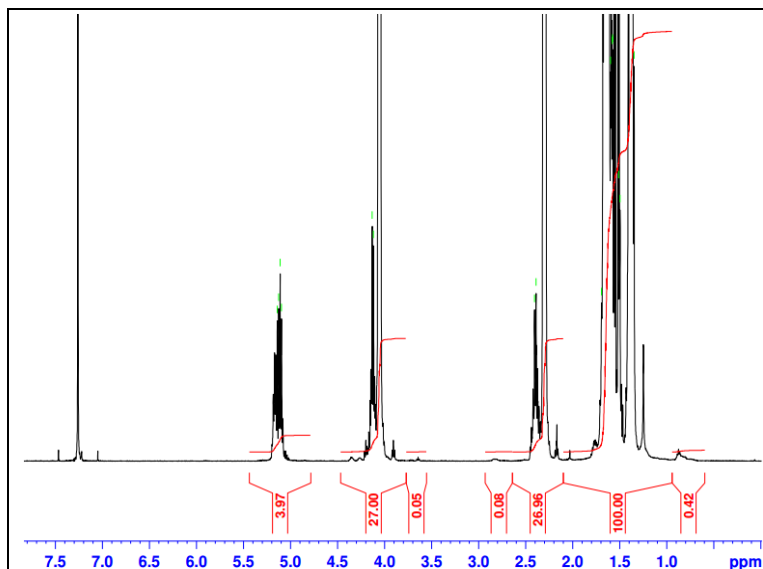


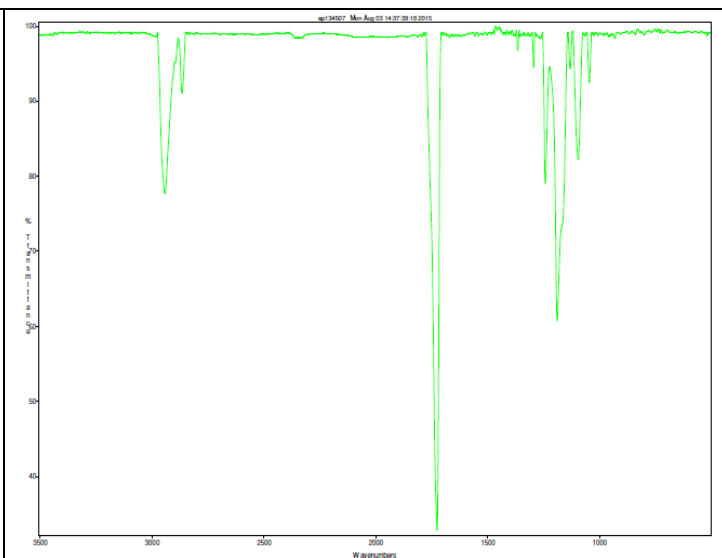
No. AP153

Certificate of Analysis

Product Name: Poly(L-Lactic-co-caprolactone) copolymers acid endcap (25:75 LA:CL,
M_n: 55,000-65,000 Da) (Lot#: 50528AHT)

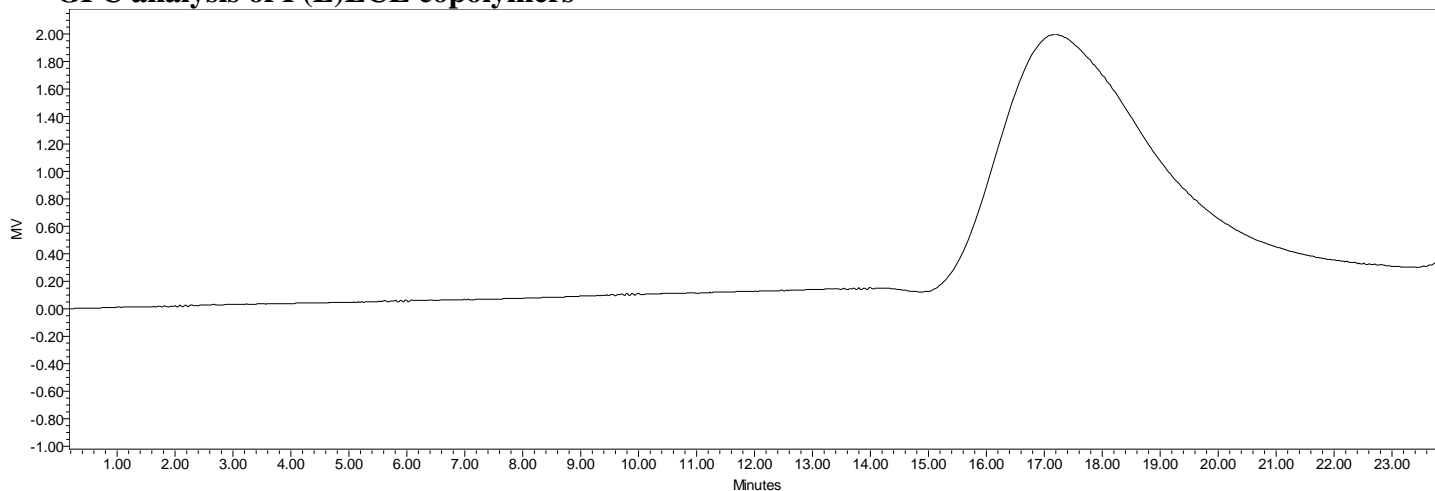


H-NMR Spectrum of P(L)LCL copolymers in CDCl₃ (Varian Inova 500 MHz instrument), NMR of P(L)LCL copolymers:
LA/CL = 23%/77% molar ratio (16%/84% w/w)



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

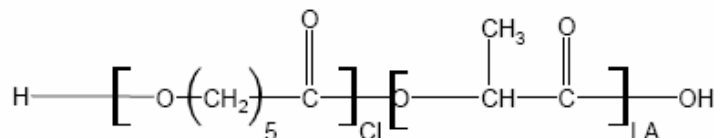
• GPC analysis of P(L)LCL copolymers



Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across three Phenogel 5um columns (Phenomenex). Detection via refractive index, calibrated against polystyrene standards.

Polymer	M _n (from GPC)	M _w (from GPC)	PDI
P(L)LCL	60,878	86,377	1.42

• Structure of P(L)LCL copolymers



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