

Sitosterol (synthetic from plant)

Sitosterol (synthetic from plant sterol)

700107P-500mg

Page 1 of 1

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	7071PPB010
Avanti Lot Number	700107P-500MG-B-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*

For Research Use Only. Not For Human Use.