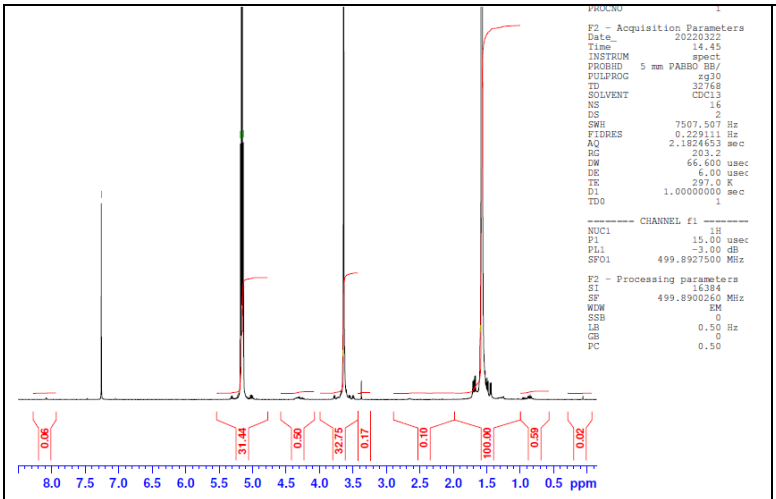
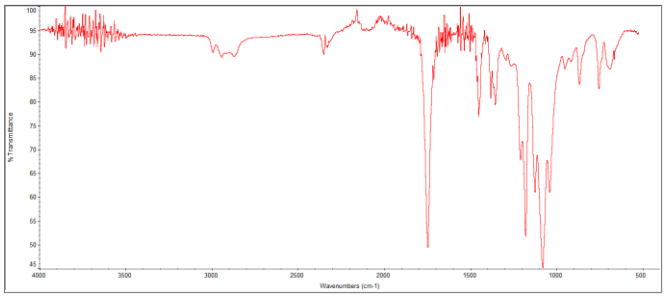
No. AK041 Certificate of Analysis

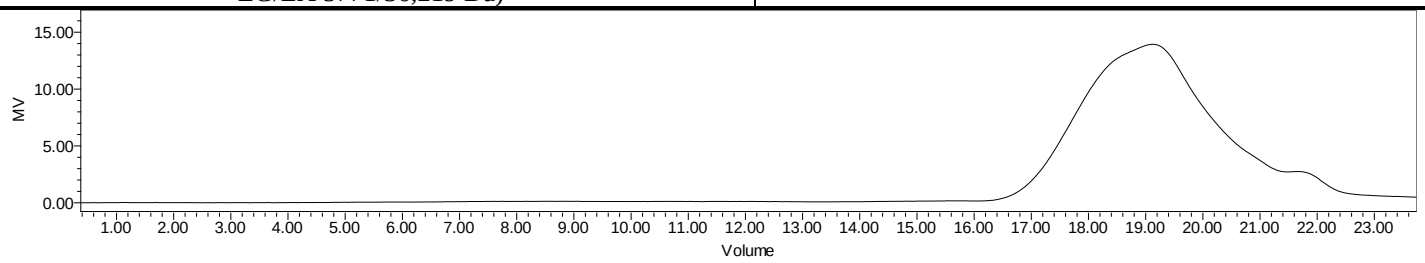
Product Name: Methoxy poly(ethylene glycol)-b-poly((L)-lactic acid) (5,000:30,000Da) (Lot# 220316BRD-A)



H-NMR Spectrum of copolymers in CDCl3 (Bruker ≥300 MHz, PINMRF) NMR of mPEG-PLLA copolymer: EG/LA =131/503 (Mn EG/LA 5771/36,219 Da)

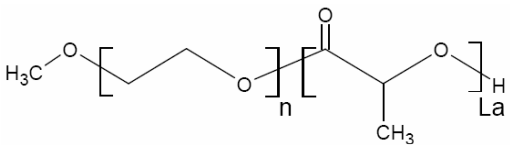


FTIR Analysis: Collected from Nicollet Avatar 380 spectrometer with ATR Smart Orbit and analyzed in transmission mode.



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
mPEG-PLLA	35,059	59,089	1.69
PEG precursor*	5788*		

*- from MFG data

- **Structure of mPEG-PLLA copolymers**