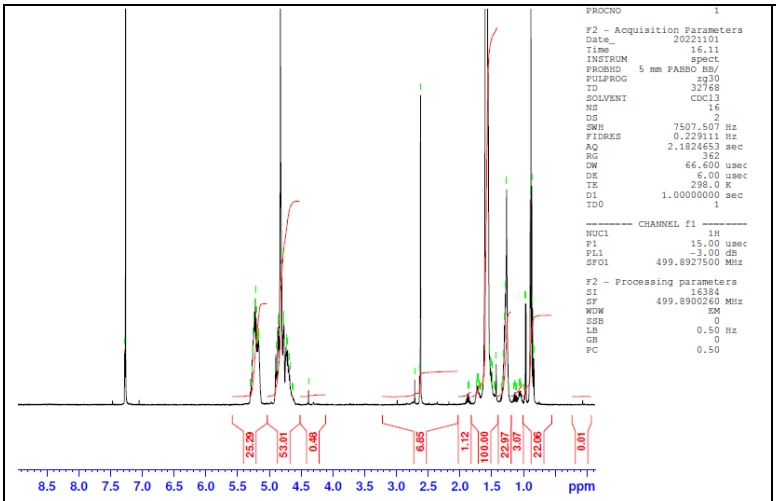
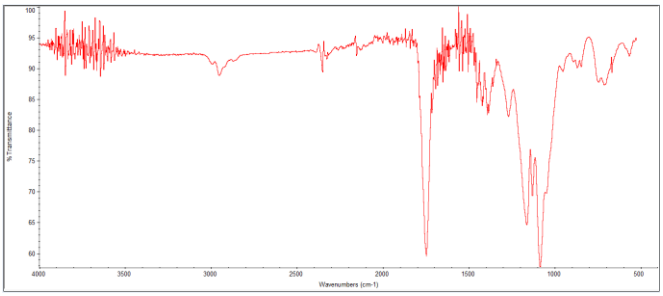
No. AI010 Certificate of Analysis

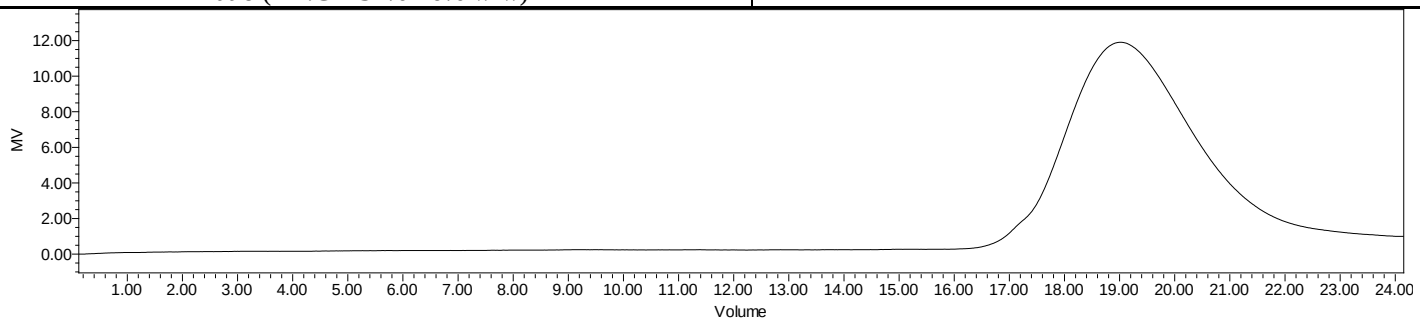
Product Name: Poly(lactide-co-glycolide) amine endcap
(Mn: 15,000-35,000 Da, 50:50 LA:GA, succinic acid dihydrazide) (Lot#: 221021RAI-B)



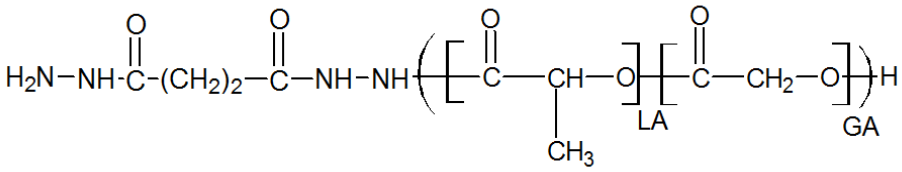
H-NMR Spectrum of copolymers in CDCl3 (Bruker ≥300 MHz, PINMRF) NMR of PLGA copolymer: LA-GA =49%-51% molar ratio (LA:GA 54%-46% w-w)



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-NH_2	31,543	50,057	1.59

- **Structure of PLGA-NH_2 copolymers**