

**Heart CA**

Cardiolipin (Heart, Bovine) (sodium salt)

**840012P-50mg**

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<b>Molecular Weight</b>	1493.895 (average based on fatty acid distribution in product)
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	Three months from date of receipt
<b>M Lot Number</b>	5484PKF537
<b>Avanti Lot Number</b>	840012P-50MG-F-537

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter	Pass
TLC	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
UV Oxidation	NMT 5% total all wavelengths	0.53% total
FAME (GC/FID)	Consistent with historical data 18:1 = ~5% 18:2 = ~90%	Consistent with historical data
Mass Spectroscopy	Exact Mass: $[M-2Na+H]^- = 1447.94 \pm 1$ amu; $[M-2Na]^{2-} = 723.47 \pm 1$ amu or Molecular Weight: $[M-2Na+H]^- = 1448.92 \pm 1$ amu; $[M-2Na]^{2-} = 723.95 \pm 1$ amu	$[M-2Na+H]^- = 1447.95$ amu $[M-2Na]^{2-} = 723.47$ amu
Calcium (ICP/MS)	NMT 500ppm	None Detected

Approved By:



For Research Use Only. Not For Human Use.

**18:1 Cy7 PE**

**1,2-dioleoyl-sn-glycero-3-phosphoethanolamine-N-(Cyanine 7)**

**810337C-1mg**

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