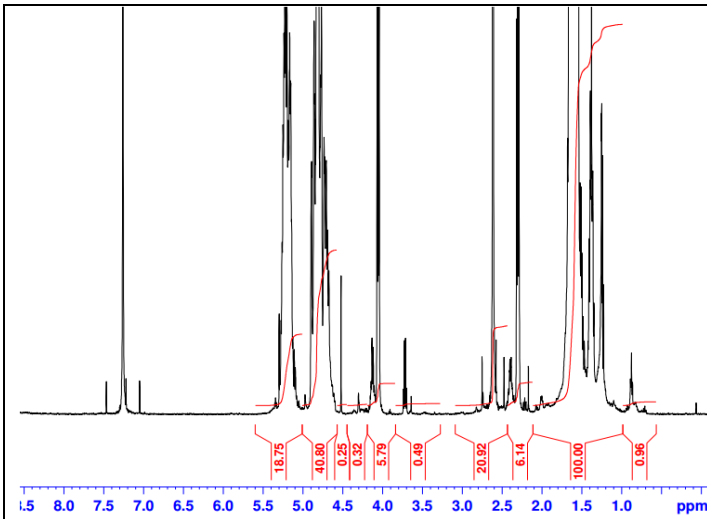


No. AI112

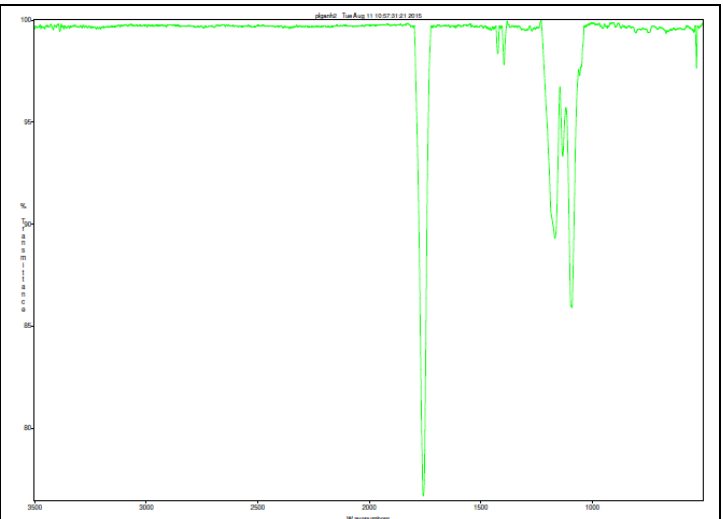
Certificate of Analysis



Product Name: Poly(lactic-co-glycolic) copolymers amine endcap (succinic dihydrazide)
(LA:GA 50:50, $M_n \sim 45,000-55,000$ Da) (Lot#: 50731JSG)

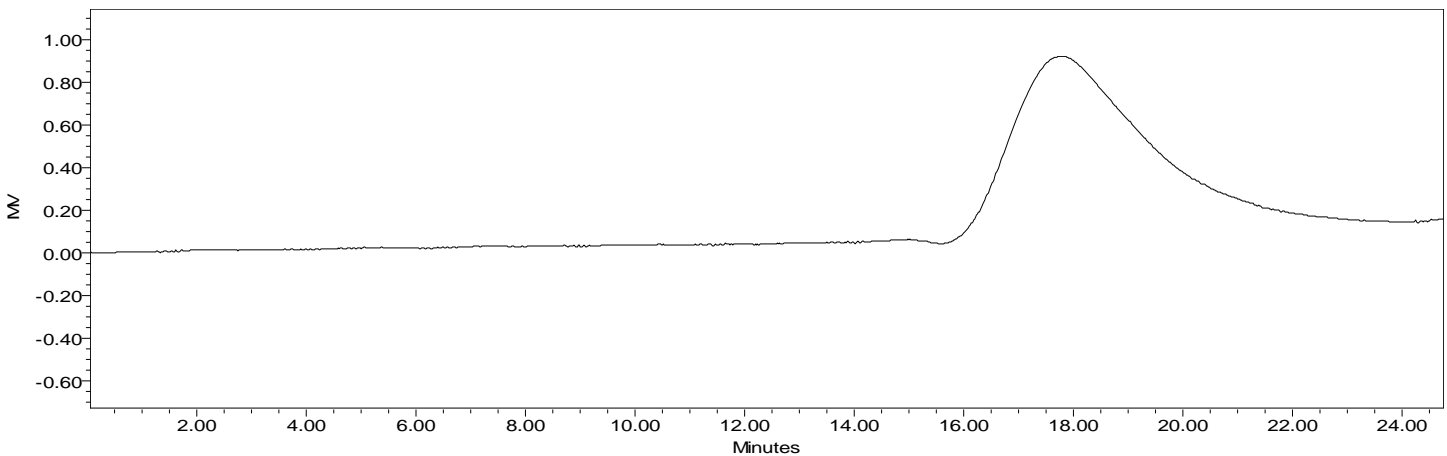


$^1\text{H-NMR}$ Spectrum of PLGA copolymer in CDCl_3 (Varian Inova 500 MHz instrument), NMR of PLGA copolymers: GA/LA = 52%/48% molar ratio (47%/53% w/w)



FTIR Analysis: Collected from cast-film on KBR salt-plate placed in Satellite FTIR (Thermo-Mattson) and analyzed in transmission mode.

- **GPC analysis of PLGA copolymers**



Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across three Phenogel 5um columns (Phenomenex). Detection via refractive index, calibrated against polystyrene standards.

Polymer	M_n (from GPC)	M_w (from GPC)	PDI
PLGA-NH ₂	45,968	65,744	1.43

- **Structure of PLGA-NH₂ copolymer**

