

**Egg Lyso PE**  
**L- $\alpha$ -lysophosphatidylethanolamine (Egg, Chicken)**
**860081P-100MG**
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<b>Molecular weight</b>	471.609 (average based on fatty acid distribution in product)
<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>	5876PLB046
<b>Avanti Lot Number</b>	860081P-100MG-B-046

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	<b>Powder:</b> White solid which contains no foreign matter.	Pass
TLC	>99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
UV Oxidation	NMT 5% total all wavelengths	0.44% total
FAME (GC/FID)	Consistent with historical data (not specifications): 16:0 = ~33.7% 16:1 = ~0.2% 18:0 = ~57.0% 18:1 = ~5.1% 18:2 = ~0.5%	Consistent with historical data (not specifications): 16:0 = ~36.5% (AUC) 18:0 = ~55.5% (AUC) 18:1 = ~6.8% (AUC) 18:2 = ~0.7% (AUC) Total = ~99.5% (AUC)
Calcium (ICP/MS)	NMT 500ppm	None Detected
Proton NMR	NMR spectrum consistent with structure	Pass
Mass Spectroscopy	Consistent with historical data. [M+H] <sup>+</sup> = 454.55 ± 1 amu [M+H] <sup>+</sup> = 482.60 ± 1 amu	Consistent with historical data. [M+H] <sup>+</sup> = 454.8 amu [M+H] <sup>+</sup> = 482.6 amu

Approved By:

