

**18:1 Cholesterol Ester**

cholesteryl oleate

**700269P-100mg**

Page 1 of 1

|                          |  |
|--------------------------|--|
| <b>Molecular Weight</b>  | 651.10   |
| <b>Chemical Formula</b>  | C <sub>45</sub> H <sub>78</sub> O <sub>2</sub> |
| <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>      | 6752PLA010                                     |
| <b>Avanti Lot Number</b> | 700269P-100MG-A-010                            |

| ANALYSIS                            | SPECIFICATION   | RESULTS                                       |
|-------------------------------------|---|---|
| Physical Examination                | <b>Powder:</b> White solid which contains no foreign matter   | Pass  |
| TLC<br>(95:5 Hexane: Ethyl Acetate) | >99% Purity<br>Ninhydrin spray: negative<br>Iodine: one major spot<br>Phosphorus: negative<br>Charring: positive<br>Water dip: one major spot | All Pass                                      |
| HPLC-ELSD                           | NLT 99% (AUC)   | 100% (AUC)                                    |
| FAME (GC/FID)                       | NLT 99% 18:1 (AUC)  | 100% (AUC)                                    |
| Proton NMR                          | NMR spectrum consistent with structure  | Consistent with structure                     |
| Mass Spectroscopy                   | [M+NH <sub>4</sub> ] <sup>+</sup> = 669.10 ± 1 amu  | [M+NH <sub>4</sub> ] <sup>+</sup> = 669.0 amu |



Approved By:

For Research Use Only. Not For Human Use.