

Egg Lyso PC

L- α -lysophosphatidylcholine (Egg, Chicken)

830071P-1g

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Molecular Weight	503.334 (average based on fatty acid distribution in product)
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5472PQA091
Avanti Lot Number	830071P-1G-A-091

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	All Pass
UV Oxidation	NMT 5% total all wavelengths	0.15% total
FAME (GC/FID)	Consistent with historical data: 14:0 = ~0.3% 16:0 = ~69.0% 16:1 = ~1.4% 18:0 = ~24.6% 18:1 = ~3.4% 18:2 = ~0.3%	Consistent with historical data
Phosphorus Assay	95-105% recovery phosphorus	96% recovery
Calcium (ICP/MS)	NMT 500ppm	None Detected
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H] ⁺ = 496.6 \pm 1 amu (predominant species)	[M+H] ⁺ = 496.6 amu

Approved by: *Anderson Thomas*

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