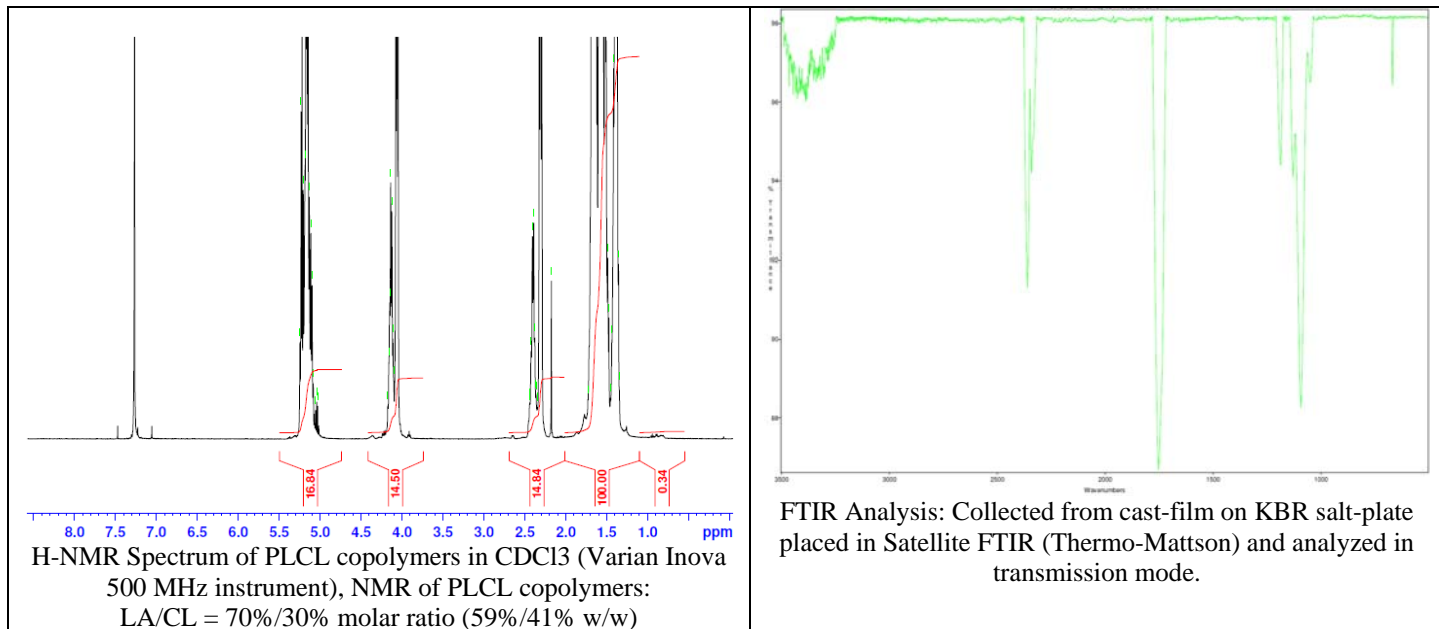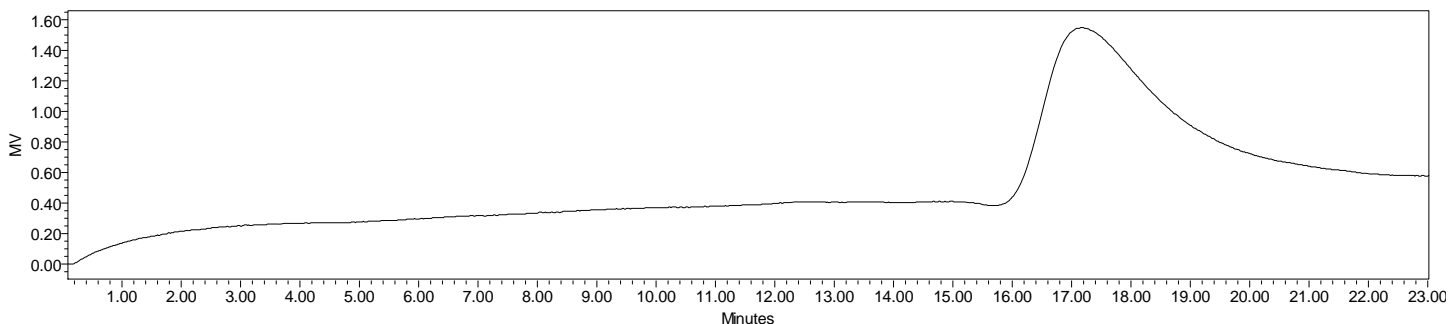# No. AP179   Certificate of Analysis

Product Name: Poly((D,L)Lactic-co-caprolactone) Copolymers acid end-capped (70:30 LA:CL, M_n: 35,000-45,000 Da) (Lot#: 60427BPR-A)

H-NMR Spectrum of PLCL copolymers in CDCl3 (Varian Inova 500 MHz instrument), NMR of PLCL copolymers:
LA/CL = 70%/30% molar ratio (59%/41% w/w)

FTIR Analysis: Collected from cast-film on KBR salt-plate placed in Satellite FTIR (Thermo-Mattson) and analyzed in transmission mode.
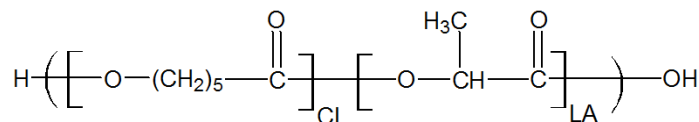
- **GPC analysis of P(D,L)LaCL copolymers**

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(D,L)LaCL	44,512	72,854	1.64

- **Structure of P(D,L)LaCL copolymers**

Material provided for research use only. Not for human use.