

**DSPE-PEG(2000) Biotin**

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

**880129P-25mg**
**Page 1 of 1**

|                          |  |
|--------------------------|--|
| <b>Molecular Weight</b>  | 3016.781 (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>      | 6291PJA034   |
| <b>Avanti Lot Number</b> | 880129P-25MG-A-034                                 |

| ANALYSIS                          | SPECIFICATION   | RESULTS                   |
|-----------------------------------|---|---------------------------|
| Physical Examination              | <b>Powder:</b> White solid which contains no foreign matter   | Pass                      |
| TLC<br>(8:2 Chloroform: Methanol) | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: faint positive (due to biotin headgroup)<br>Water dip: one major spot | All Pass                  |
| Proton NMR                        | NMR spectrum consistent with reference structure  | Consistent with structure |

Approved By:



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