Avanti® Polar Lipids, Inc.

Certificate of Analysis

16:0 PS

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

840037P-25mg

Molecular Weight	757.95
Chemical Formula	$C_{38}H_{73}NO_{10}PNa$
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5500PJB084
Avanti Lot Number	840037P-25MG-B--084

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	>99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
FAME (GC/FID)	NLT 99% 16:0 (AUC)	100% 16:0 (AUC)
Calcium (ICP/MS)	NMT 500 ppm	BLOQ
Mass Spectroscopy	Negative mode: $[M-Na]^-$ = 734.950 ± 1 amu or Positive mode: $[M-Na+2H]^+$ = 736.950 ± 1 amu	Negative mode: $[M-Na]^-$ = 734.492 amu

Approved by:

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