

**DSPE-PEG(2000) Maleimide**

1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[maleimide(polyethylene glycol)-2000] (ammonium salt)

**880126P-100mg**
**Page 1 of 1**

|                          |  |
|--------------------------|--|
| <b>Molecular Weight</b>  | 2941.605 (average MW due to polydispersity of PEG) |
| <b>Physical State</b>    | Powder   |
| <b>Storage</b>           | -20°C  |
| <b>Expiration Date</b>   | One year from date of receipt                      |
| <b>M Lot Number</b>      | 6288PLI057   |
| <b>Avanti Lot Number</b> | 880126P-100MG-I-057                                |

| ANALYSIS                               | SPECIFICATION   | RESULTS                    |
|--|---|----------------------------|
| Physical Examination                   | <b>Powder:</b> White solid which contains no foreign matter   | Pass                       |
| TLC<br>(4:1 Dichloromethane: Methanol) | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: faint positive<br>Water dip: one major spot | Pass                       |
| HPLC-ELSD                              | NLT 99% (AUC)   | 100% (AUC)                 |
| FAME (GC/FID)                          | NLT 99% 18:0 (AUC)  | 100% (AUC)                 |
| Proton NMR                             | NMR spectrum consistent with structure  | Consistent with structure  |
| LC-TOF MS                              | Run and Report  | Mw = 2841.95<br>Pd = 1.004 |

 Approved by: *Anderson Thomas*

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