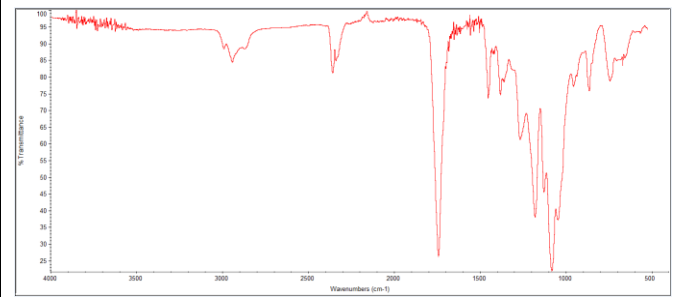
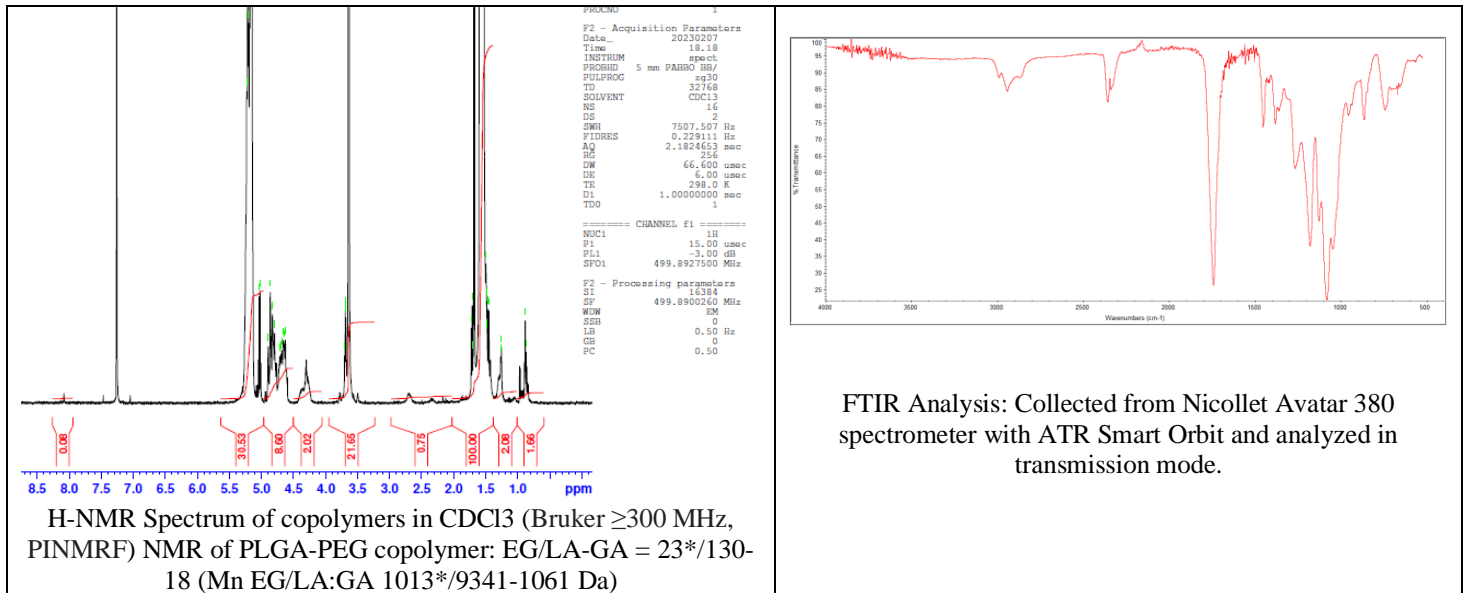


# No. AK064

# Certificate of Analysis

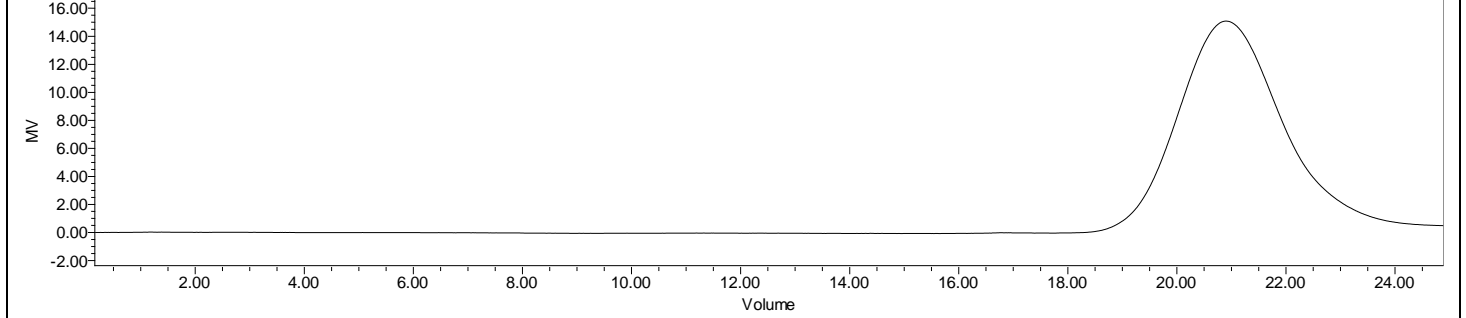


Product Name: Poly(lactide-co-glycolide)-*b*-Poly(ethylene glycol)-*b*-Poly(lactide-co-glycolide) copolymers (5000-1000-5000, 90:10 LA:GA)  
(Lot# 230127RAI-A)



FTIR Analysis: Collected from Nicolet Avator 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\*/130-18 (Mn EG/LA:GA 1013\*/9341-1061 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 <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
PLGA-PEG	10,043	14,234	1.42
PEG precursor*		1000*	

\*- from MFG data

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

