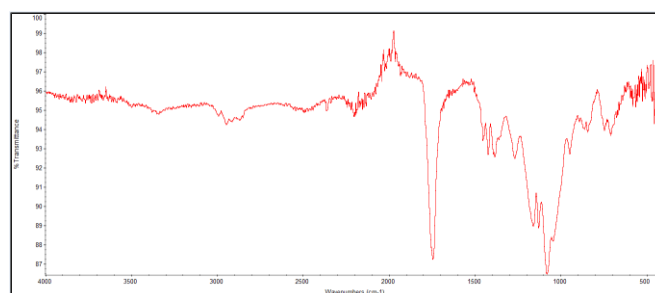
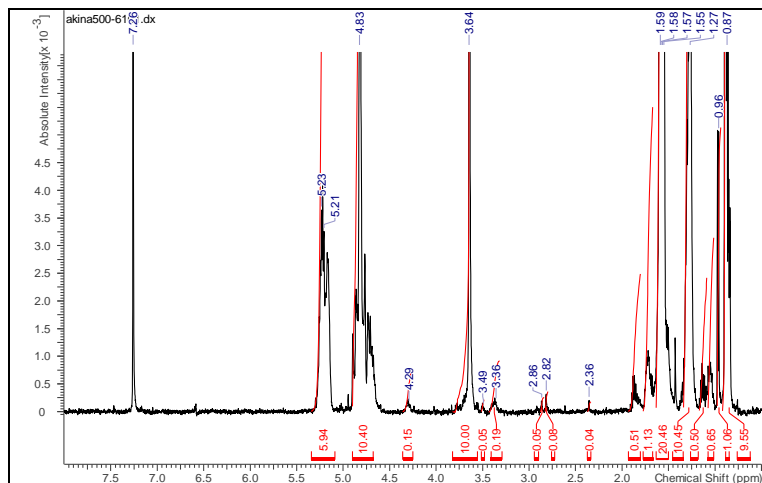


# No. AI197

# Certificate of Analysis

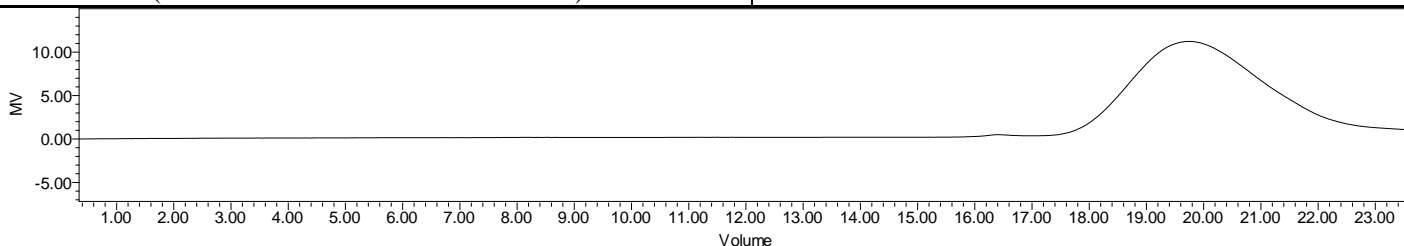


Product Name: Poly(lactide-co-glycolide)-b-Poly(ethylene glycol)-N-hydroxy-succinimide endcap ( $M_w \sim 30,000-5,000$  Da) (Lot #200925FAJ-A)



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  $CDCl_3$  (Bruker  $\geq 300$  MHz, PINMRF) NMR of PLGA copolymer: EG/LA-GA = 109/261-238 (Mn EG/LA:GA 4802/18804:13824 Da)



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	$M_n$ (from GPC)	$M_w$ (from GPC)	PDI
PLGA-PEG	25,524	35,387	1.39
PEG-Precursor	4800*		

\*- from MFG data

## Structure of PLGA-PEG-NHS copolymers

