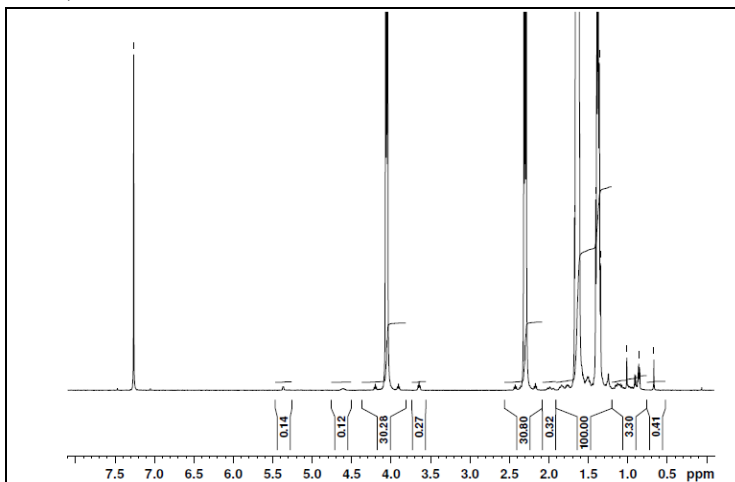


# No. AP96 Certificate of Analysis

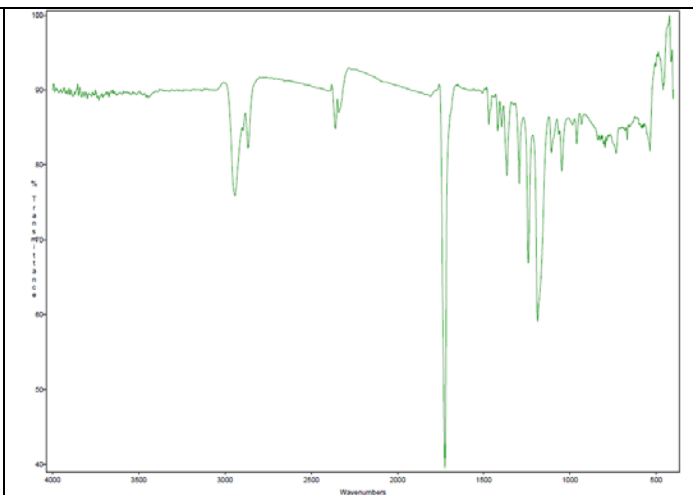
Product Name: Poly(caprolactone)-cholesterol end-cap polymer (Mn: 25,000-35,000 Da) (Lot#: 30729JSG)

## H-NMR



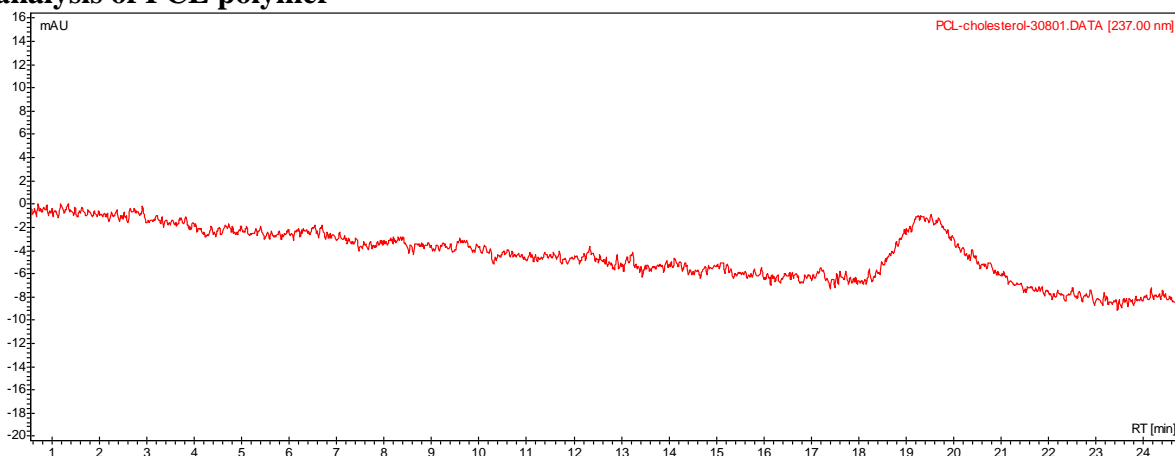
H-NMR Spectrum of PCL polymers in CDCl<sub>3</sub> (Varian Inova 500 MHz instrument)

## FTIR



FTIR Analysis: Collected from cast-film on KBR salt-plate placed in Satellite FTIR (Thermo-Mattson) and analyzed in transmission mode.

- GPC analysis of PCL polymer



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Phenogel 5u columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
PCL-cholesterol	27,866	39,022	1.40

- Structure of PCL polymer

