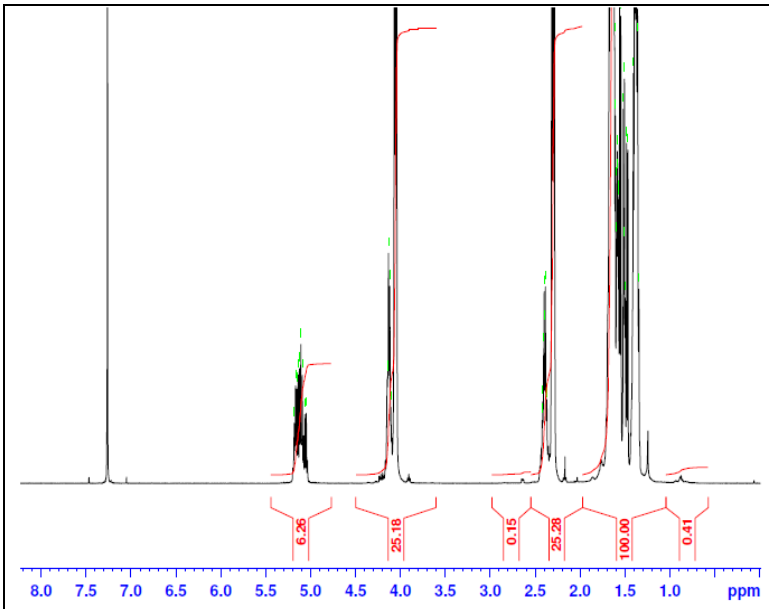
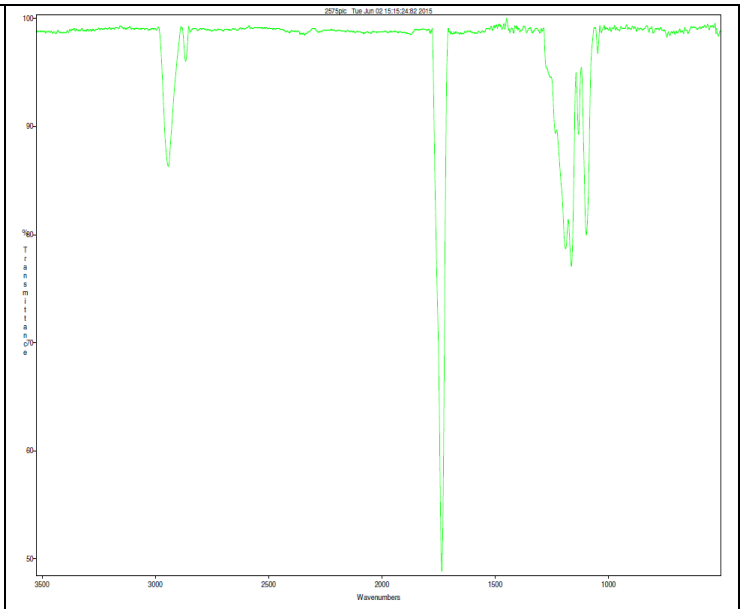
No. AP147 Certificate of Analysis

Product Name: Poly(L-Lactic-co-caprolactone) Copolymer acid end-capped (30:70 LA:CL, Mn: 85,000-100,000 Da) (Lot#: 50522FAJ) REV:A

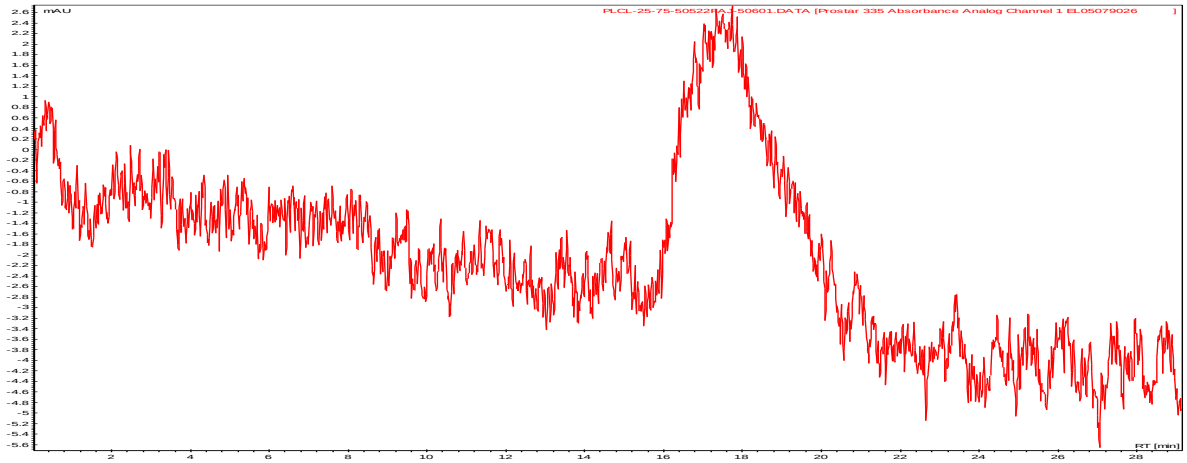


H-NMR Spectrum of P(L)LCL copolymers in CDCl3 (Varian Inova 500 MHz instrument), NMR of P(L)LCL copolymers: LA/CL = 33%/67% molar ratio (24%/76% w/w)



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

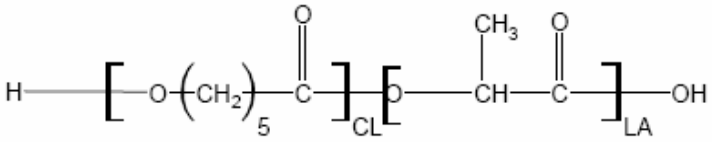
- **GPC analysis of P(L)LCL copolymers**



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	M_n (from GPC)	M_w (from GPC)	PDI
P(L)LCL	85,051	161,053	1.89

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



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