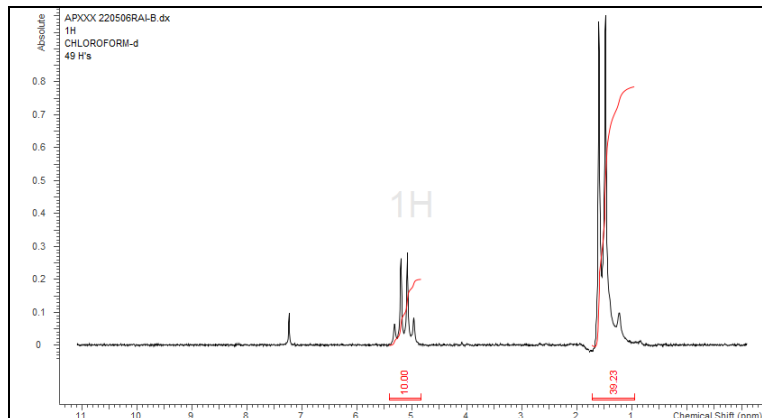


No. AP286

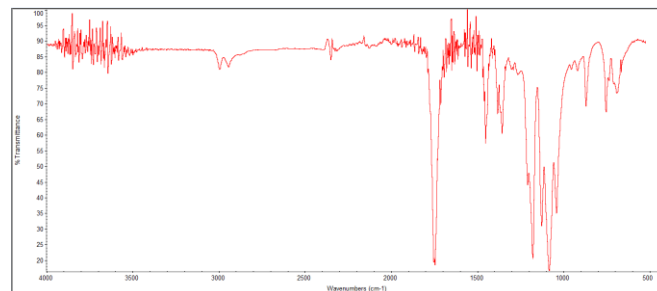
Certificate of Analysis



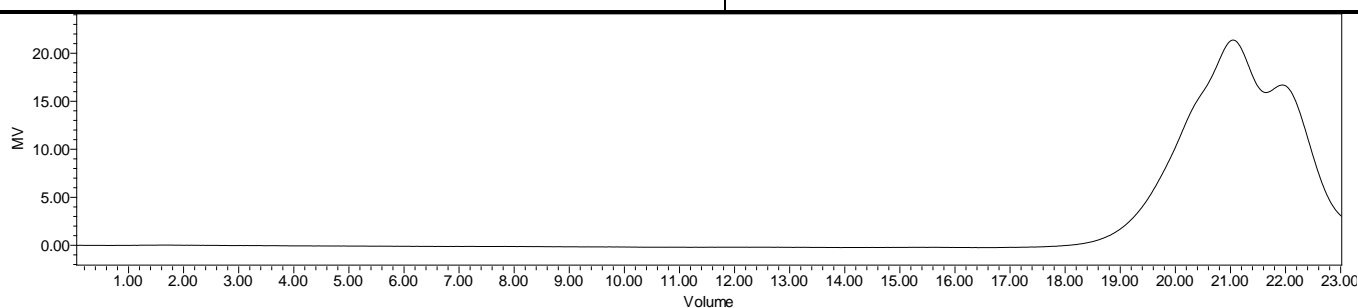
Product Name: Poly(L-lactic acid) ester endcapped (Mn: 5,000-10,000 Da)
(Lot#: 220506RAI-B)



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



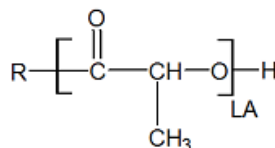
FTIR Analysis: Collected from Nicolet Avatar 380 spectrometer with ATR Smart Orbit and analyzed in transmission mode.



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
PLLA	9,623	12,894	1.34

- Structure of PLLA copolymers**



R – 1-decanol ester endcap