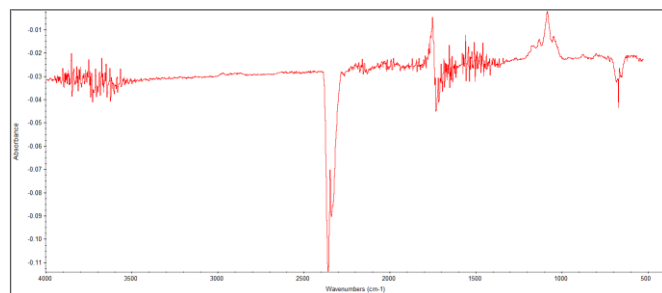
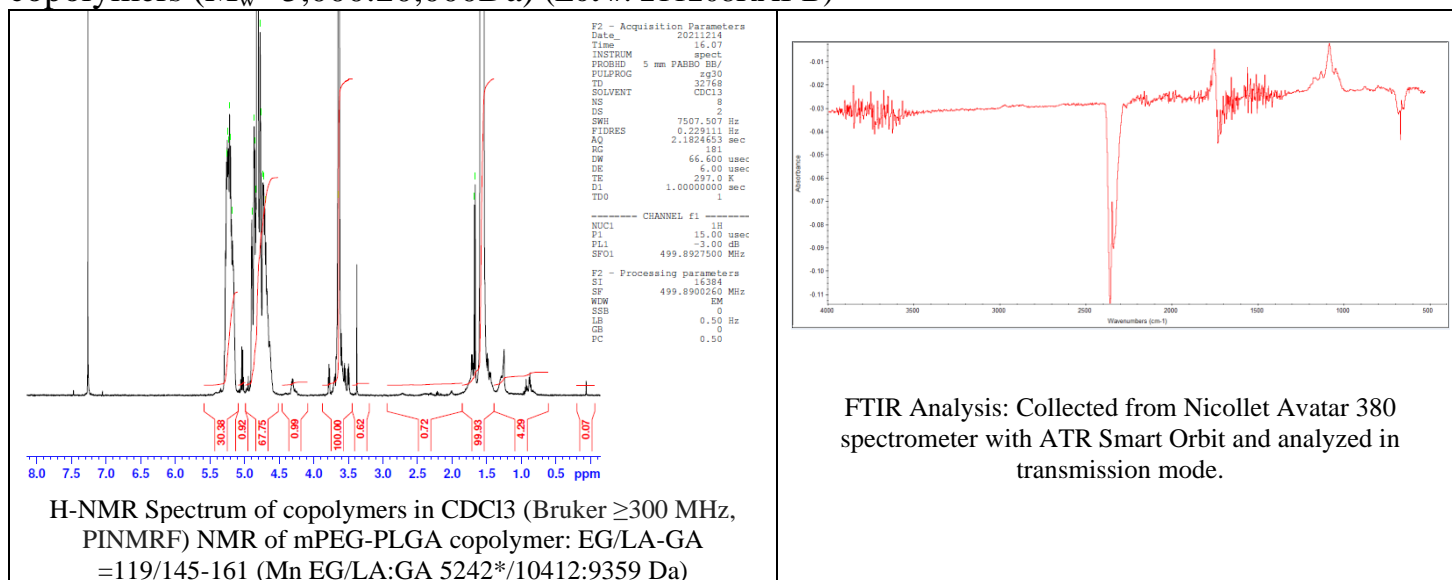


No. AK037

Certificate of Analysis

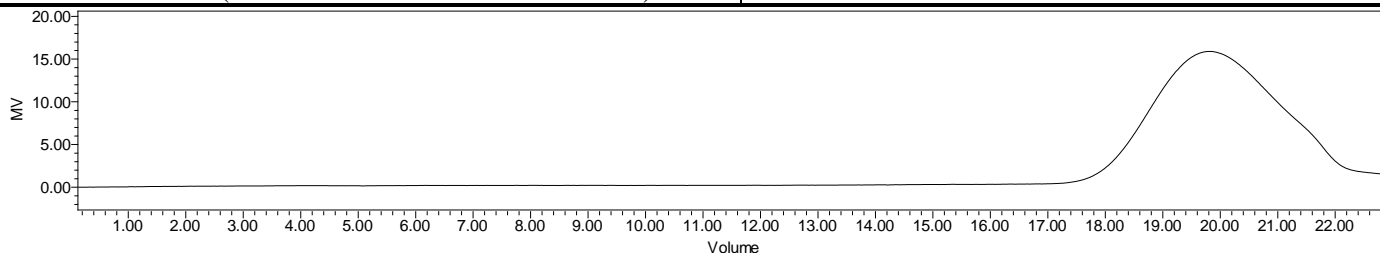


Product Name: Methoxy Poly(ethylene glycol)-*b*-Poly(lactic-co-glycolic acid) copolymers ($M_w \sim 5,000:20,000$ Da) (Lot #: 211208RAI-B)



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

H-NMR Spectrum of copolymers in CDCl₃ (Bruker ≥300 MHz, PINMRF) NMR of mPEG-PLGA copolymer: EG/LA-GA =119/145-161 (M_n EG/LA:GA 5242*/10412:9359 Da)



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-PLGA	22,266	32,327	1.45
PEG precursor*	5236*		

*- from MFG data

Structure of mPEG-PLGA copolymers

