

Sitosterol (synthetic from plant)

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700107P-1g

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Molecular Weight	414.7
Chemical Formula	C ₂₉ H ₅₀ O
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	7071PQA010
Avanti Lot Number	700107P-1G-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: *Anderson Thomas*

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