

**cholesterol (plant)**  
 cholesterol (plant derived)  
**700100P-200mg**

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**Molecular Weight** 386.654  
**Chemical Formula** C<sub>27</sub>H<sub>46</sub>O  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5180PNB020  
**Avanti Lot Number** 700100P-200MG-B-020

| ANALYSIS                          | SPECIFICATION   | RESULTS   |
|-----------------------------------|---|---|
| Physical examination              | <b>Powder:</b> White solid which contains no foreign matter.  | Pass  |
| TLC<br>(2:1 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  |
| HPLC-ELSD                         | NLT 99% (AUC)   | 100% (AUC)                                      |
| Proton NMR                        | NMR spectrum consistent with structure  | Consistent with structure                       |
| Mass Spectroscopy                 | [M+H-H <sub>2</sub> O] <sup>+</sup> = 369.654 ± 1 amu   | [M+H-H <sub>2</sub> O] <sup>+</sup> = 369.4 amu |

Approved by:

