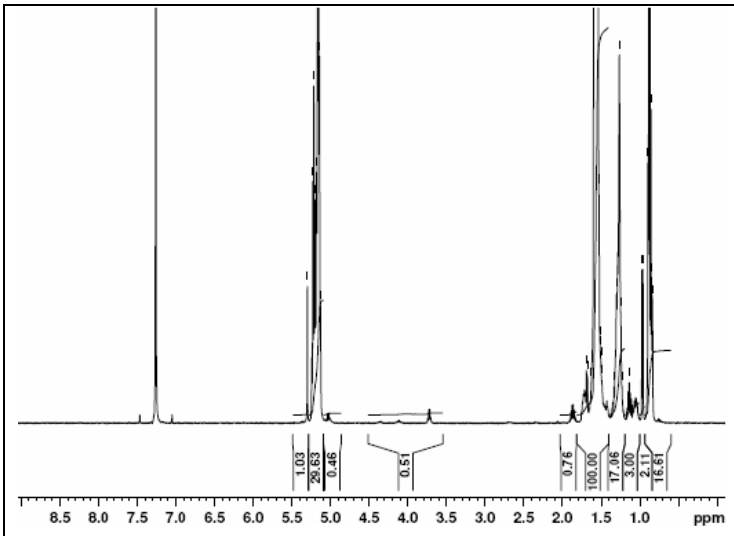
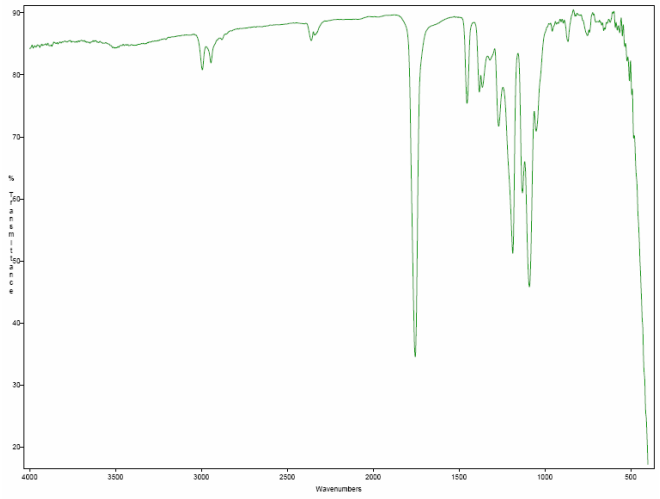
No. AP72 Certificate of Analysis

Product Name: Poly(DL-lactic acid) ester endcapped (Mn: 75kDa-85kDa) (Lot#: 30215SMG)

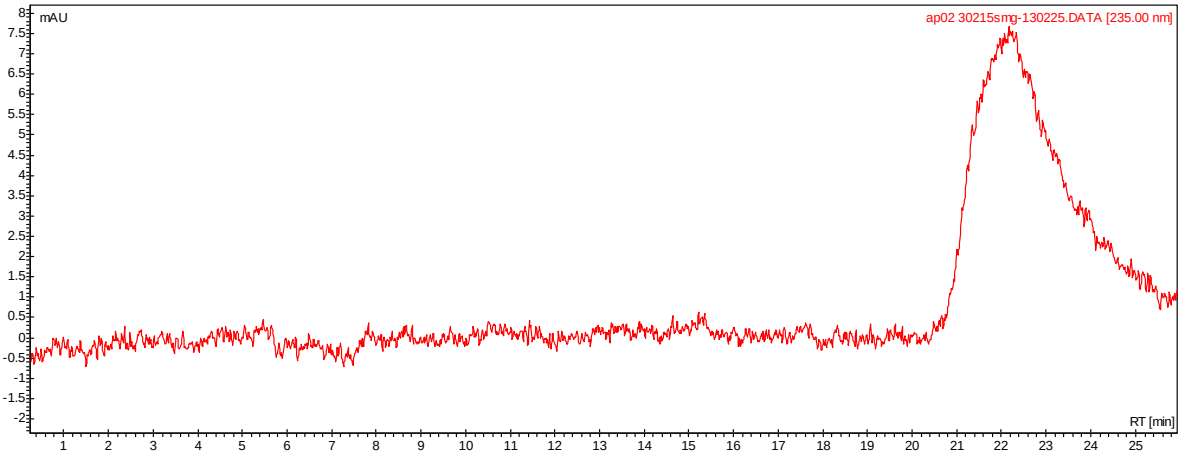


H-NMR Spectrum of PLA polymers in CDCl3 (Varian Inova 500 MHz instrument)

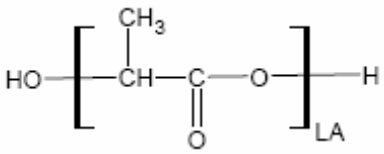


FTIR Analysis: Collected from cast-film on KBR salt-plate placed in Satellite FTIR (Thermo-Mattson) and analyzed in transmission mode.

- **GPC analysis of PLA polymers**



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across four Phenogel 5u columns (Agilent). Detection via UV/Vis, calibrated against polystyrene standards

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
PLA	81128	105130	1.30

- **Structure of PLA polymers**