

16:0 Lyso PE

1-palmitoyl-2-hydroxy-sn-glycero-3-phosphoethanolamine

856705P-200mg

Page 1 of 1

Molecular Weight	453.6
Chemical Formula	C ₂₁ H ₄₄ NO ₇ P
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5787PNA053
Avanti Lot Number	856705P-200MG-A-053

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
FAME (GC/FID)	NLT 99% 16:0 (AUC)	99.9% (AUC)
Quantitative Phosphorus NMR	Run and Report	99.4 % wt/wt 100% LPE
Calcium (ICP/MS)	NMT 500ppm	None Detected
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H] ⁺ = 454.55 ± 1 amu	[M+H] ⁺ = 454.6 amu

Approved by: *Andriana Thomas*

For Research Use Only. Not For Human Use.