

**Heart CA**

Cardiolipin (Heart, Bovine) (sodium salt)

**840012C-100mg**

Page 1 of 1

<b>Molecular Weight</b>	1493.9 (average based on fatty acid distribution in product)
<b>Physical State</b>	Chloroform
<b>Storage</b>	-20°C
<b>Expiration Date</b>	Three months from date of receipt
<b>M Lot Number</b>	5484CLB552
<b>Avanti Lot Number</b>	840012C-100MG-B-552

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Chloroform:</b> Clear solution with no foreign matter	Pass
TLC	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
Proton NMR	Spectrum consistent with structure	Spectrum consistent with structure
FAME (GC/FID)	Consistent with historical data 18:1 = ~5% 18:2 = ~90%	Consistent with historical data
UV Oxidation	NMT 5% total all wavelengths	1.99% total
Calcium (ICP/MS)	NMT 500 ppm	326 ppm
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	$[M-2Na]^{2-} = 723.6$ amu



Approved By:

For Research Use Only. Not For Human Use.