

Sitosterol (synthetic from plant)

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700107P-100mg

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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 7071PLC010
Avanti Lot Number 700107P-100MG-C-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: *Meredith Bayood*

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