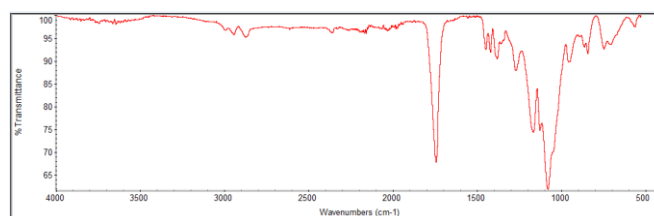
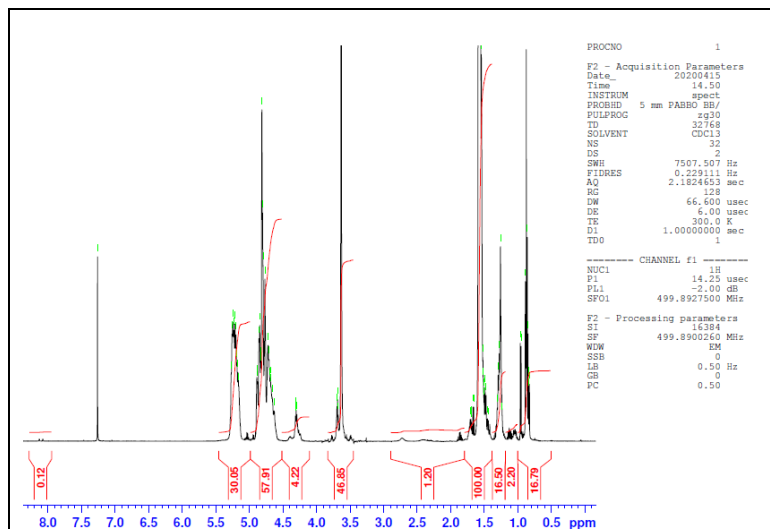


# No. AK077

# Certificate of Analysis

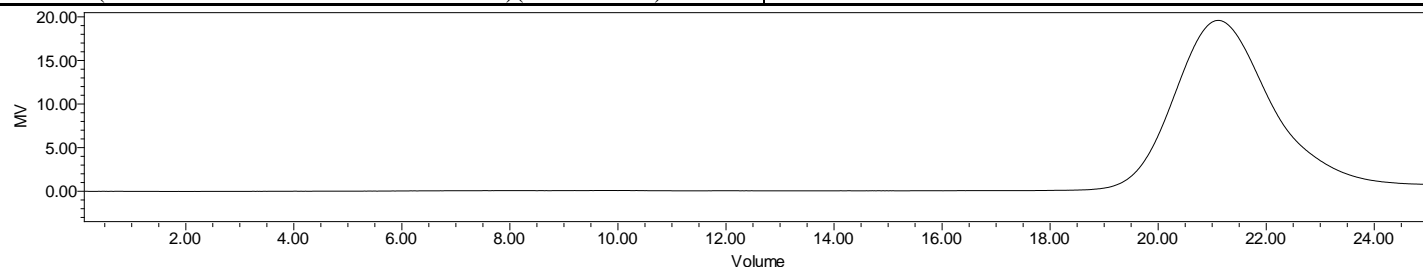


Product Name: Poly(lactic-co-glycolic acid)-*b*-Poly(ethylene glycol)-*b*-Poly(lactic-co-glycolic acid) copolymers (3500-1000-3500, 50:50 LA:GA) (Lot# 200408RAI-C)



FTIR Analysis: Collected from cast-film on KBr salt-plate placed in Nicolet Avatar 380 spectrometer with ATR Smart Orbit and analyzed in transmission mode.

H-NMR Spectrum of copolymers in CDCl<sub>3</sub> (Bruker ≥300 MHz, PINMRF) NMR of PLGA-PEG copolymer: EG/LA-GA =23/59-57 (M<sub>n</sub> EG/LA:GA 1013\*/4249:3300 Da)(\*-MFG data)



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
PLGA-PEG	8440	12,270	1.45
PEG precursor*		1021*	

\*- from MFG data

## • Structure of PLGA-PEG-PLGA triblock copolymers

