

Heart CA
Cardiolipin (Heart, Bovine) (sodium salt)
840012P-25mg
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|--------------------------|--|
| Molecular Weight | 1494.319 (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 | 5484PJA534 |
| Avanti Lot Number | 840012P-25MG-A-534 |

| 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 | 0.74% total all wavelengths |
| Calcium (ICP/MS) | NMT 500ppm | None Detected |
| Mass Spectroscopy | [M-2Na+H] ⁻ = 1449.319 ± 1 amu [M-2Na] ²⁻ = 724.159 ± 1 amu | [M-2Na+H] ⁻ = 1448.0 amu [M-2Na] ²⁻ = 723.5 amu |

Approved by:

