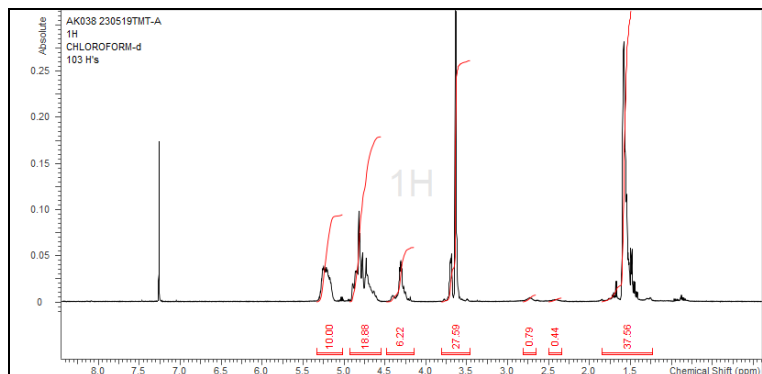


No. AK038

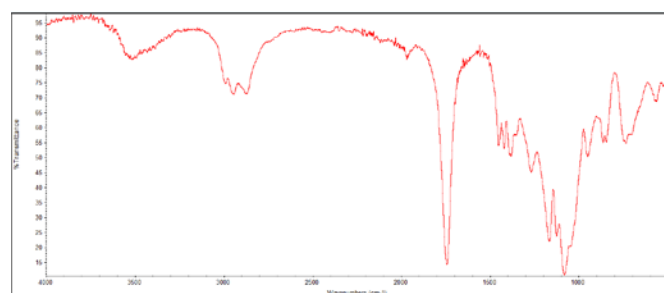
Certificate of Analysis



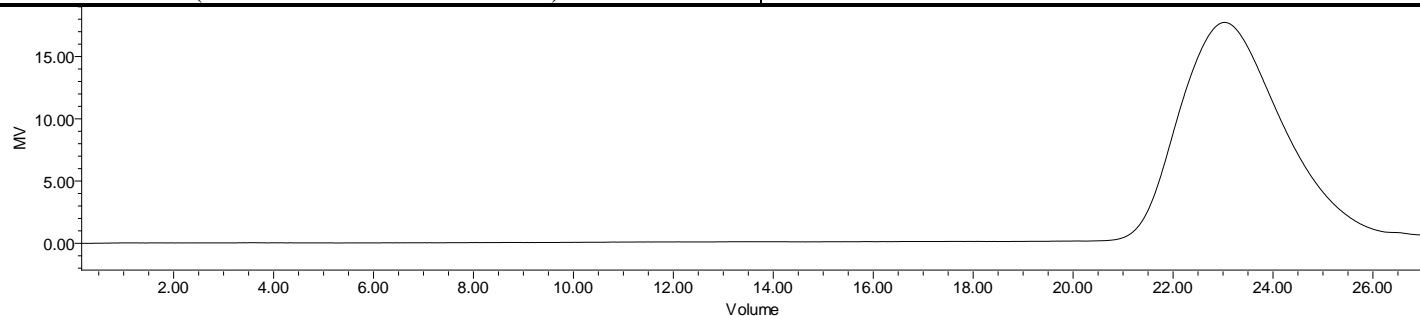
Product Name: Poly(lactic-co-glycolic acid)-b-Poly(ethylene glycol)-b-Poly(lactic-co-glycolic acid) copolymers (800-400-800, 1:1 LA:GA) (Lot# 230519TMT-B)



H-NMR Spectrum of copolymers in CDCl₃ (Bruker ≥300 MHz, PINMRF) NMR of PLGA-PEG copolymer: EG/LA-GA =9/13-12 (Mn EG/LA:GA 396/939-715 Da)



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

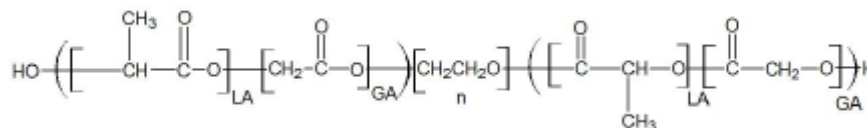


GPC-ES Analysis Method: Waters Breeze 2 system with 1 ml/min THF flow across three GPC columns. Detection via refractive index, calibrated against polystyrene standards.

Polymer	M _n (from GPC)	M _w (from GPC)	PDI
mPEG-PLGA	2324	3108	1.34
PEG precursor*		396*	

*- from MFG data

• Structure of PLGA-PEG-PLGA triblock copolymers



Approved By:
Amie Tyler
Quality Manager