

**zymosterol**

 5 $\alpha$ -cholesta-8,24-dien-3 $\beta$ -ol

700068P-1mg

Page 1 of 1

|                          |                                   |
|--------------------------|-----------------------------------|
| <b>Molecular Weight</b>  | 384.638                           |
| <b>Chemical Formula</b>  | C <sub>27</sub> H <sub>44</sub> O |
| <b>Physical State</b>    | Powder                            |
| <b>Storage</b>           | -80 °C                            |
| <b>Expiration Date</b>   | One year from date of receipt     |
| <b>M Lot Number</b>      | 5150PGA013                        |
| <b>Avanti Lot Number</b> | 700068P-1MG-A-013                 |

| ANALYSIS                          | SPECIFICATION   | RESULTS                                       |
|-----------------------------------|---|---|
| Physical examination              | <b>Powder:</b> White solid which contains no foreign matter.  | Pass  |
| TLC<br>(8:2 Hexane:Ethyl Acetate) | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: negative<br>Charring: positive<br>Water dip: one major spot | All Pass                                      |
| Proton NMR                        | NMR spectrum consistent with structure  | Consistent with structure                     |
| Mass Spectroscopy                 | [M+NH <sub>4</sub> ] <sup>+</sup> = 402.638 $\pm$ 1 amu   | [M+NH <sub>4</sub> ] <sup>+</sup> = 402.6 amu |

Approved by:

