**DSPE-PEG(2000) Maleimide**

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

**880126P-25mg**

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**Molecular Weight**
2941.605 (average MW due to polydispersity of PEG)

**Physical State**
Powder

**Storage**
-20°C

**Expiration Date**
One year from date of receipt

**M Lot Number**
6288PJA056

**Avanti Lot Number**
880126P-25MG-A-056

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<table>
<thead>
<tr>
<th>ANALYSIS</th>
<th>SPECIFICATION</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Examination</td>
<td><strong>Powder</strong>: White solid which contains no foreign matter</td>
<td>Pass</td>
</tr>
</tbody>
</table>
| TLC (4:1 Dichloromethane: Methanol) | >99% Purity  
Ninhydrin: negative  
Iodine: one major spot  
Phosphorus: positive  
Charring: faint positive  
Water dip: one major spot | All Pass            |
| HPLC-ELSD                 | NLT 99% (AUC)                                       | 99.2% (AUC)         |
| FAME (GC/FID)             | NLT 99% 18:0 (AUC)                                 | 100% (AUC)          |
| Proton NMR                | NMR spectrum consistent with structure              | Consistent with structure |

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Approved by: 

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