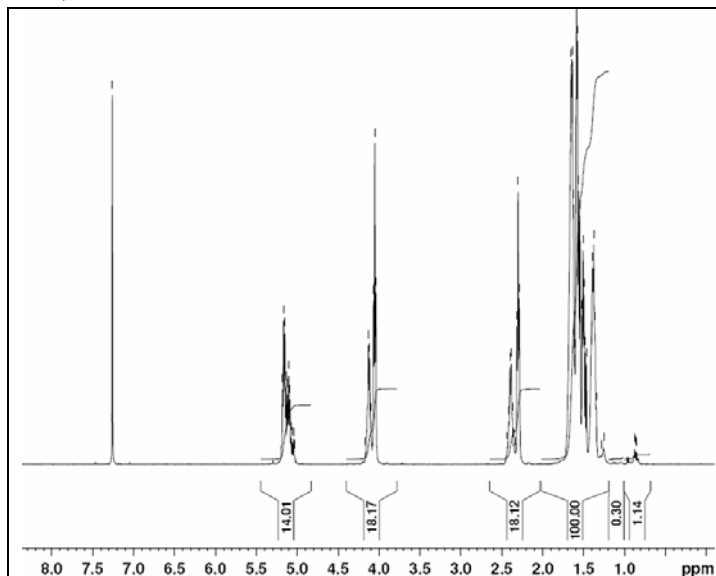


# No. AP80

# Certificate of Analysis

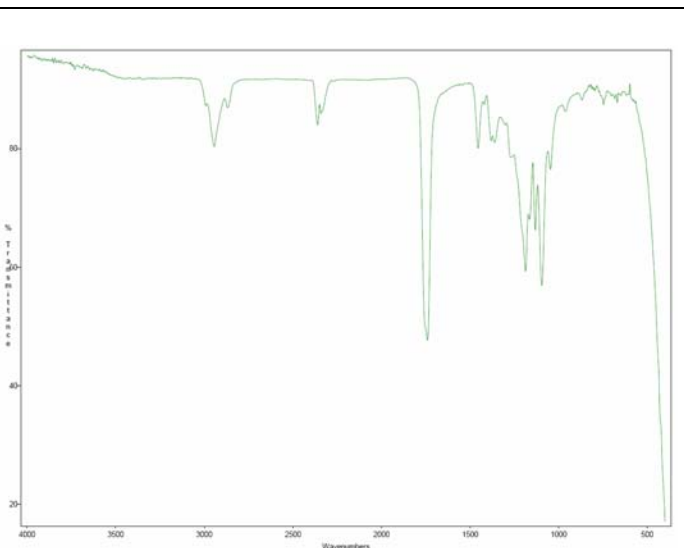
Product Name: Poly(L-Lactic-co-caprolactone) copolymer ester endcap (1:1 LA:CL, Mn: 15,000-25,000 Da) (Lot#: 30326JLB) REV:A

## H-NMR



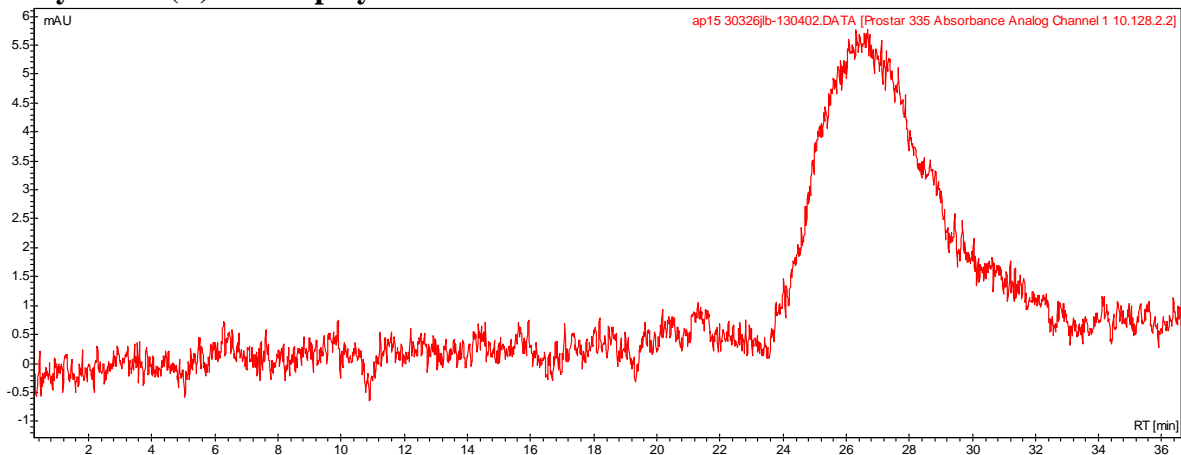
H-NMR Spectrum of P(L)LCL copolymers in CDCl<sub>3</sub> (Varian Inova 500 MHz instrument), NMR of P(L)LCL copolymers:  
LA/CL =49%/51%

## FTIR



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

- **GPC analysis of P(L)LCL copolymers**



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

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
P(L)LCL	23364	50137	2.16

- **Structure of P(L)LCL copolymers**

