

**Monolyso Heart CA**  
**monolysocardiolipin (Heart, Bovine) (sodium salt)**  
**850081P-10mg**

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**Molecular Weight** 1231.113 (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** 5580PIA110  
**Avanti Lot Number** 850081P-10MG-A-110

| ANALYSIS             | SPECIFICATION                                                                                                                           | RESULTS                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Physical examination | <b>Powder:</b> White solid which contains no foreign matter.                                                                            | Pass                                |
| TLC                  | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: positive<br>Water dip: one major spot | All Pass                            |
| UV Oxidation         | NMT 5% total all wavelengths                                                                                                            | 1.66% all wavelengths               |
| Mass Spectroscopy    | [M-2Na+H] <sup>+</sup> = 1186.5 ± 1 amu<br>(predominant species)<br>Consistent with historical data                                     | [M-2Na+H] <sup>+</sup> = 1186.1 amu |

Approved by:

