

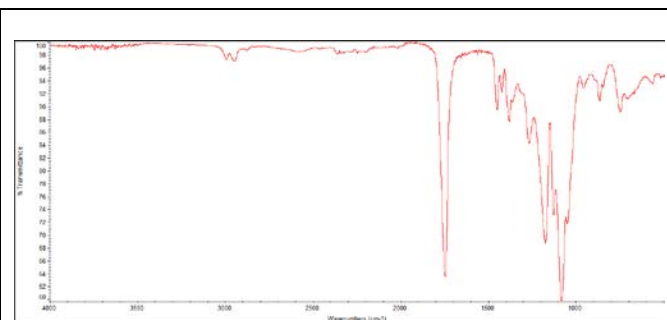
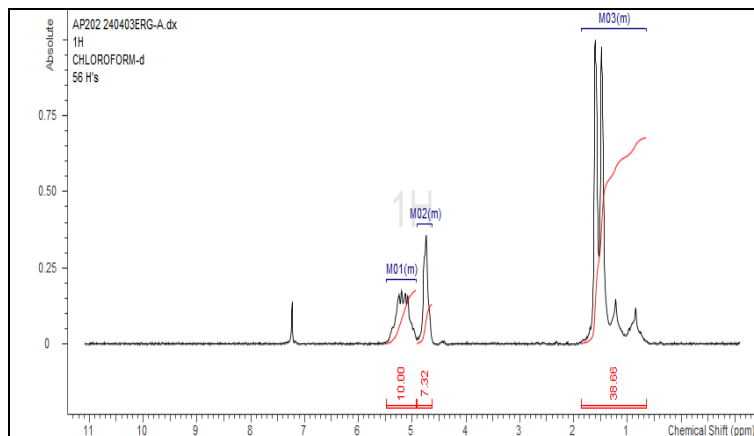
# No. AP199

# Certificate of Analysis



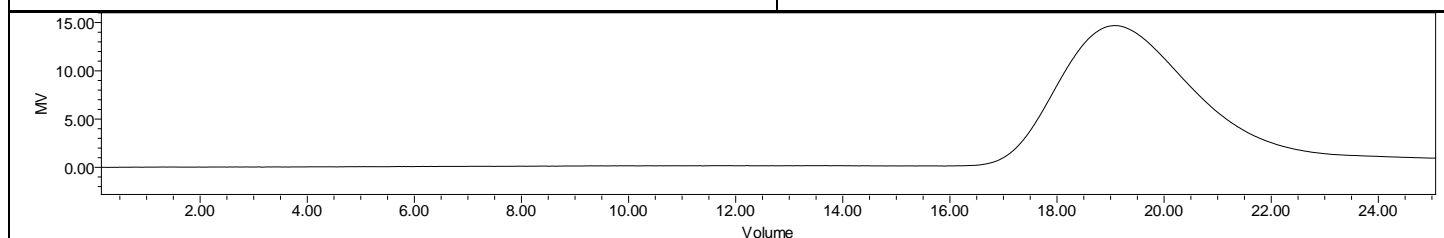
Product Name: Poly(lactic-co-glycolic) copolymers ester endcap (75:25 LA:GA)

(M<sub>n</sub>: 35,000-45,000 Da) (Lot#: 240403ERG-A)



H-NMR Spectrum of copolymers in CDCl<sub>3</sub> (NMReady-60e, Nanalysis 60 MHz) NMR of PLGA Copolymer: LA:GA 73%:27% molar ratio (LA:GA 77%:23% w:w)

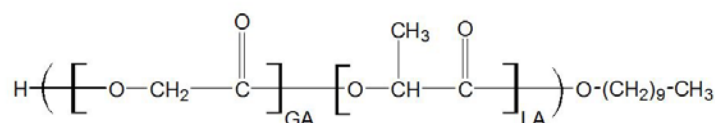
FTIR Analysis: Collected from IS5 ID7-ATR spectrometer (Thermo Scientific) and analyzed in transmission mode.



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	37,359	52,154	1.40

## • Structure of PLGA copolymers



Approved By:  
*Amie Tyler*  
Quality Manager