

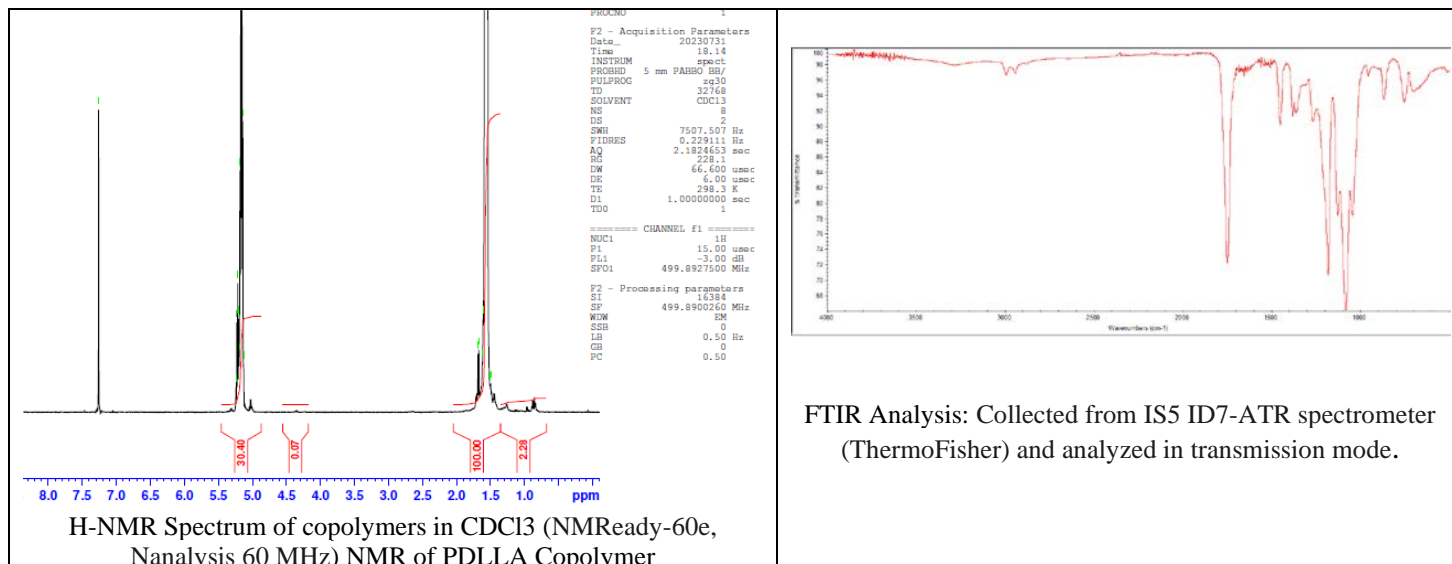
# No. AP304

# Certificate of Analysis

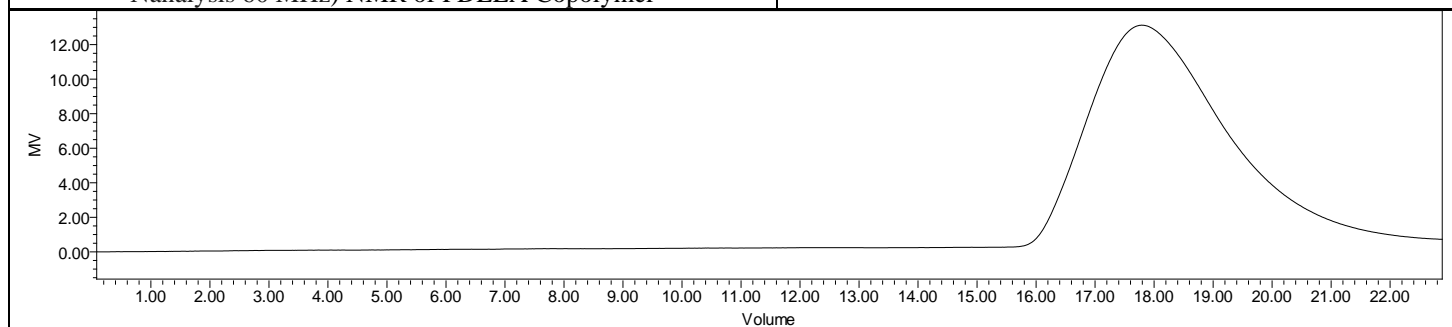


Product Name: Poly(D,L-lactide) acid endcap ( $M_n$  80,000-120,000 Da)

L:D 86:14 (Lot# 230727RAI-B)



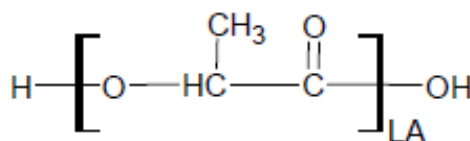
FTIR Analysis: Collected from IS5 ID7-ATR spectrometer (ThermoFisher) and analyzed in transmission mode.



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
PDLLA	80,372	116,167	1.44

## Structure of PDLLA copolymers



Approved By:  
Amie Tyler  
Quality Manager