

**18:0 Cardiolipin**

1',3'-bis[1,2-distearoyl-sn-glycero-3-phospho]-glycerol (sodium salt)

**710334P-25mg**

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<b>Molecular Weight</b>	1510.02
<b>Chemical Formula</b>	C <sub>81</sub> H <sub>156</sub> Na <sub>2</sub> O <sub>17</sub> P <sub>2</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>	6522PJA014
<b>Avanti Lot Number</b>	710334P-25MG-A-014

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White powder which contains no foreign matter	Pass
TLC	>99% Purity Ninhydrin spray: negative Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot	>99% Purity Ninhydrin spray: negative Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot
FAME (GC/FID)	NLT 99% 18:0 (AUC)	99.7% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-2Na] <sup>2-</sup> = 732.02 ± 1 amu [M-2Na+H] <sup>-</sup> = 1465.02 ± 1 amu	[M-2Na] <sup>2-</sup> = 733.3 amu [M-2Na+H] <sup>-</sup> = 1465.7 amu
Calcium (ICP/MS)	NMT 500 ppm	2.5 ppm

 Approved By: *Anderson Thomas*

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