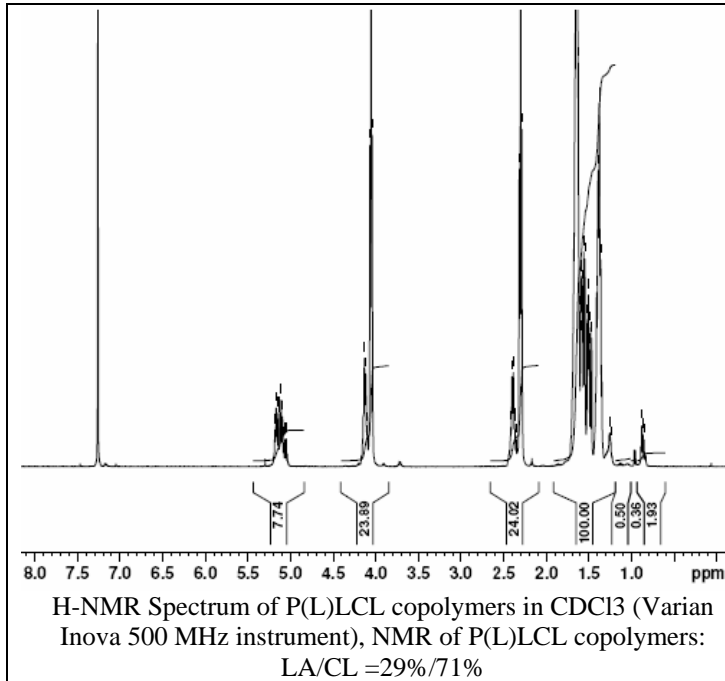


No. AP74

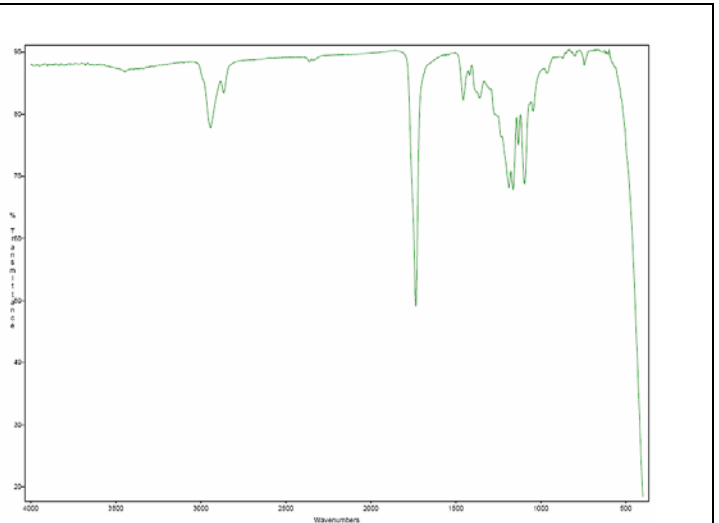
Certificate of Analysis

Product Name: Poly(L-Lactic-co-caprolactone) copolymer ester endcap (30:70 LA:CL, Mn: 45,000-55,000 Da) (Lot#: 30315JSG)

H-NMR

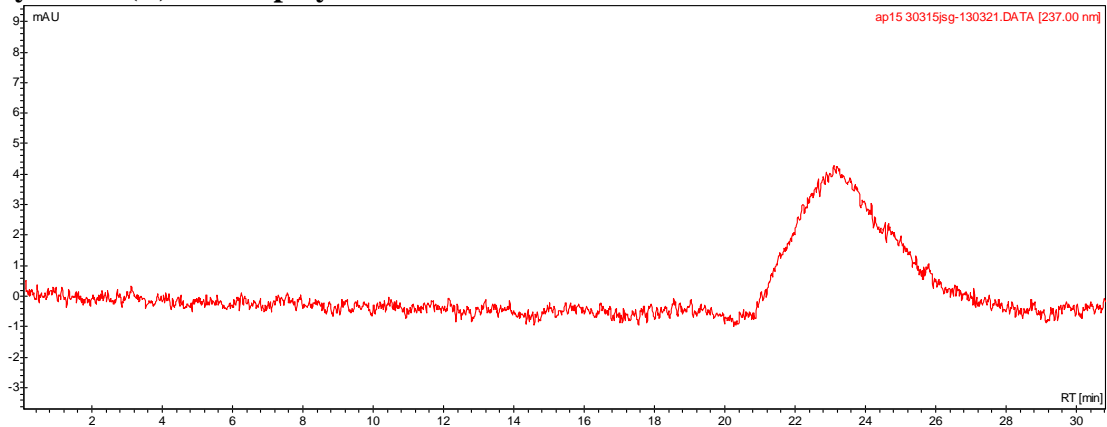


FTIR



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	52955	77867	1.47

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

