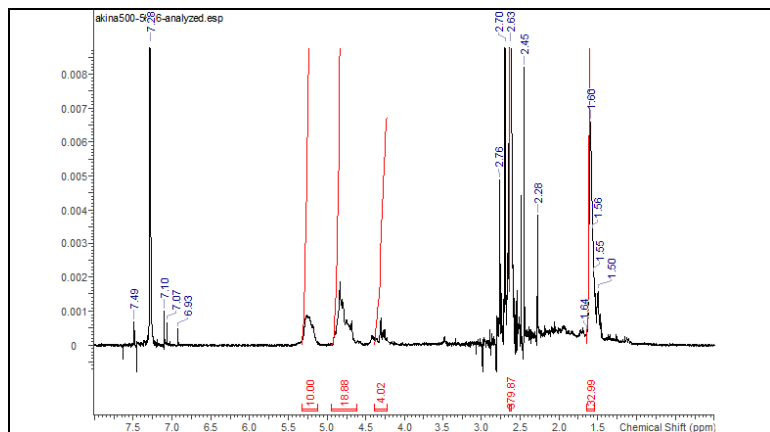


# No. AI014

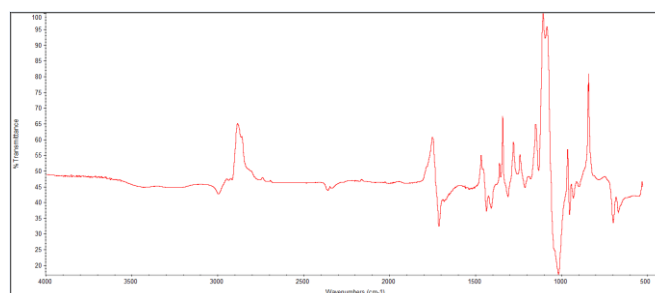
# Certificate of Analysis



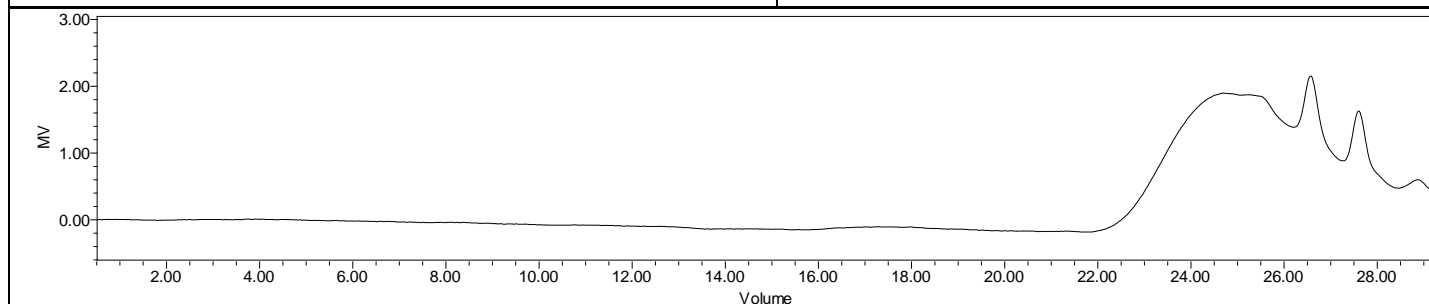
Product Name: Poly(lactic-co-glycolic)-NH<sub>2</sub> (Mn 1000-50000Da)  
succinic acid dihydrazide (Lot #191203RAI-A)



H-NMR Spectrum of copolymers in CDCl<sub>3</sub> (Bruker ≥300 MHz, PINMRF) NMR of PLGA copolymer: LA-GA = 52%-48% (LA:GA 57%-43% w-w)



FTIR Analysis: Collected from cast-film on KBr salt-plate placed in Nicolet Avatar 380 spectrometer with ATR Smart Orbit 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 <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
PLGA-NH <sub>2</sub>	1117	1403	1.26

## • Structure of PLGA-NH<sub>2</sub>

