

Heart CA

Cardiolipin (Heart, Bovine) (sodium salt)

840012-25mg

Page 1 of 1

| | |
|--------------------------|--|
| Molecular Weight | 1493.895 (average based on fatty acid distribution in product) |
| Physical State | Powder |
| Storage | -20°C |
| Expiration Date | Three months from date of receipt |
| M Lot Number | 5484PJA544 |
| Avanti Lot Number | 840012P-25MG-A-544 |

| ANALYSIS | SPECIFICATION | RESULTS |
|----------------------|--|--|
| Physical Examination | Powder: 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 |
| FAME (GC/FID) | Consistent with historical data 18:1 = ~5% 18:2 = ~90% | Consistent with historical data |
| UV Oxidation | NMT 5% total all wavelengths | 2% total |
| Calcium (ICP/MS) | NMT 500 ppm | None Detected |
| Mass Spectroscopy | Exact Mass: $[M-2Na+H]^+$ = 1447.94 ± 1 amu; $[M-2Na]^{2-}$ = 723.47 ± 1 amu or Molecular Weight: $[M-2Na+H]^+$ = 1448.92 ± 1 amu; $[M-2Na]^{2-}$ = 723.95 ± 1 amu | $[M-2Na+H]^+$ = 1447.9 amu $[M-2Na]^{2-}$ = 723.5 amu |



Approved By:

For Research Use Only. Not For Human Use.