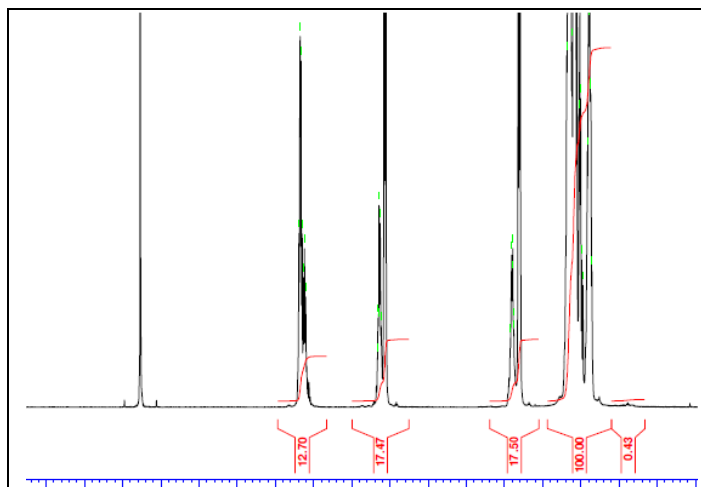


# No. AP124

# Certificate of Analysis



Product Name: Poly(L-lactide-co-caprolactone) Copolymer ester end-capped (50:50 LA:GA w/w, 60:40 LA:CL m/m,  $M_n$ : 100,000-200,000 Da) (Lot#: 61011ELH-A)

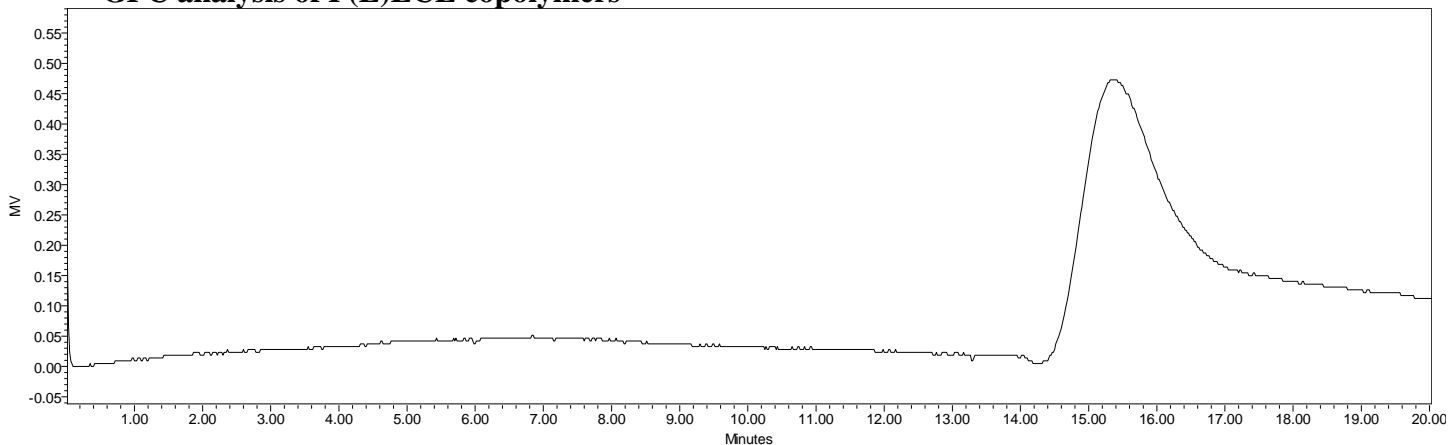


H-NMR Spectrum of P(L)LCL copolymers in  $CDCl_3$  (Varian Inova 500 MHz instrument), NMR of P(L)LCL copolymers: LA/CL = 48%/52% w/w (59%/41% molar ratio)



FTIR Analysis Method: Collected from cast-film on salt-plate placed in Protégé 460 Spectrometer (Nicolet) and analyzed in Transmission E.S.P. mode

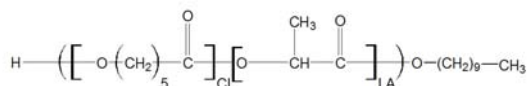
## • GPC analysis of P(L)LCL copolymers



Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across three GPC columns (7.6 x 300 mm, mixed porosities). Detection via refractive index, calibrated against polystyrene standards.

Polymer	$M_n$ (from GPC)	$M_w$ (from GPC)	PDI
P(L)LCL	105,496	117,670	1.12

## • Structure of P(L)LCL copolymers



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