

18:0 Lyso PA

1-stearoyl-2-hydroxy-sn-glycero-3-phosphate (sodium salt)

857128P-25mg

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Molecular Weight	460.518
Chemical Formula	C ₂₁ H ₄₂ O ₇ PNa
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5797PJA046
Avanti Lot Number	857128P-25MG-A-046

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: negative Water dip: one major spot	All Pass>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot
FAME (GC/FID)	NLT 99% 18:0 (AUC)	99.8% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Quantitative Phosphorus NMR	Run and Report	102.6% recovery
Calcium (ICP/MS)	NMT 500ppm	194.71 ppm
Mass Spectroscopy	[M-Na] ⁺ = 437.5 ± 1 amu	[M-Na] ⁺ = 437.2 amu

Approved By:

Meredith Bayroot

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