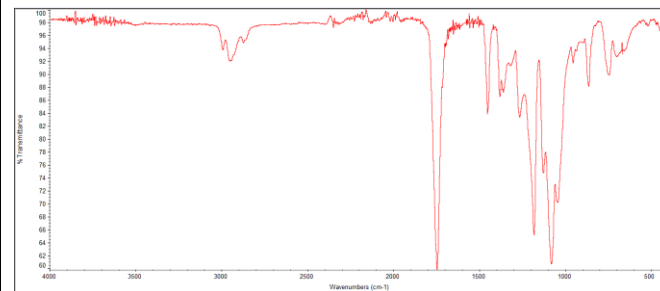
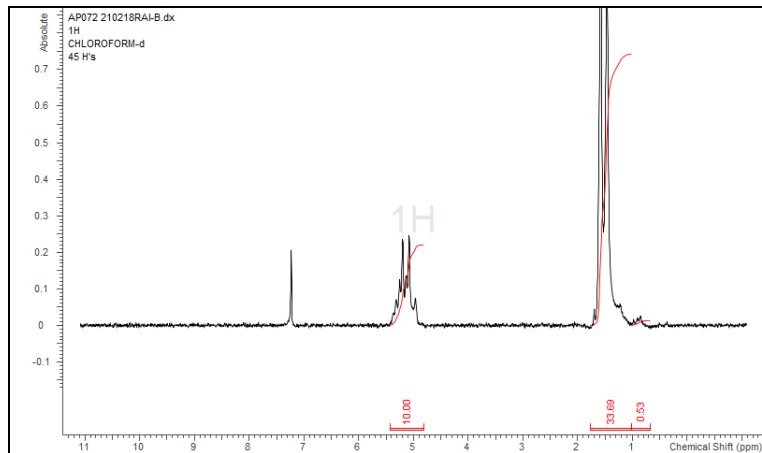


No. AP072

Certificate of Analysis

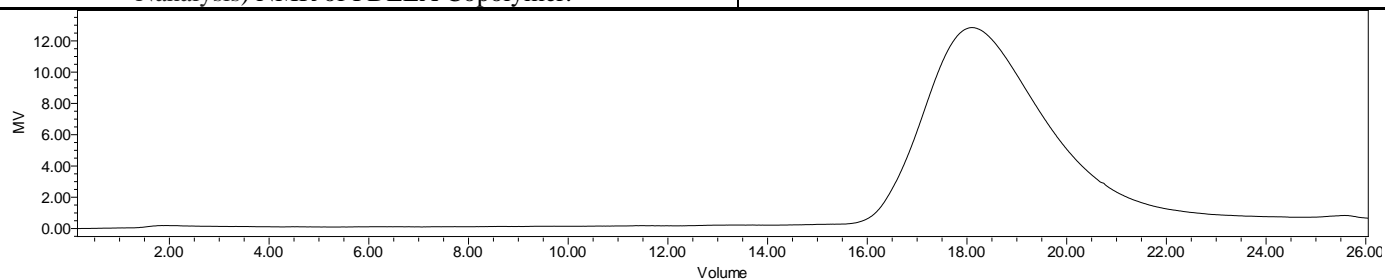


Product Name: Poly(DL-lactic acid) ester endcapped (Mn: 85,000-100,000 Da)
(Lot# 210218RAI-B)



FTIR Analysis: Collected from Nicolet Avatar 380 spectrometer with ATR Smart Orbit and analyzed in transmission mode.

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



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 |
|---------|---------------------------|---------------------------|------|
| PDLA | 85,768 | 110,414 | 1.29 |

- Structure of PDLA copolymers**

