

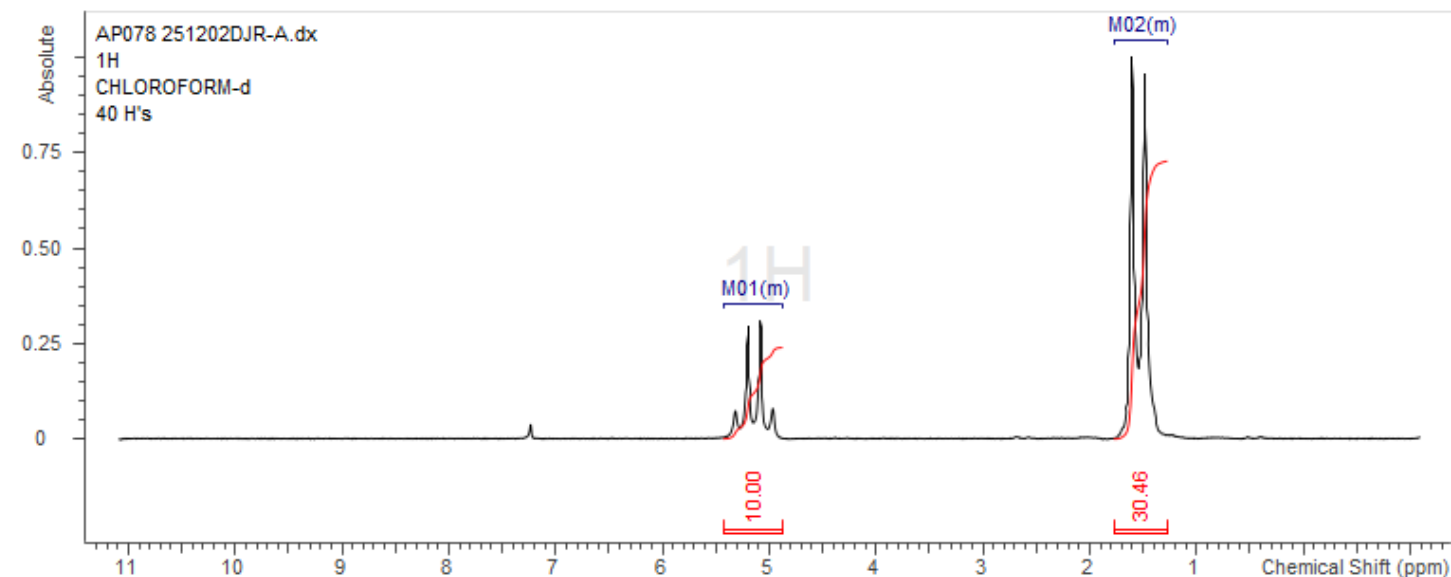
No. AP326

Certificate of Analysis



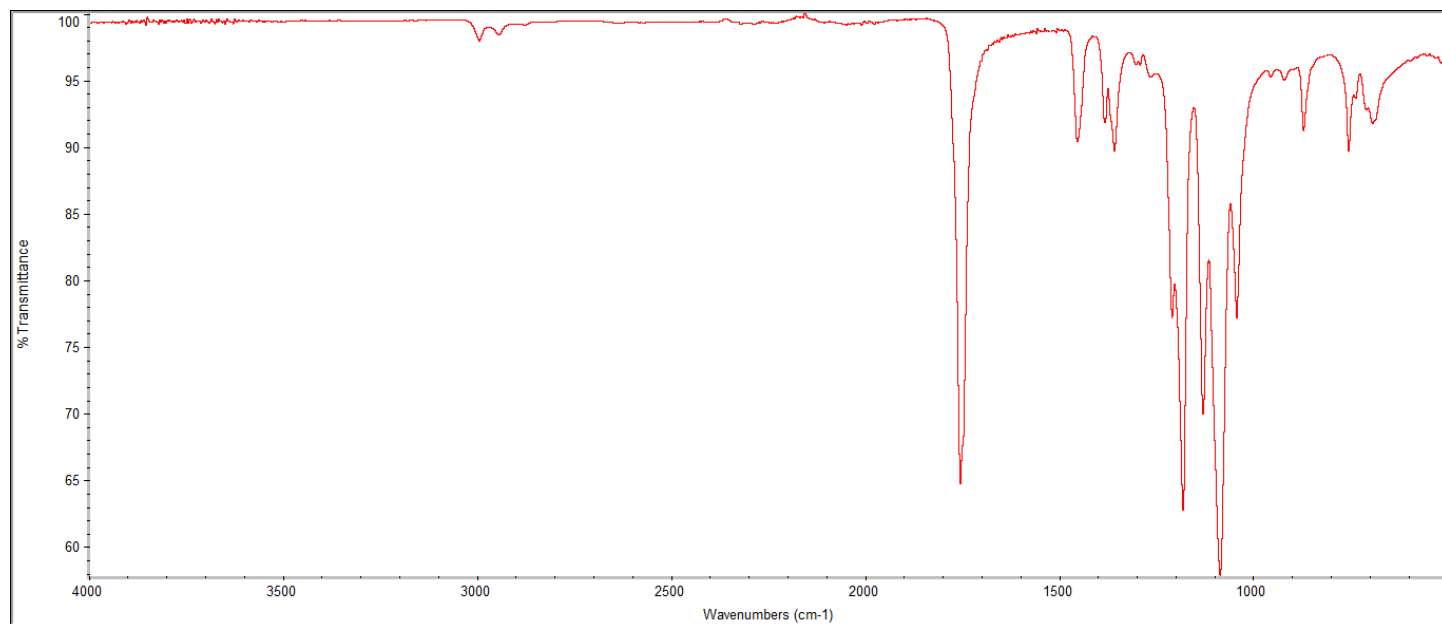
Product Name: Poly(L-lactic acid) acid endcap (M_n : 20,000-25,000 Da) (Lot#: 251202DJR-A)

H-NMR



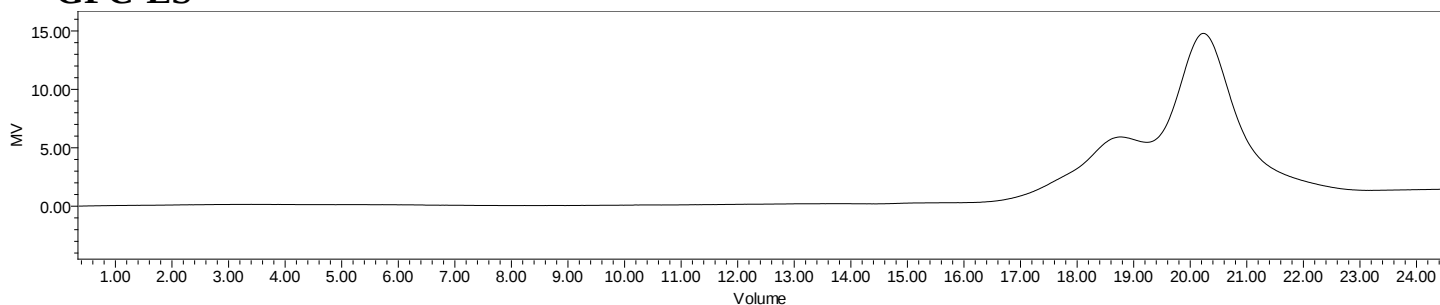
H-NMR Spectrum of copolymers in CDCl₃ (NMReady-60e, Nanalysis 60 MHz) NMR of PLLA copolymer

FTIR



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

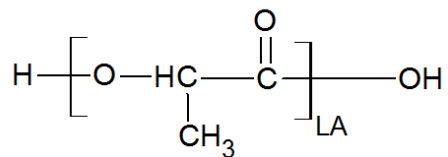
GPC-ES



Polymer	M _n (from GPC)	M _w (from GPC)	PDI
PLLA	24,094	26,835	1.11

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.

Structure of copolymers



Approved By:
Amie Tyler
Quality Manager