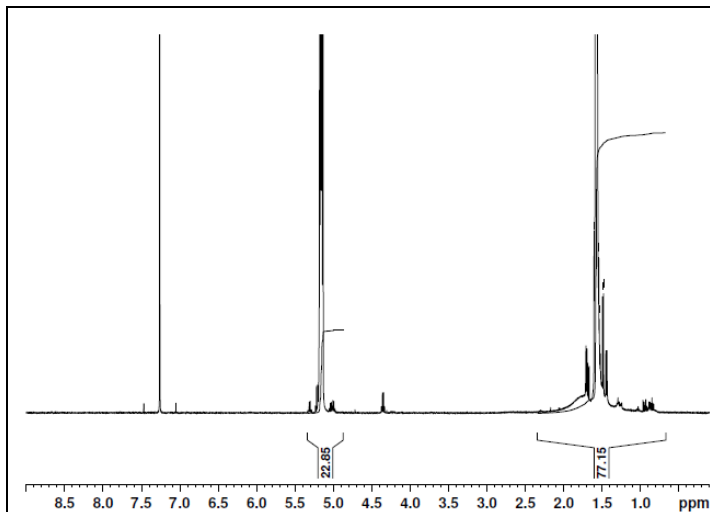
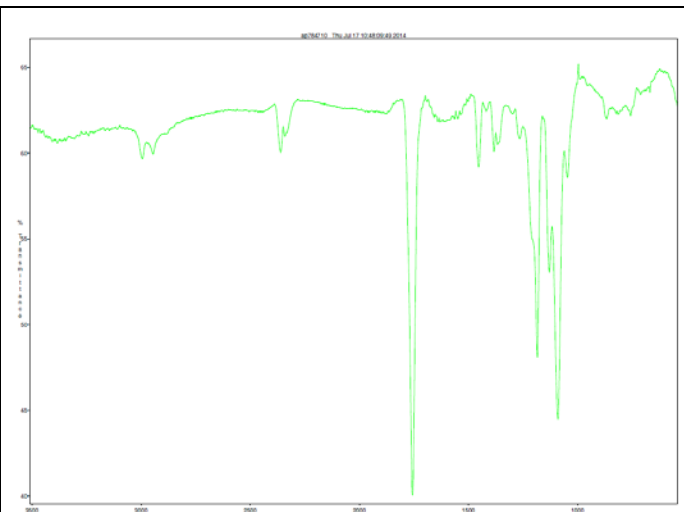


# No. AP78 Certificate of Analysis

Product Name: Poly(L-lactic acid) acid endcap ( $M_n$ : 25,000-35,000 Da) (Lot#: 40708FCK)

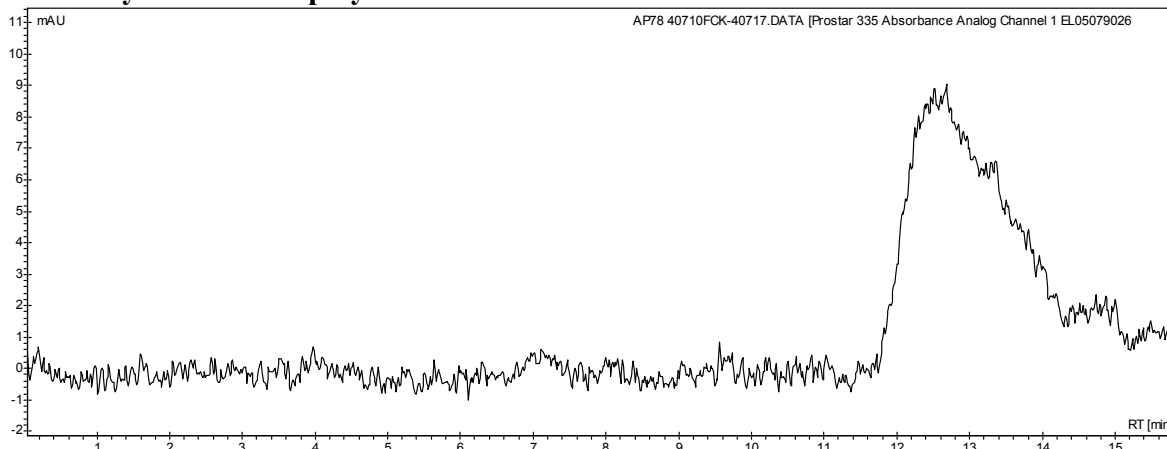


H-NMR Spectrum of PLLA polymer in  $CDCl_3$   
(Varian Inova 500 MHz instrument)



FTIR Analysis: Collected from cast-film on KBR salt-plate  
placed in Satellite FTIR (Thermo-Mattson) and  
analyzed in transmission mode

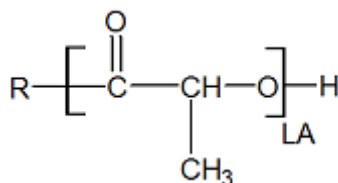
- GPC analysis of PLLA polymer**



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Phenogel 5 $\mu$ m columns and one PLGel Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	$M_n$ (from GPC)	$M_w$ (from GPC)	PDI
PLLA	25,067	36,556	1.46

- Structure of PLLA polymer**



Material provided for research use only. Not for human use.

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