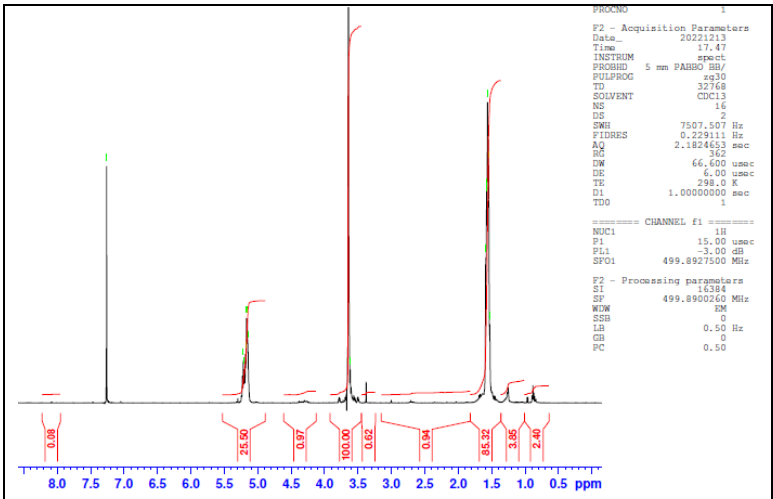
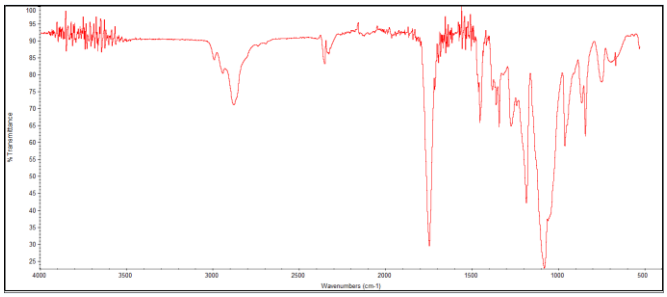
No. AI249 Certificate of Analysis

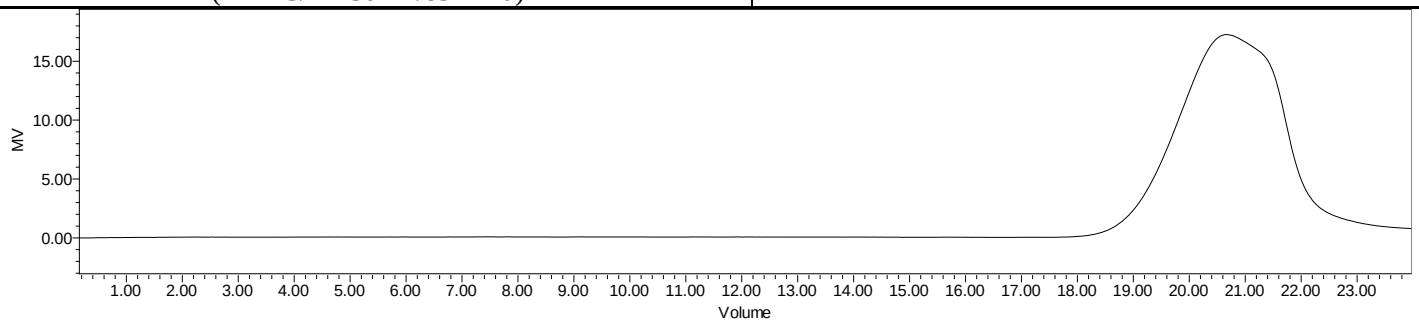
Product Name: : Methoxy Poly(ethylene glycol)-*b*-Poly((L)lactide) di-block copolymers acid endcap (5,000:10,000Da) (Lot#: 221130JSG-A)



H-NMR Spectrum of copolymers in CDCl3 (Bruker ≥300 MHz, PINMRF) NMR of PLGA-PEG copolymer: EG*/LA =114*/116 (Mn EG/LA 5022*/8372 Da)

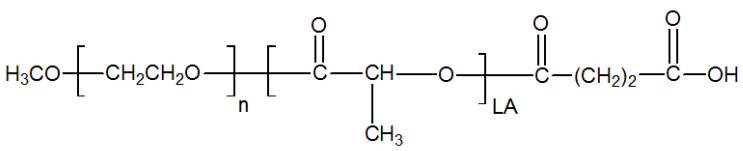


FTIR Analysis: Collected from Nicollet Avatar 380 spectrometer with ATR Smart Orbit and analyzed in transmission mode.



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-PLA-COOH	13,616	17,885	1.31
mPEG-precursor*	5022*		

*- from MFG data

- **Structure of mPEG-P(DL)LA-COOH copolymers**