

Sitosterol (synthetic from plant)

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700107P-200mg

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Molecular Weight 414.7
Chemical Formula C₂₉H₅₀O
Physical State Powder
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 7071PNA010
Avanti Lot Number 700107P-200MG-A-010

| ANALYSIS | SPECIFICATION | RESULTS |
|--------------------------------------|---|---|
| Physical Examination | Powder: White solid which contains no foreign matter | Pass |
| TLC (85:15 Hexane: Ethyl Acetate) | >99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot | All Pass |
| Proton NMR | NMR spectrum consistent with structure | Consistent with structure |
| Carbon NMR | NMR spectrum consistent with structure | Consistent with structure |
| Mass Spectroscopy | [M+NH ₄] ⁺ = 432.7 ± 1 amu | [M+NH ₄] ⁺ = 432.4 amu |
| HPLC-ELSD | NLT 99% (AUC) | 99.8% (AUC) |

 Approved By: *Andriana Thomas*

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