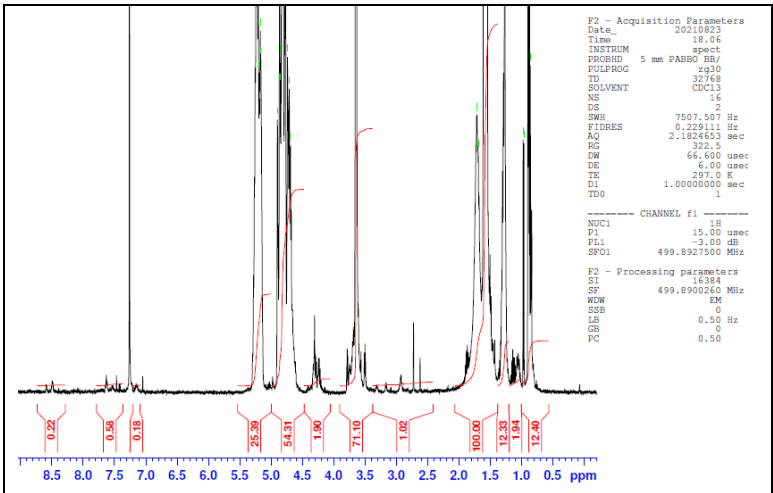
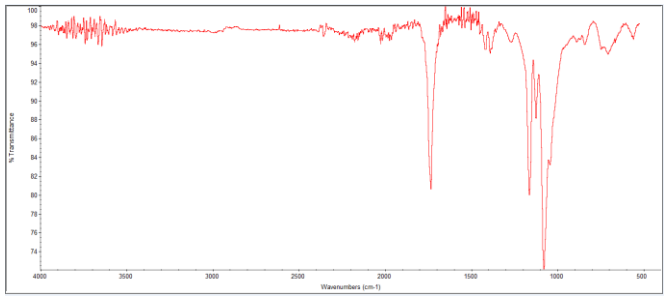
No. AI222 Certificate of Analysis

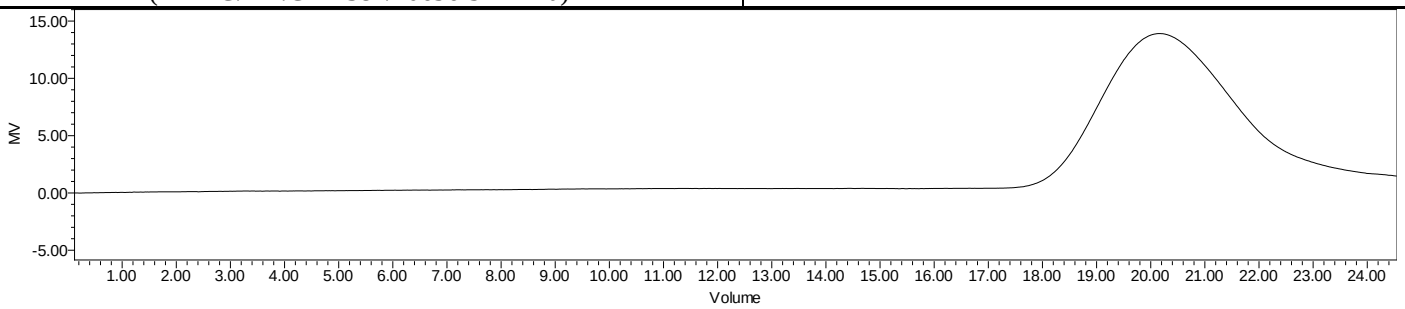
Product Name: Poly(lactide-co-glycolide)-b-poly(ethylene glycol)-Pyridine Dithioethylamide (Mw ~20,000-5,000 Da) (Lot# 210812AHT-A)



H-NMR Spectrum of copolymers in CDCl3 (Bruker ≥300 MHz, PINMRF) NMR of PLGA copolymer: EG/LA-GA =104/149-159 (Mn EG/LA:GA 4582/10696-9221 Da)

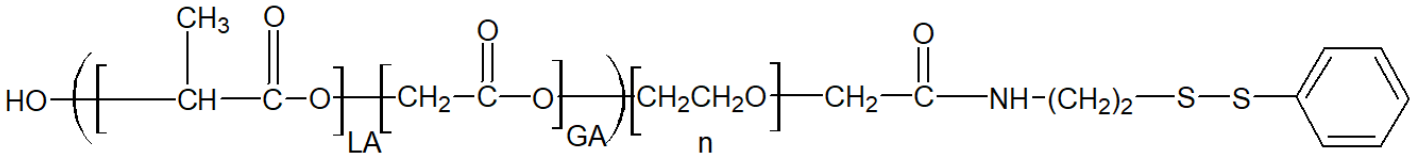


FTIR Analysis: Collected from Nicollet Avatar 380 spectrometer with ATR Smart Orbit and analyzed in transmission mode.



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-OPSS	17,096	26,505	1.55
PEG-precursor*	4600*		

*- from MFG data

- **Structure of PLGA-PEG-OPSS**