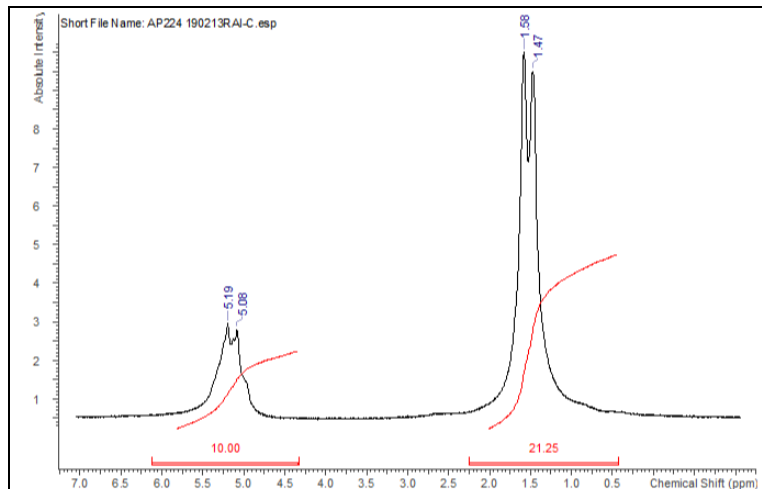


# No. AP249

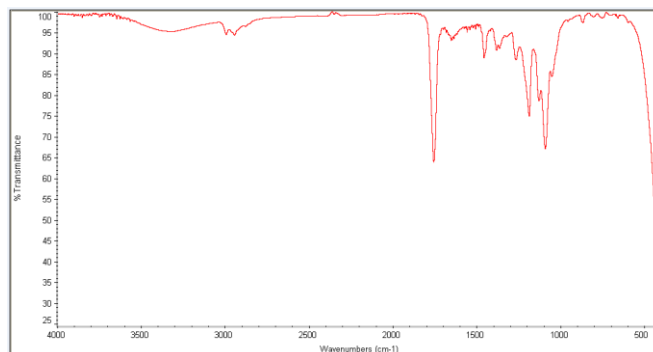
# Certificate of Analysis



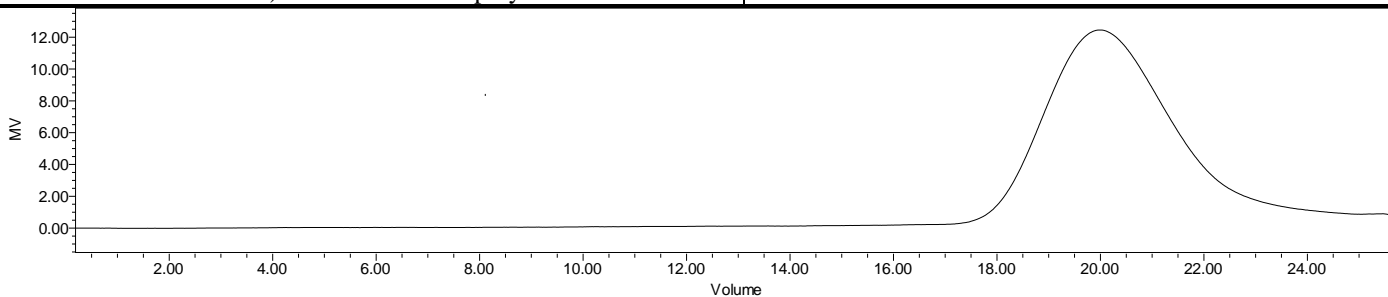
Product Name: Poly((D,L)lactide) acid endcap (Mn 15,000-25,000 Da)  
(Lot# 190213RAI-C)



H-NMR Spectrum of copolymers in CDCl<sub>3</sub> (Varian Inova 500 MHz instrument) NMR of PDLLA polymer



FTIR Analysis: Collected from cast-film on KBr salt-plate placed in Nicolet Avatar 320 spectrometer and analyzed in transmission mode.



GPC 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 <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
PDLLA	20,689	29,235	1.41

- **Structure of P(D,L)La copolymers**

