

16:0 – 18:2 PS

1-palmitoyl-2-linoleoyl-sn-glycero-3-phospho-L-serine (sodium salt)

840060C-10mg

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Molecular Weight 781.972
Chemical Formula C₄₀H₇₃NO₁₀PNa
Physical State Chloroform
Storage -20°C
Expiration Date Three months from date of receipt
M Lot Number 5515CIA034
Avanti Lot Number 840060C-10MG-A-034

ANALYSIS	SPECIFICATION	SOP
Physical Examination	Chloroform: Clear solution with 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 wavelengths	0.28%
FAME (GC/FID)	NLT 50 ± 5% 16:0 (AUC) NLT 50 ± 5% 18:2 (AUC) NLT 99% Total	46.3% 16:0 (AUC) 52.2% 18:2 (AUC) 99% total
Calcium (ICP/MS)	NMT 500 ppm	77 ppm
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-Na] ⁻ = 758.972 ± 1 amu	[M-Na] ⁻ = 758.7 amu

Approved by: *Anderson Thomas*