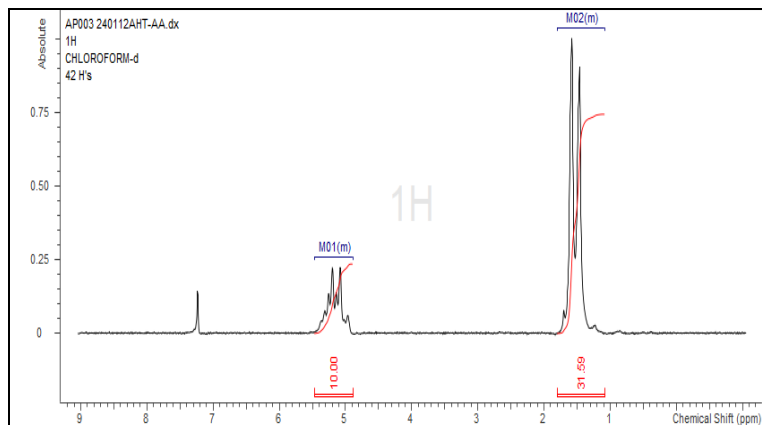


No. AP003

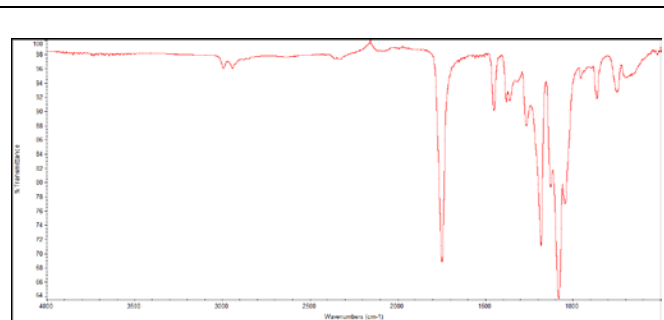
Certificate of Analysis



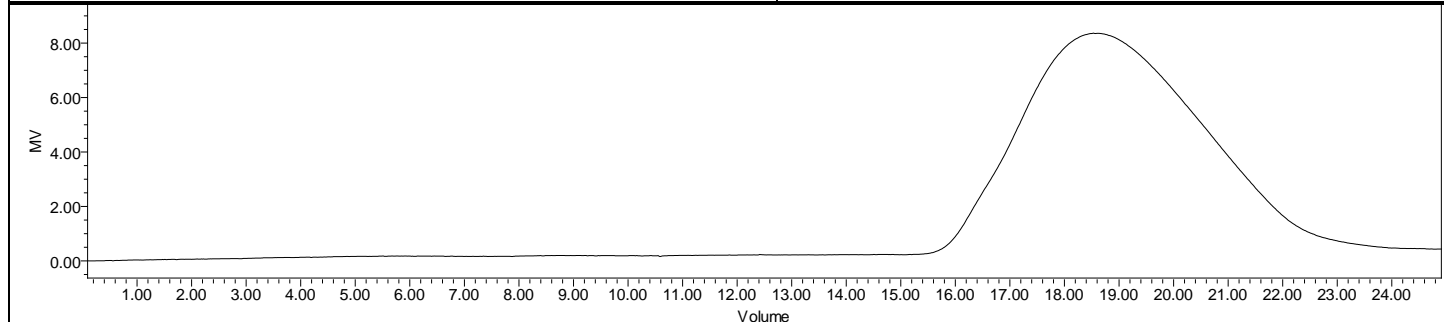
Product Name: Poly((D,L) Lactic acid) ester endcap (Mn: 45,000-55,000 Da)
(Lot#: 240112AHT-A)



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



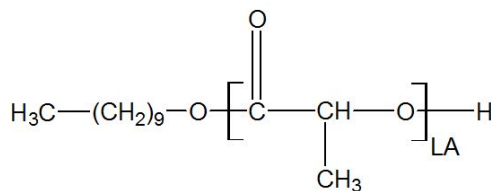
FTIR Analysis: Collected from IS5 ID7-ATR spectrometer (ThermoFisher) and analyzed in transmission mode.



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
PDLA	46,002	87,252	1.90

• Structure of PDLA copolymers



Approved By:
Amie Tyler
Quality Manager