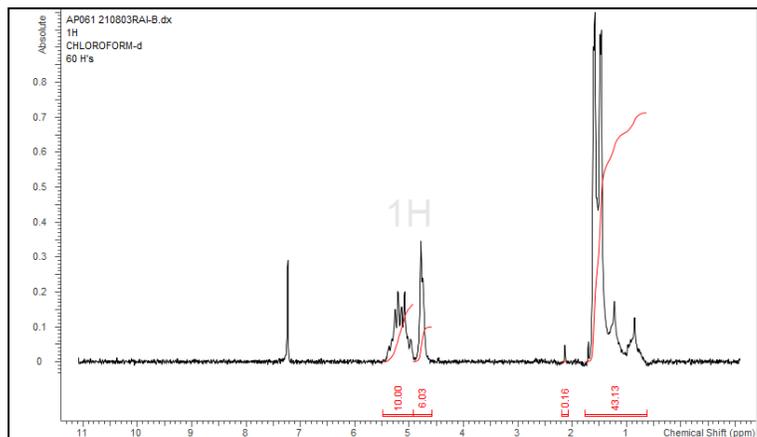


# No. AP136

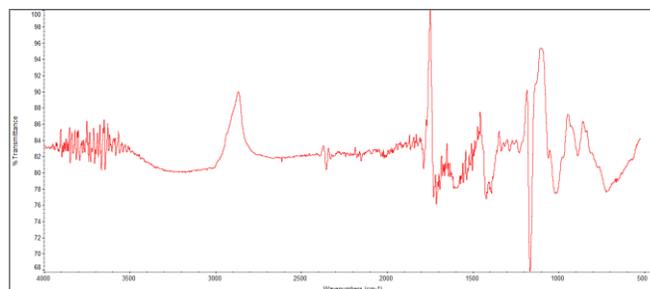
# Certificate of Analysis



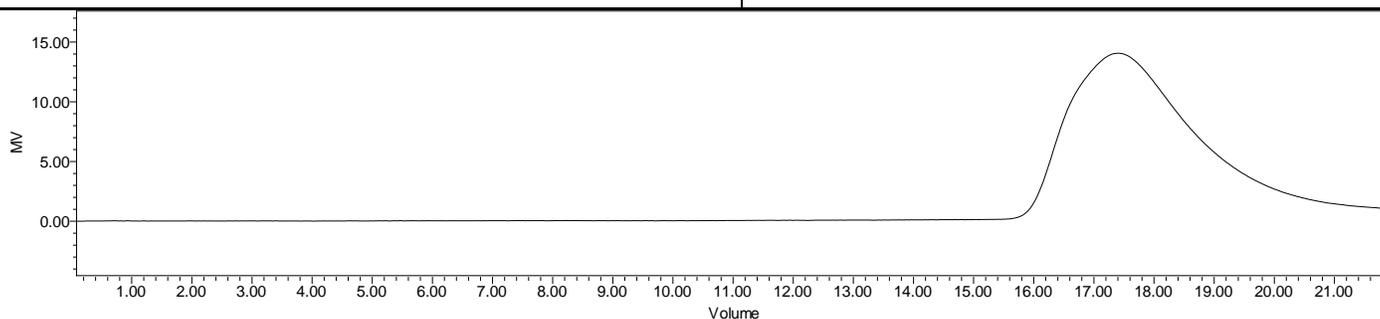
Product Name: Poly(lactic-co-glycolic) copolymers acid end cap  
(75:25 LA:GA,  $M_n$ : 100,000 - 200,000 Da) (Lot#: 210803RAI-B)



H-NMR Spectrum of copolymers in  $CDCl_3$  (NMReady-60e, Nanalysis 60 MHz) NMR of PLGA Copolymer: LA-GA = 77%-23% molar ratio (80%-20% w-w)



FTIR Analysis: Collected from Nicolet 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	105,300	155,803	1.48

## • Structure of PLGA copolymers

