

7 α -hydroxycholesterol

 cholest-5-en-3 β ,7 α -diol

700034P-10mg

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Molecular Weight	547.170 (average based on fatty acid distribution in product)
Physical State	Powder
Storage	-20 °C
Expiration Date	Three months from date of receipt
M Lot Number	5584PIA043
Avanti Lot Number	850092P-10MG-A-043

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	Powder: White solid which contains no foreign matter	Pass
TLC	>99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
UV Oxidation	NMT 5% total all wavelengths	0.26% Total all wavelength
FAME (GC/FID)	Consistent with historical data	Consistent with historical data
Proton NMR	NMR spectrum consistent with reference spectrum	Consistent with reference spectrum
Mass Spectroscopy	Positive mode: [M-Na+2H] ⁺ = 526.170 \pm 1 amu (Predominant species) or Negative mode: [M-Na] ⁻ = 524.17 \pm 1 amu (Predominant species)	Positive mode: [M-Na+2H] ⁺ = 526.8 amu
Calcium (ICP/MS)	NMT 500ppm	100ppm

Approved by:

