

**DSPE-PEG(5000) Amine**

1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[amino(polyethylene glycol)-5000] (ammonium salt)

**880132P-10mg**

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|                          |   |
|--------------------------|---|
| <b>Molecular Weight</b>  | 5812.06 (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>      | 6294PIG010  |
| <b>Avanti Lot Number</b> | 880132P-10MG-G-010                                |

| ANALYSIS   | SPECIFICATION   | RESULTS                   |
|--|---|---------------------------|
| Physical Examination   | <b>Powder:</b> White solid which contains no foreign matter   | Pass                      |
| TLC<br>(80:20:1 Chloroform: Methanol:<br>Ammonium Hydroxide) | >99% Purity<br>Ninhydrin: positive<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: negative<br>Water dip: one major spot | All 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 |



Approved By:

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