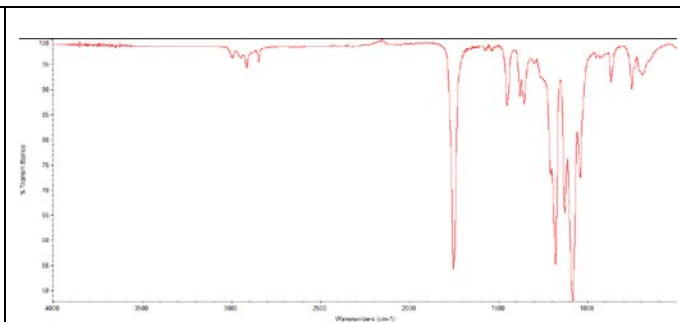
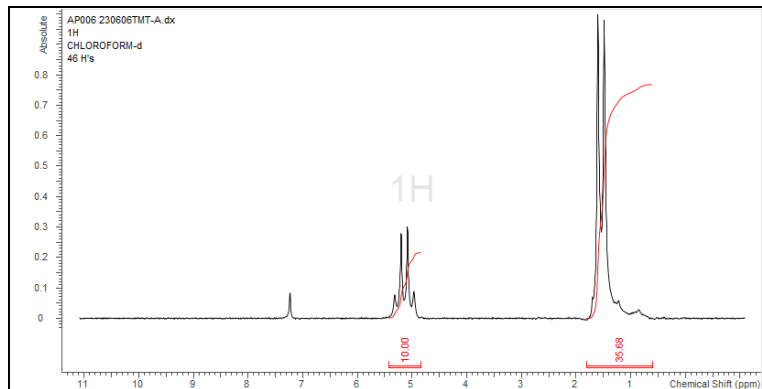


No. AP006

Certificate of Analysis

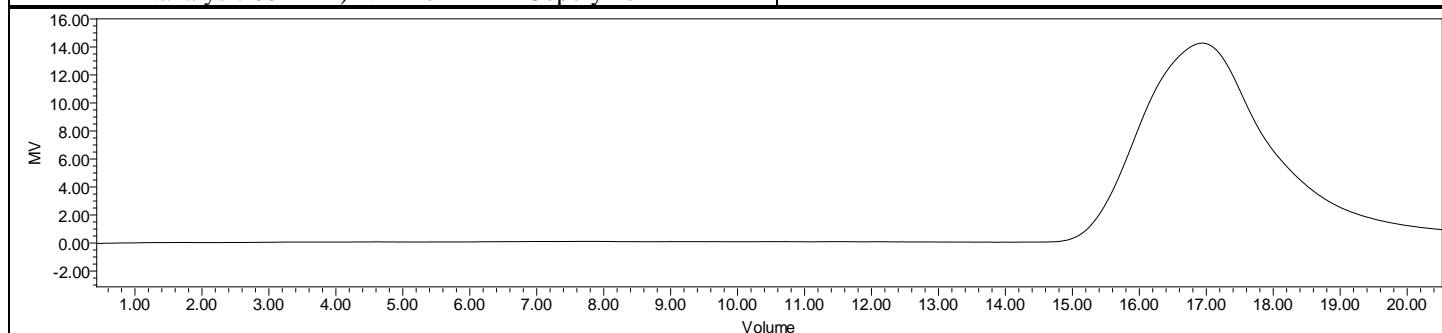


Product Name: Poly(L-lactide) acid endcap (M_n 100,000-200,000 Da)
(Lot #230606TMT-A)



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

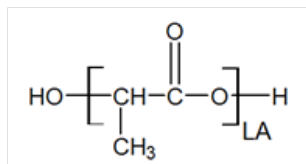
H-NMR Spectrum of copolymers in CDCl₃ (NMRReady-60e, Nanalysis 60 MHz) NMR of PLLA Copolymer



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
PLLA	171,557	292,588	1.71

• Structure of PLLA copolymers



Approved By:
Amie Tyler
Quality Manager