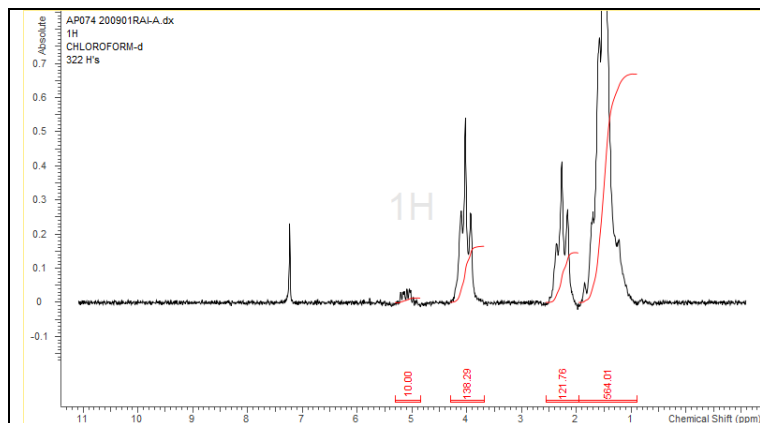


No. AP269

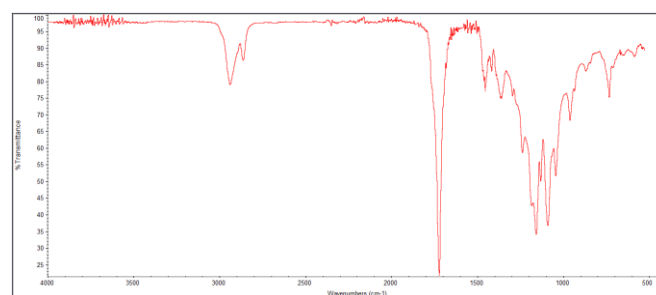
Certificate of Analysis



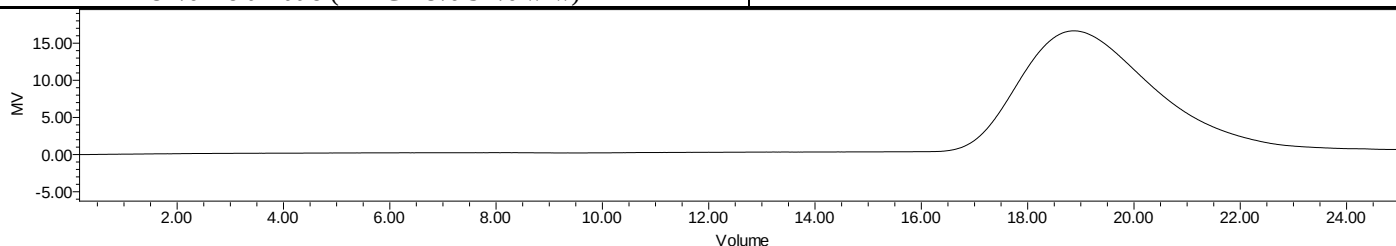
Product Name: Poly(L-Lactic-co-caprolactone) copolymer ester endcap
(15:85 LA:CL, Mn: 45,000-55,000 Da) (Lot#: 200901RAI-A)



¹H-NMR Spectrum of copolymers in CDCl₃ (NMReady-60e, Nanalysis 60 MHz) NMR of P(L)LCL copolymer: LA-CL = 13%-87% molar ratio (LA-CL 8%-92% w-w)



FTIR Analysis: Collected from cast-film on KBr salt-plate placed in a Nicolet Avatar 380 spectrometer with ATR Smart Orbit and analyzed in transmission mode.



GPC-ES 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
P(L)LCL	47,257	62,931	1.33

• Structure of PLGA copolymers

