

Egg Phosphatidylcholine (Egg, Chicken)

L- α -phosphatidylcholine (Egg, Chicken)

840051P-1g

Page 1 of 1

Molecular Weight	770.123 (average based on fatty acid distribution)/760.076 (predominant species)
Chemical Formula	C ₄₂ H ₈₂ NPO ₈ (predominant species)
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5508PQB637
Avanti Lot Number	840051P-1G-B-637

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: 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	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
FAME (GC/FID)	Consistent with historical data: Not specification: 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
Oxidation by UV/VIS	NMT 5% total all wavelength	0.47% total all wavelengths
Mass Spectroscopy	[M+H] ⁺ = 761.1 $\pm$ 1 amu (predominant species)	[M+H] ⁺ = 760.9 amu (predominant species)

Approved By:



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