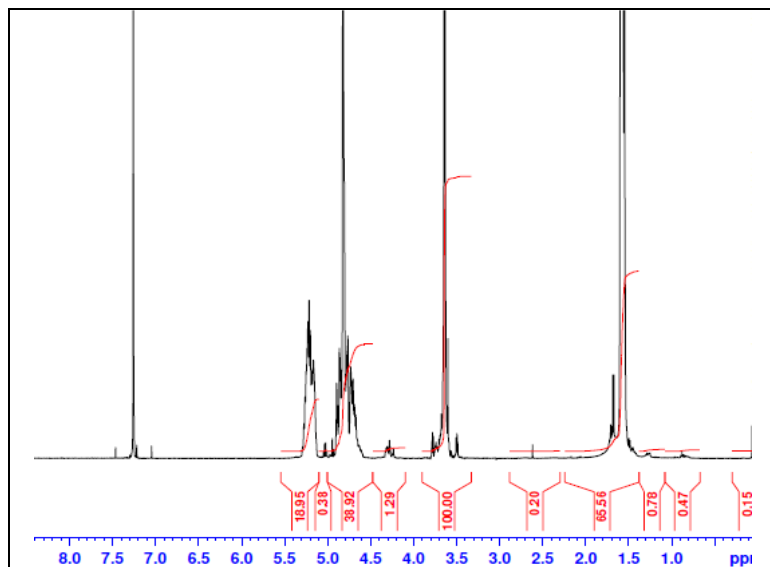


# No. AI056

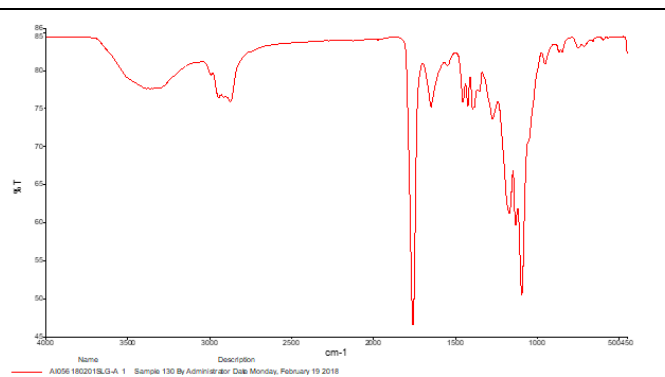
# Certificate of Analysis



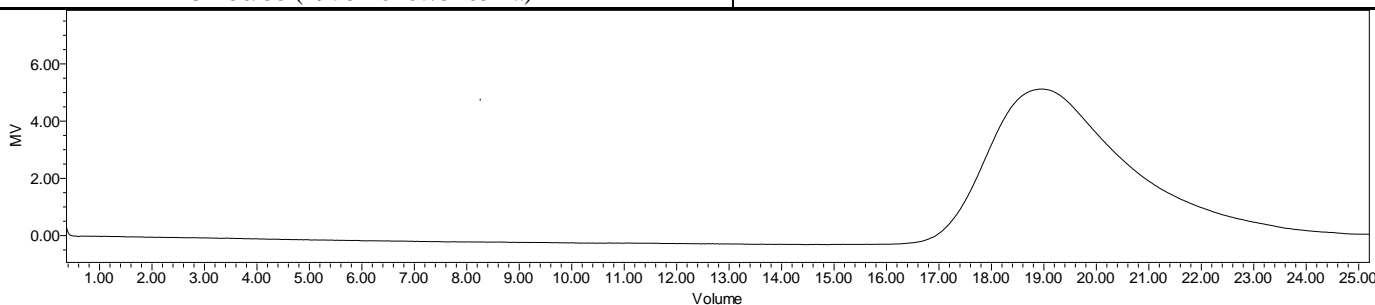
Product Name: Poly(lactide-co-glycolide)-b-Poly(ethylene glycol)-carboxylic acid endcap (Mw ~10,000Da-5000Da 50:50 La:Ga) (Lot#: 180201SLG-A)



H-NMR Spectrum of copolymers in CDCl<sub>3</sub> (Varian Inova 500 MHz instrument) NMR of PLGA-PEG-COOH repeat units: EG-LA/GA = 113\*-86/88 (4978\*-6167/5105Da)



FTIR Analysis: Collected from Perkin-Elmer Spectrum Two FTIR/UTAR 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 <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
PLGA-PEG-COOH	22,427	36,043	1.61
HO-PEG-COOH*	M <sub>n</sub> = 5000*		

\*- from MFG data

## • Structure of PLGA-PEG-COOH copolymers

