

sitostanol

β-sitostanol

700121P-5mg

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|                          |                                   |
|--------------------------|-----------------------------------|
| <b>Molecular Weight</b>  | 416.723                           |
| <b>Chemical Formula</b>  | C <sub>29</sub> H <sub>52</sub> O |
| <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>      | 5190PHJ020                        |
| <b>Avanti Lot Number</b> | 700121P-5MG-J-020                 |

| 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)   | 99.4% (AUC)                                   |
| Proton NMR                         | NMR spectrum consistent with reference structure  | Consistent with structure                     |
| Mass Spectroscopy                  | [M+NH <sub>4</sub> ] <sup>+</sup> = 434.723 ± 1 amu   | [M+NH <sub>4</sub> ] <sup>+</sup> = 434.8 amu |

 Approved By: *Anderson Thomas*

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