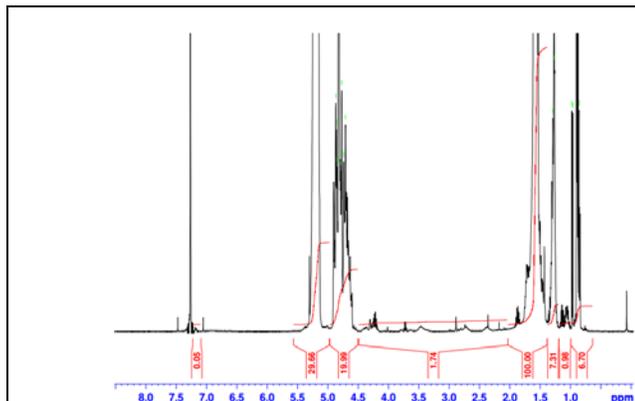


No. AI143

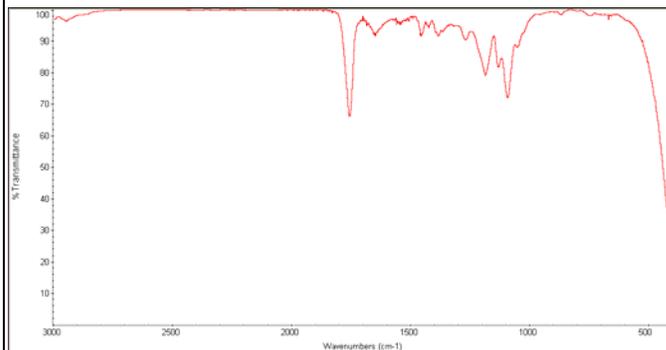
Certificate of Analysis



Product Name: Poly(lactide-co-glycolide) ethylene diamine endcap (Mn: 30,000-50,000 Da, LA:GA 75:25) (Lot#: 60722DWW-A)

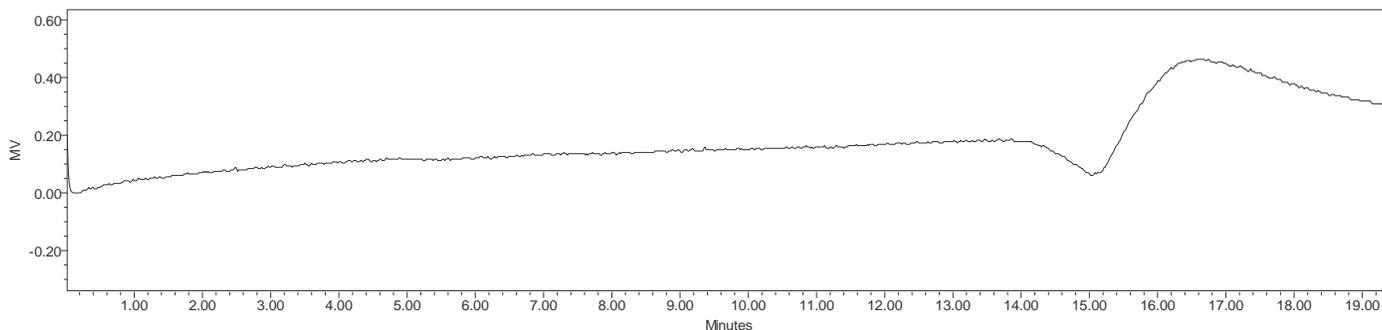


H-NMR Spectrum of PLGA-amine copolymers in CDCl₃ (Varian Inova 500 MHz instrument), NMR of PLGA-amine copolymers: LA/GA = 75%/25% molar ratio (79%/21% w/w)



FTIR Analysis: Collected from cast-film on salt-plate placed in Protégé 460 FTIR (Nicolet) and analyzed in transmission mode.

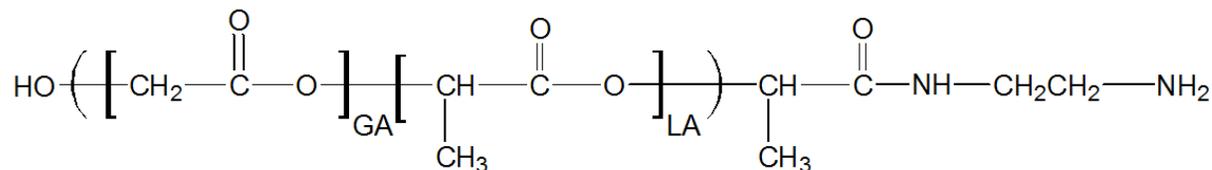
- **GPC analysis of PLGA-NH₂ copolymers**



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	Mn (from GPC)	Mw (from GPC)	PDI
PLGA-NH ₂	41,051	47,328	1.12

- **Structure of PLGA-NH₂ copolymers**



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