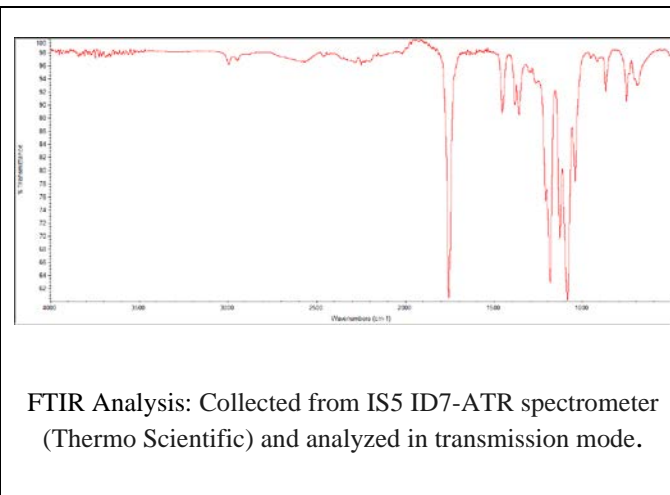
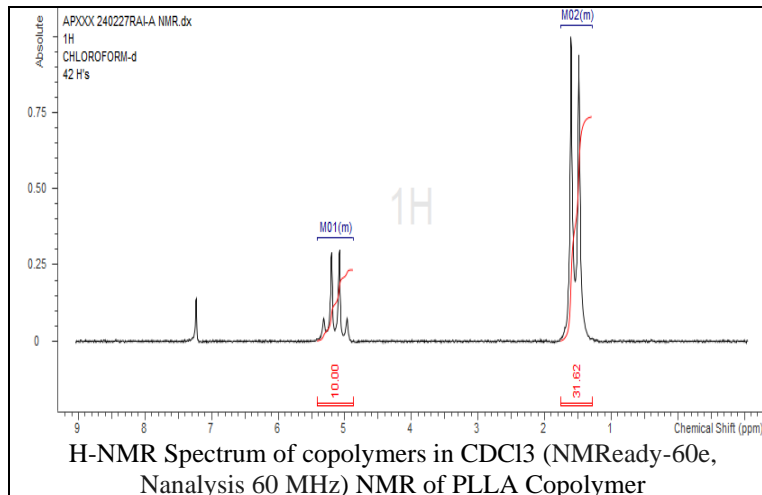


No. AP313

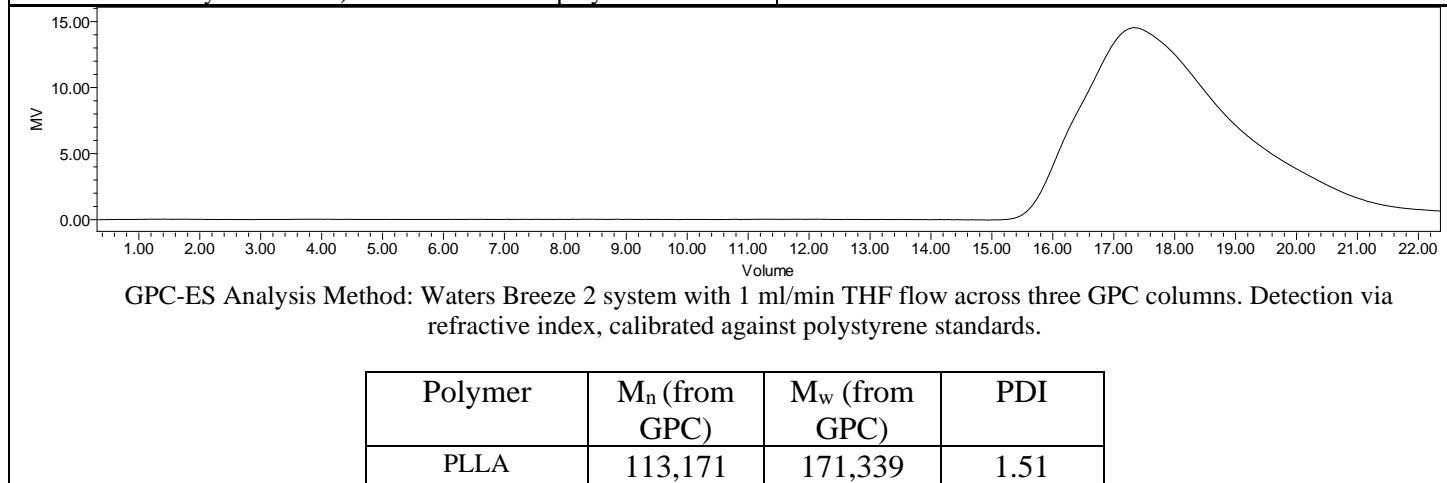
Certificate of Analysis



Product Name: Poly(L-lactic acid) ester end-capped (Mn: 100,000-200,000 Da)
(Lot#: 240227RAI-A)



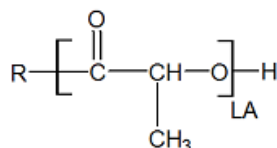
FTIR Analysis: Collected from IS5 ID7-ATR spectrometer (Thermo Scientific) and analyzed in transmission mode.



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
PLLA	113,171	171,339	1.51

- **Structure of PLLA copolymers**



R – 1-decanol ester endcap

Approved By:
Amie Tyler
Quality Manager