

**DMG-PEG 2000**

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

**880151P-5g**

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<b>Molecular Weight</b>	2509.2 (average theoretical MW due to polydispersity of PEG)
<b>Chemical Formula</b>	C <sub>122</sub> H <sub>242</sub> O <sub>50</sub>
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	6479PRB024
<b>Avanti Lot Number</b>	880151P-5G-B-024

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> 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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