

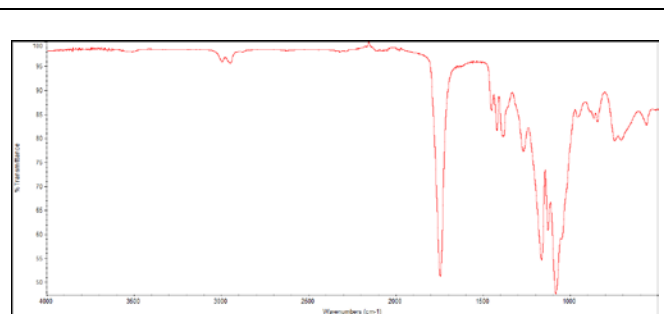
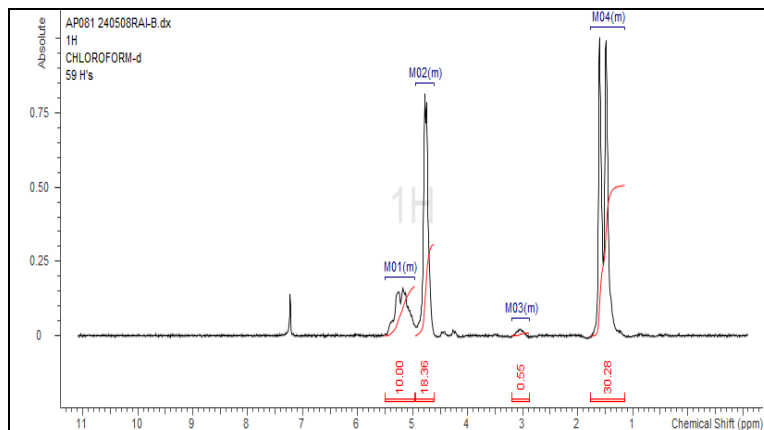
# No. AP081

# Certificate of Analysis



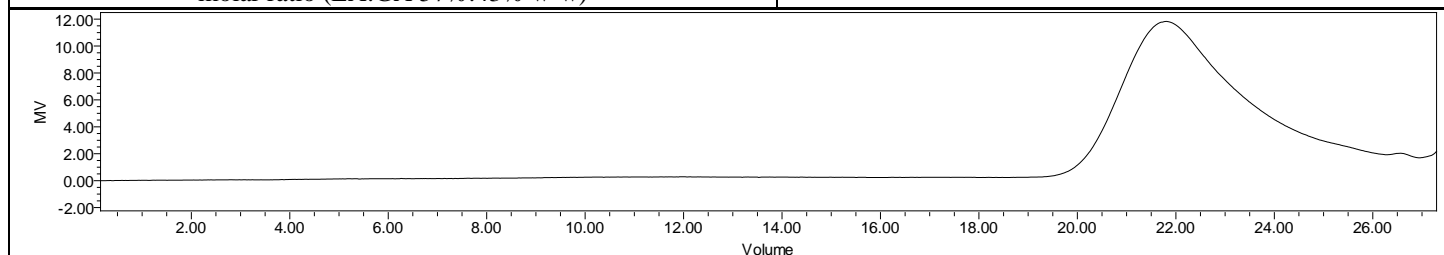
Product Name: Poly(lactide-co-glycolide) acid endcap (50:50

LA:GA) (Mn: 5,000-10,000 Da) (Lot#: 240508RAI-A)



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

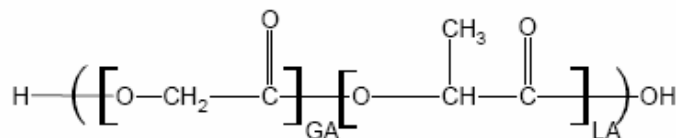
H-NMR Spectrum of copolymers in CDCl<sub>3</sub> (NMReady-60e, Nanalysis 60 MHz) NMR of PLGA Copolymer: LA:GA 52%:48% molar ratio (LA:GA 57%:43% w-w)



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	5049	7320	1.45

## • Structure of PLGA copolymers



Approved By:  
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Quality Manager