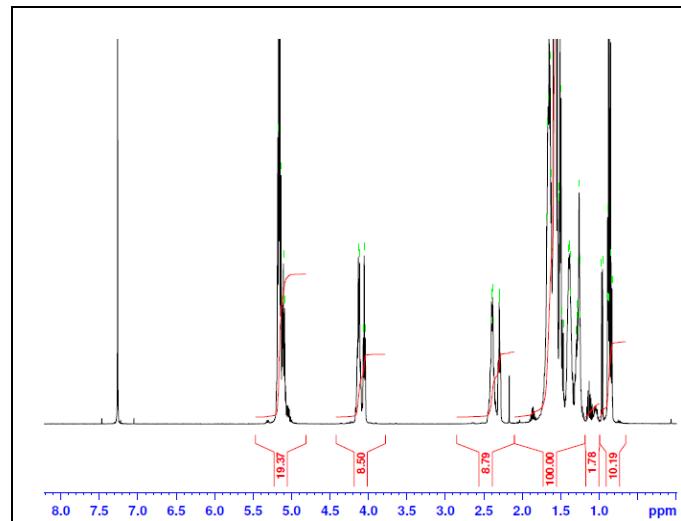


No. AP146

# Certificate of Analysis

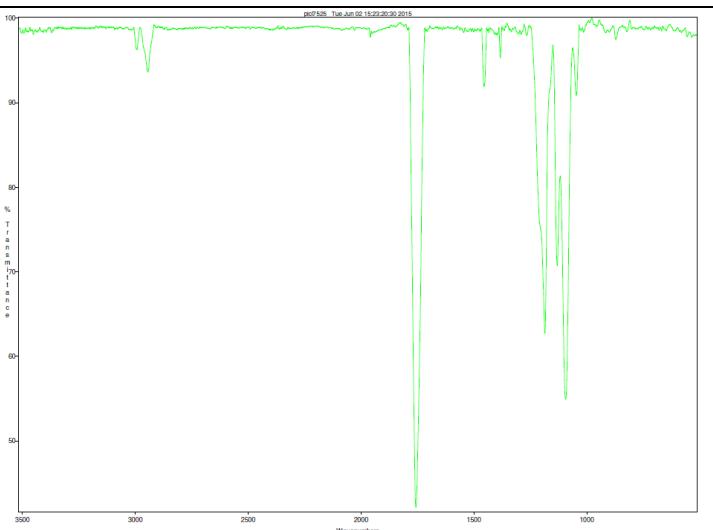
Product Name: Poly(L-Lactic-co-caprolactone) copolymers acid endcap (80:20 LA:CL, M<sub>n</sub>: 100,000-200,000 Da) (Lot#: 50522FAJ) REV:A

## H-NMR



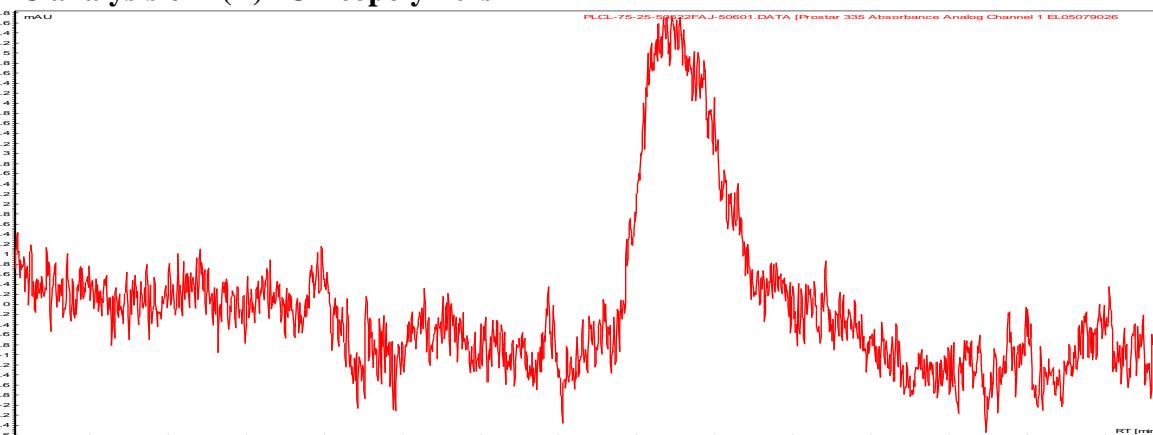
H-NMR Spectrum of P(L)LCL copolymers in CDCl<sub>3</sub> (Varian Inova 500 MHz instrument), NMR of P(L)LCL copolymers:  
LA/CL = 82%/18% molar ratio (74%/26% w/w)

## 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	M <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
P(L)LCL	136,827	215,624	1.58

## • Structure of P(L)LCL copolymers

