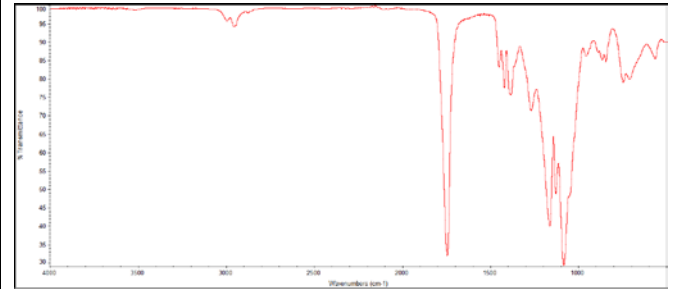
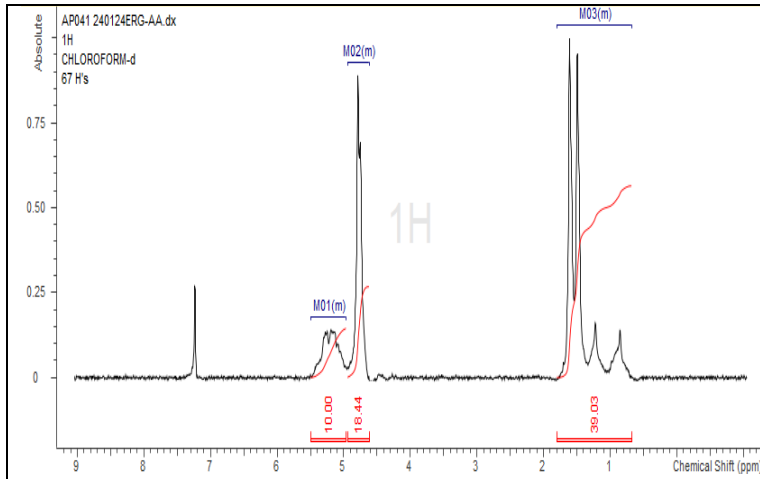


No. AP041

Certificate of Analysis

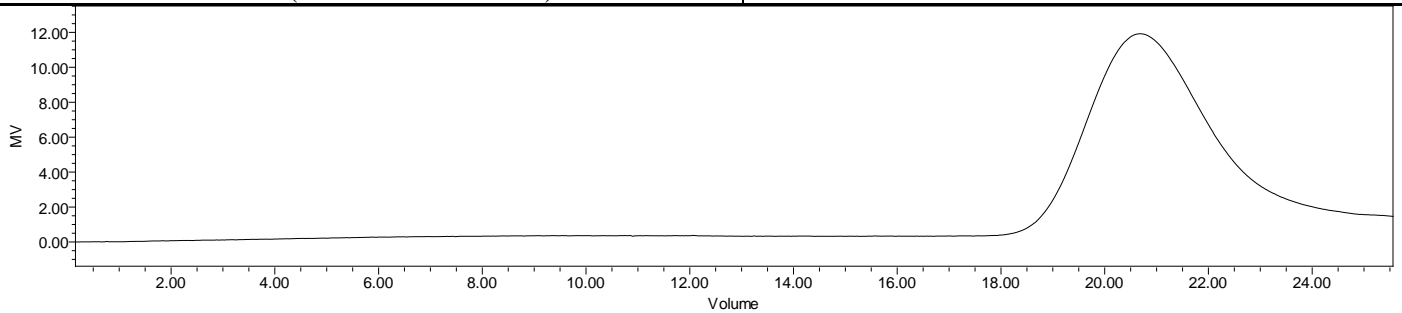


Product Name: Poly(lactide-co-glycolide) acid endcap (50:50 LA:GA)
(Mn: 10,000-15,000 Da) (Lot#: 240124ERG-B)



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

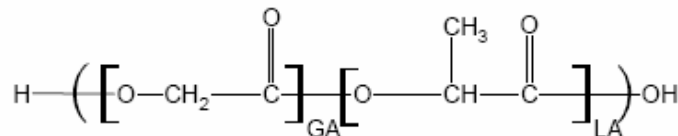
H-NMR Spectrum of copolymers in CDCl₃ (NMReady-60e, Nanalysis 60 MHz) NMR of PLGA Copolymer LA:GA 52%:48% molar ratio (LA:GA 57%:43% w-w)



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 _n (from GPC)	M _w (from GPC)	PDI
PLGA	10,926	18,240	1.67

Structure of PLGA copolymers



Approved By:
Amie Tyler
Quality Manager