

DMG-PEG 2000

1,2-dimyristoyl-rac-glycero-3-methoxypolyethylene glycol-2000

880151P-1g

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Molecular Weight	2509.2 (average theoretical MW due to polydispersity of PEG)
Chemical Formula	C ₁₂₂ H ₂₄₂ O ₅₀
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6479PQD024
Avanti Lot Number	880151P-1G-D-024

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (9:1 Chloroform: Methanol)	>99% Purity Ninhydrin spray: negative Iodine: one major spot Phosphorus: negative Charring: negative Water dip: one major spot	>99% Purity Ninhydrin spray: negative Iodine: one major spot Phosphorus: negative Charring: negative Water dip: one major spot
HPLC-ELSD	NLT 99% (AUC)	100% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
FAME (GC/FID)	NLT 99% (AUC)	99.1% (AUC)
Average Molecular Weight (Mw) by TOF-MS	Run and Report	2552.022
Polydispersity Index (PDI) by TOF-MS	Run and Report	1.008

 Approved By: *Andriana Thomas*

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