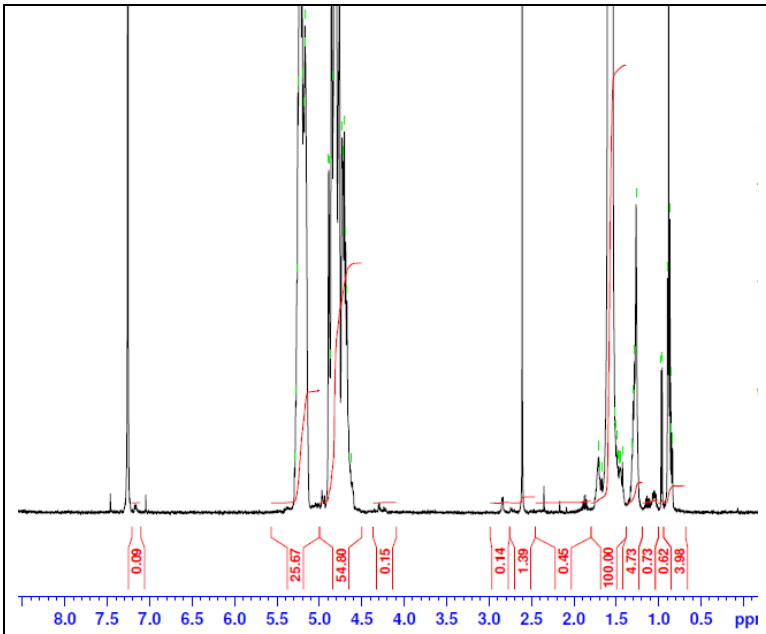
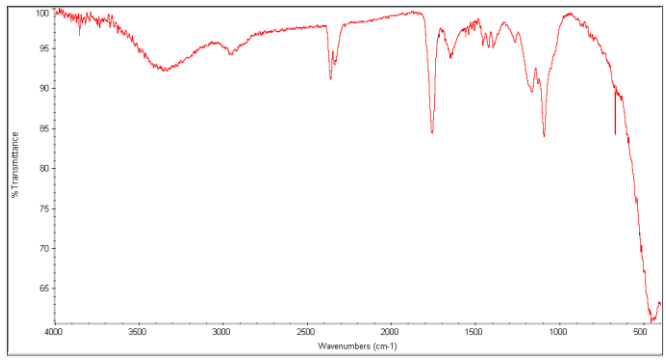
No. AI112 Certificate of Analysis

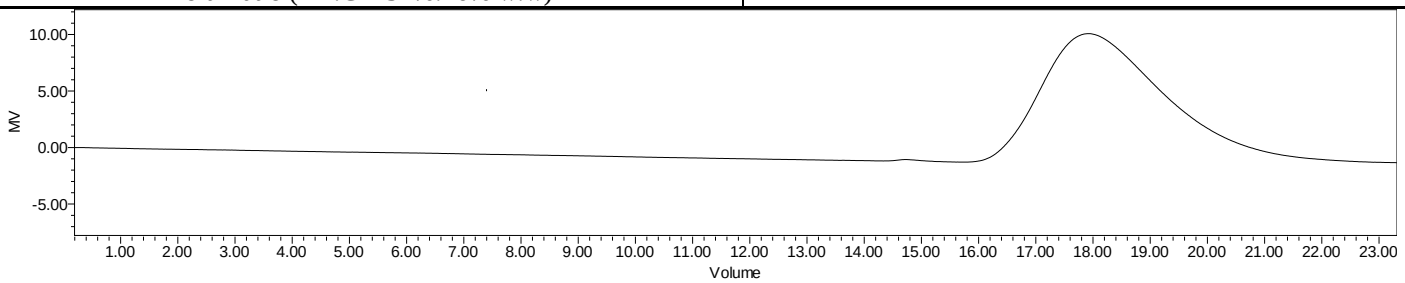
Product Name: Poly(lactic-co-glycolic) copolymers amine endcap (succinic dihydrazide) (LA:GA 50:50, M_n ~ 45,000-55,000 Da) (Lot#: 190814RAI-A)



H-NMR Spectrum of copolymers in CDCl3 (Bruker 500 MHz, PINMRF) NMR of PLGA-NH_2 copolymer: LA-GA =48%/52% molar ratio (LA:GA 54%:46% w:w)



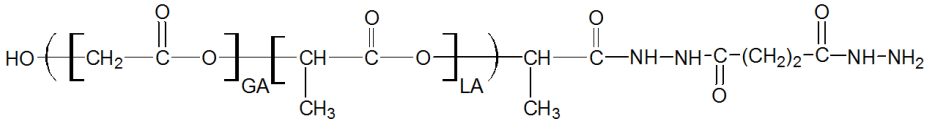
FTIR Analysis: Collected from cast-film on KBr salt-plate placed in Nicollet Avatar 320 spectrometer and analyzed in transmission mode.



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-NH_2	54,522	88,338	1.62

- **Structure of PLGA-NH_2 copolymer**



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