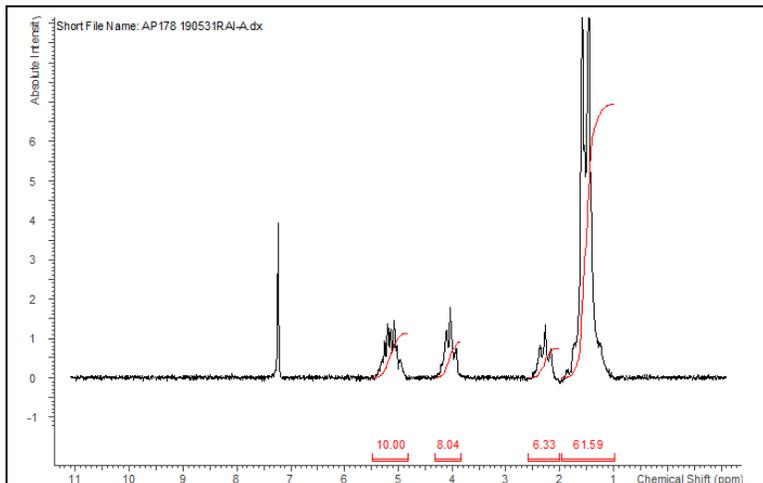


# AP178

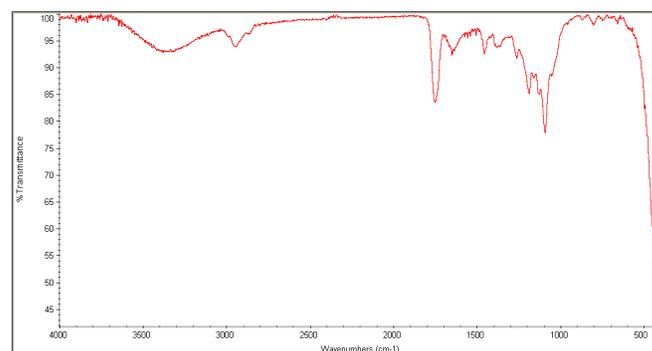
# Certificate of Analysis



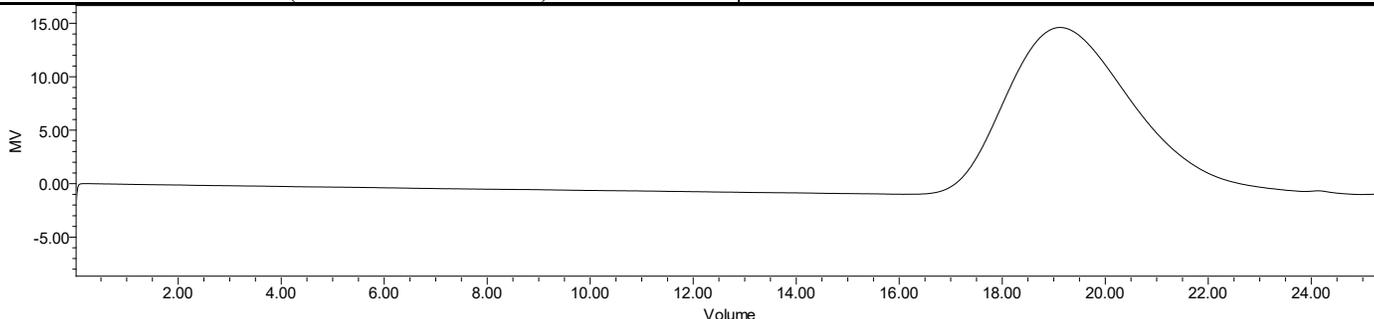
Product Name: Poly(DL-lactide-co-caprolactone) copolymer LA:CL 70:30  
acid endcap ( $M_n$  15,000-25,000 Da) (Lot#: 190531RAI-B)



H-NMR Spectrum of copolymers in  $CDCl_3$  (NMReady-60e, Nanalysis 60 MHz) NMR of PLCL copolymer: LA-CL = 71%-29% molar ratio (LA-CL 76%-24% w-w)



FTIR Analysis: Collected from cast-film on KBr salt-plate placed in a Nicolet Avatar 320 spectrometer and analyzed in transmission mode.



GPC Analysis Method: Waters Breeze 2 system with 1 ml/min THF flow across three GPC columns. Detection via refractive index, calibrated against polystyrene standards.

| Polymer   | $M_n$ (from GPC) | $M_w$ (from GPC) | PDI  |
|-----------|------------------|------------------|------|
| PDLLA-PCL | 24,747           | 44,804           | 1.81 |

## • Structure of PDLLA-PCL

