

Liver PI

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

840042P-10mg

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Molecular Weight	902.133 (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	5504PIA328
Avanti Lot Number	840042P-10MG-A-328

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
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
FAME (GC/FID)	Consistent with historical data (not specification) 18:0 = ~46% 18:1 = ~8% 18:2 = ~6% 20:3 = ~13% 20:4 = ~17%	Consistent with historical data
UV Oxidation	NMT 5% total all wavelengths	0.91% total
Calcium (ICP/MS)	NMT 500 ppm	BLOQ
Mass Spectroscopy	[M-Na] ⁺ = 886.1 ± 1 amu (predominant species)	[M-Na] ⁺ = 885.6 amu (predominant species)

Approved By: *Andriana Thomas*

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