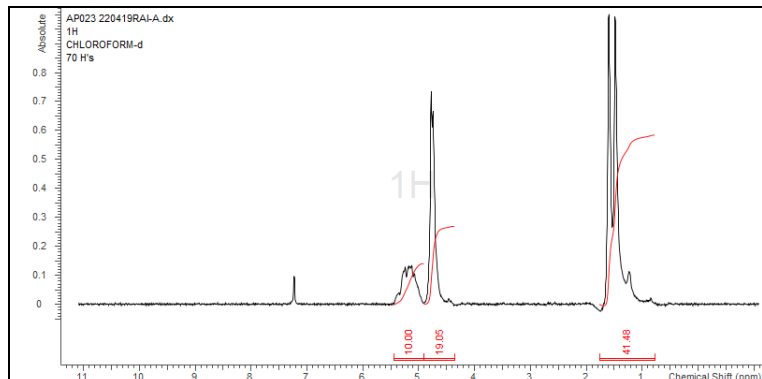


# No. AP023

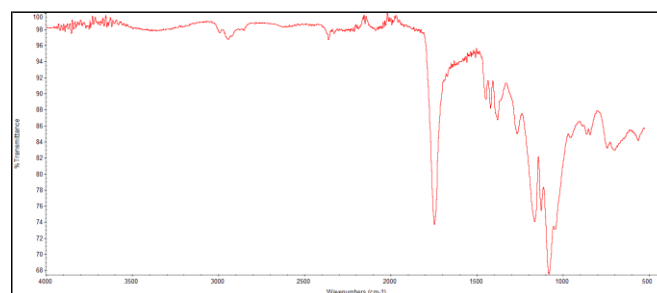
# Certificate of Analysis



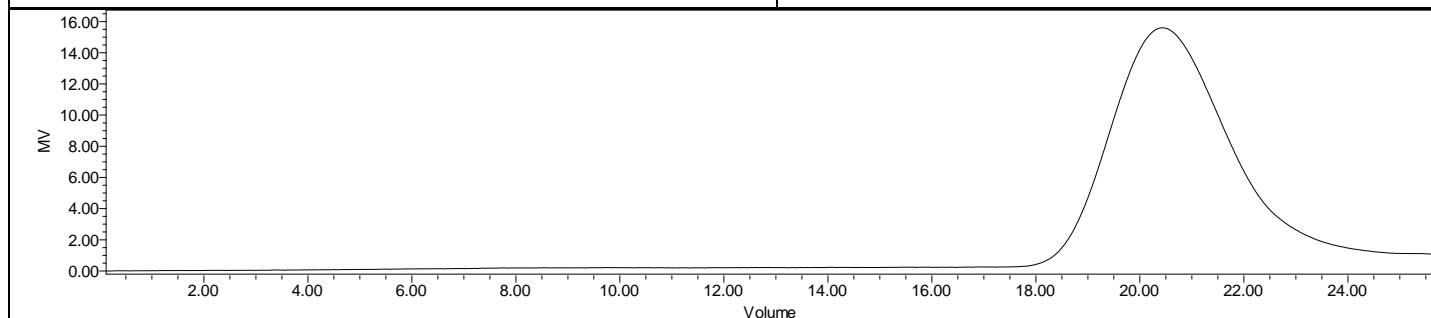
Product Name: Poly (lactic-co-glycolic acid) 50:50 LA:GA (Mn: 10,000-15,000Da) (Lot#: 220419RAI-A)



H-NMR Spectrum of copolymers in CDCl<sub>3</sub> (NMReady-60e, Nanalysis 60 MHz) NMR of PLGA Copolymer: LA-GA 51%-49% molar ratio (LA-GA 57%-43% 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 <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
PLGA	13,481	21,198	1.57

## • Structure of PLGA copolymers

