

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	C ₃₄ H ₆₅ NO ₁₀ PNa
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5496PJA095
Avanti Lot Number	840033P-25MG-A-095

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)	99.7% (AUC)
Calcium (ICP/MS)	NMT 500ppm	68.8 ppm
Mass Spectroscopy	Negative mode: [M-Na] ⁻ = 678.844 ± 1 amu or Positive mode: [M-Na+2H] ⁺ = 680.844 ± 1 amu	[M-Na+2H] ⁺ = 680.4 amu

 Approved By: *Anderson Thomas*

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