

Soy Lyso PI

L- α -lysophosphatidylinositol (Soy) (sodium salt)

850090P-5mg

Page 1 of 1

Molecular Weight	601.6 (average based on fatty acid distribution in product)
Physical State	Powder
Storage	-20°C
Expiration Date	Three months from date of receipt
M Lot Number	5582PHA021
Avanti Lot Number	850090P-5MG-A-021

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	1% 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 96.4% recovery
Calcium (ICP/MS)	NMT 500 ppm	114 ppm
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-Na] ⁺ = 571.6 $\pm$ 1 amu (predominant species)	[M-Na] ⁺ = 571.5 amu

Melissa Bolin

Approved By:

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