

**sitosterol**  
**22,23-dihydrostigmasterol**  
**700095P-25mg**

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**Molecular Weight** 414.707  
**Chemical Formula** C<sub>29</sub>H<sub>50</sub>O  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5176PJJ012  
**Avanti Lot Number** 700095P-25MG-J-012

| ANALYSIS                           | SPECIFICATION   | RESULTS                                       |
|------------------------------------|---|---|
| Physical Examination               | <b>Powder:</b> White solid which contains no foreign matter   | Pass  |
| TLC<br>(7:3 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)   | 99.6% (AUC)                                   |
| Proton NMR                         | NMR spectrum consistent with reference structure  | Consistent with structure                     |
| Mass Spectroscopy                  | [M+NH <sub>4</sub> ] <sup>+</sup> = 432.707 ± 1 amu   | [M+NH <sub>4</sub> ] <sup>+</sup> = 432.2 amu |



Approved By:

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