

Heart CA

Cardiolipin (Heart, Bovine) (sodium salt)

840012C-100mg

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|--------------------------|--|
| Molecular Weight | 1493.9 (average based on fatty acid distribution in product) |
| Physical State | Chloroform |
| Storage | -20°C |
| Expiration Date | Three months from date of receipt |
| M Lot Number | 5484CLC552 |
| Avanti Lot Number | 840012C-100MG-C-552 |

| ANALYSIS | SPECIFICATION | RESULTS |
|----------------------|--|------------------------------------|
| Physical Examination | Chloroform: 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:

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