.4 amu
Proton NMR	NMR spectrum consistent with structure	Consistent with structure

Approved By: *Anderson Thomas*

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