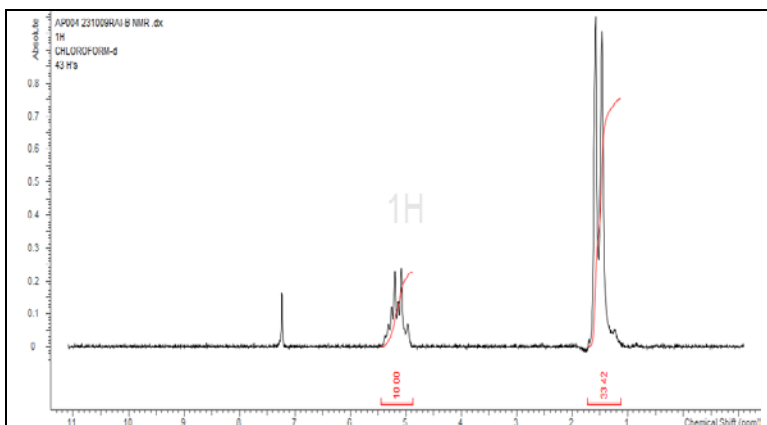


No. AP002

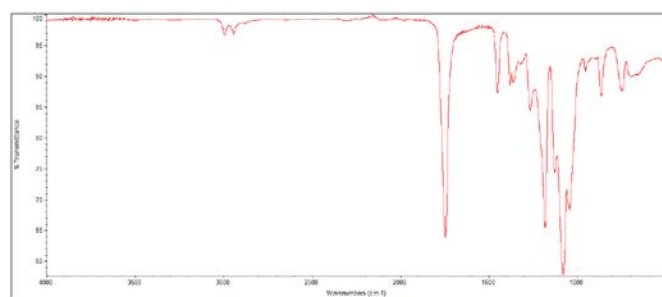
Certificate of Analysis



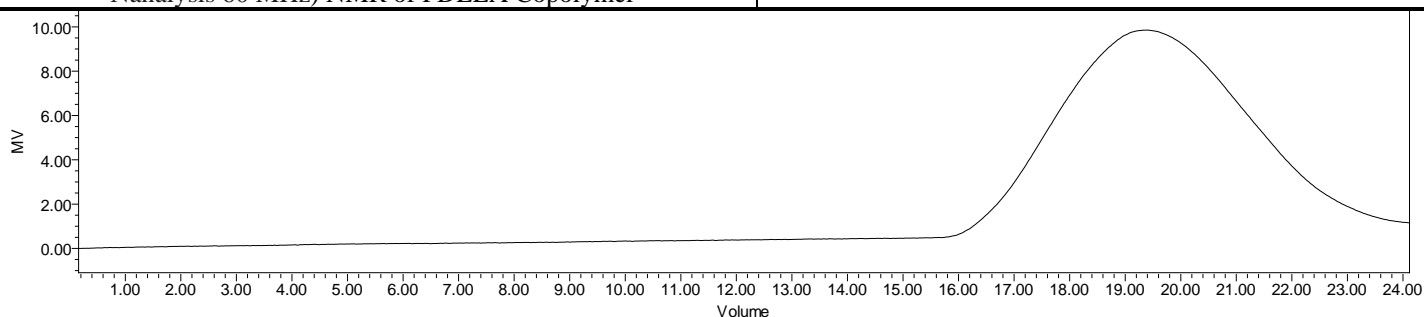
Product Name: Poly(DL-lactide) ester endcapped (Mn: 25,000-35,000 Da) (Lot#: 231009RAI-B)



H-NMR Spectrum of copolymers in CDCl₃ (NMReady-60e, Nanalysis 60 MHz) NMR of PDLLA Copolymer



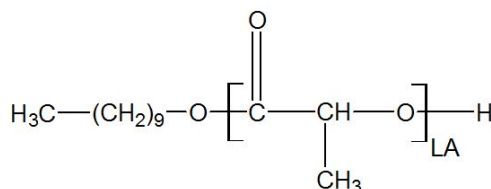
FTIR Analysis: Collected from IS5 ID7-ATR spectrometer (ThermoFisher) and analyzed in transmission mode.



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
PDLLA	26,044	55,530	2.13

- Structure of PDLLA copolymers**



Approved By:
Amie Tyler
Quality Manager