

14:0 PS

1,2-dimyristoyl-*sn*-glycero-3-phospho-L-serine (sodium salt)

840033P-25mg

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Molecular Weight 701.844
Chemical Formula C₃₄H₆₅NO₁₀PNa
Physical State Powder
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 5496PJA094
Avanti Lot Number 840033P-25MG-A-094

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC	>99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
FAME (GC/FID)	NLT 99% 14:0 (AUC)	99.8% (AUC)
Calcium (ICP/MS)	NMT 500ppm	None Detected
Mass Spectroscopy	Negative mode: [M-Na] ⁻ = 678.844 ± 1 amu or Positive mode: [M-Na+2H] ⁺ = 680.844 ± 1 amu	[M-Na+2H] ⁺ = 680.6 amu

Approved By: *Anderson Thomas*

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