

## Soy Lyso PI

L- $\alpha$ -lysophosphatidylinositol (Soy) (sodium salt)

850090P-5mg

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<b>Molecular Weight</b>	601.6 (average based on fatty acid distribution in product)
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	Three months from date of receipt
<b>M Lot Number</b>	5582PHA020
<b>Avanti Lot Number</b>	850090P-5MG-A-020

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
UV Oxidation	NMT 5% total all wavelengths	0.11% total
FAME (GC/FID)	Consistent with historical data 16:0 = ~73.6% 18:0 = ~14.3% 18:1 = ~5.5% 18:2 = ~6.5%	Consistent with historical data
Quantitative Phosphorus NMR	Run and Report	100% LPI
Calcium (ICP/MS)	NMT 500 ppm	84 ppm
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-Na] <sup>+</sup> = 571.6 $\pm$ 1 amu (predominant species)	[M-Na] <sup>+</sup> = 571.4 amu

Approved By: *Anderson Thomas*

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