

Liver PI

L- α -phosphatidylinositol (Liver, Bovine) (sodium salt)

840042P-100mg

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Molecular Weight	902.12 (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	5504PLC327
Avanti Lot Number	840042P-100MG-C-327

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	0.93% total
FAME (GC/FID)	Consistent with historical data 18:0 = ~46% 18:1 = ~8% 18:2 = ~6% 20:3 = ~13% 20:4 = ~17%	Consistent with historical data
Calcium (ICP/MS)	NMT 500 ppm	119.5 ppm
Mass Spectroscopy	[M-Na] ⁺ = 886.12 $\pm$ 1 amu (predominant species)	[M-Na] ⁺ = 885.9 amu (predominant species)
Proton NMR	Run and Report	Consistent with structure

Approved By: *Meredith Baybutt*

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