

**18:1 ( $\Delta^9$ -Cis) PG**

 1,2-dioleoyl-*sn*-glycero-3-phospho-(1'-*rac*-glycerol) (sodium salt)

**840475P-200mg**

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|                          |   |
|--------------------------|---|
| <b>Molecular Weight</b>  | 797.026   |
| <b>Chemical Formula</b>  | C <sub>42</sub> H <sub>78</sub> O <sub>10</sub> PNa |
| <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>      | 5537PNA147  |
| <b>Avanti Lot Number</b> | 840475P-200MG-A-147                                 |

| 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                        |
| FAME (GC/FID)        | NLT 99% 18:1 (AUC)  | 99.1% (AUC)                     |
| Calcium (ICP/MS)     | NMT 500 ppm   | None Detected                   |
| Mass Spectroscopy    | [M-Na] <sup>-</sup> = 774.026 ± 1 amu   | [M-Na] <sup>-</sup> = 773.8 amu |
| Proton NMR           | NMR spectrum consistent with structure  | Consistent with structure       |

 Approved By: *Anderson Thomas*

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