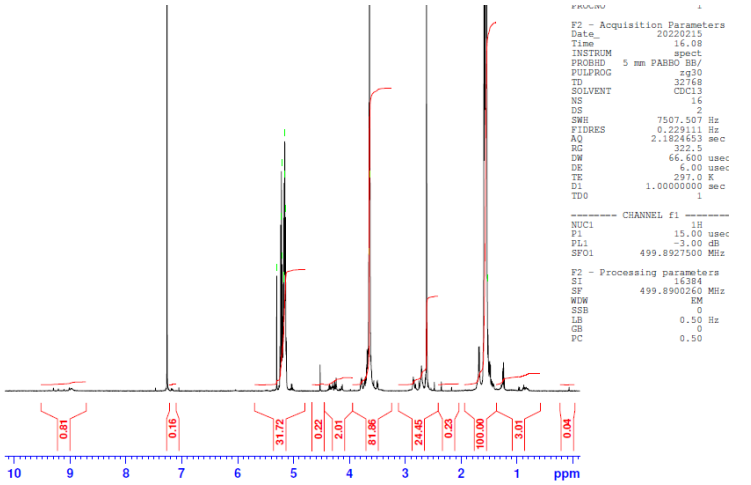
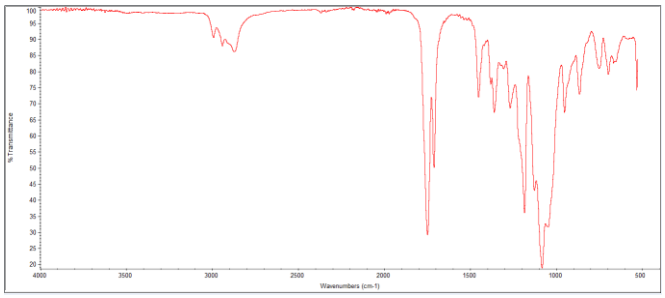
No. AI225 Certificate of Analysis

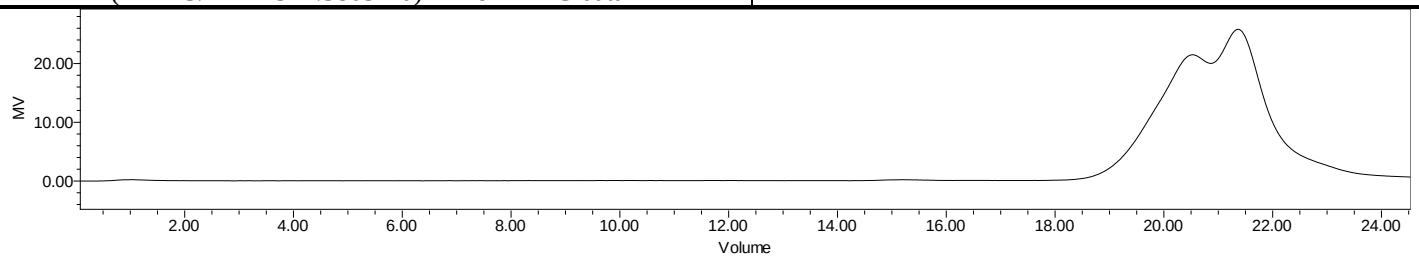
Product Name: Poly(DL-lactide)-b-Poly(ethylene glycol)-Amine (succinic acid dihydrazide) copolymers (Mw ~ 5,000:2,000Da) (Lot#: 220208RAI-B)



H-NMR Spectrum of copolymers in CDCl3 (Bruker ≥300 MHz, PINMRF) NMR of PDLLA-PEG-NH_2 copolymer: EG/LA =52*-81 (Mn EG/LA 2291*:5803 Da) *- from MFG data



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

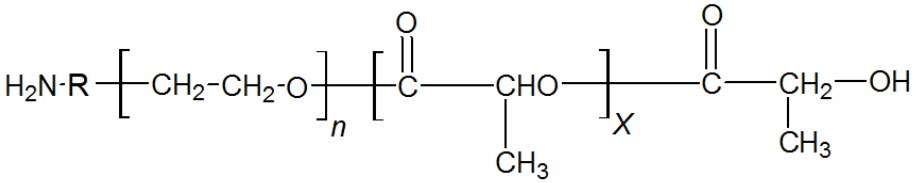


GPC-ES Analysis Method: Waters Breeze 2 system with 1 ml/min THF flow across three GPC columns. Detection via refractive index, calibrated against polystyrene standards.

Polymer	M_n (from GPC)	M_w (from GPC)	PDI
PLGA-PEG	12,228	16,503	1.35
PEG-precursor	2300*		

*- from MFG data

- **Structure of PDLLA-PEG-NH_2 copolymers**



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