

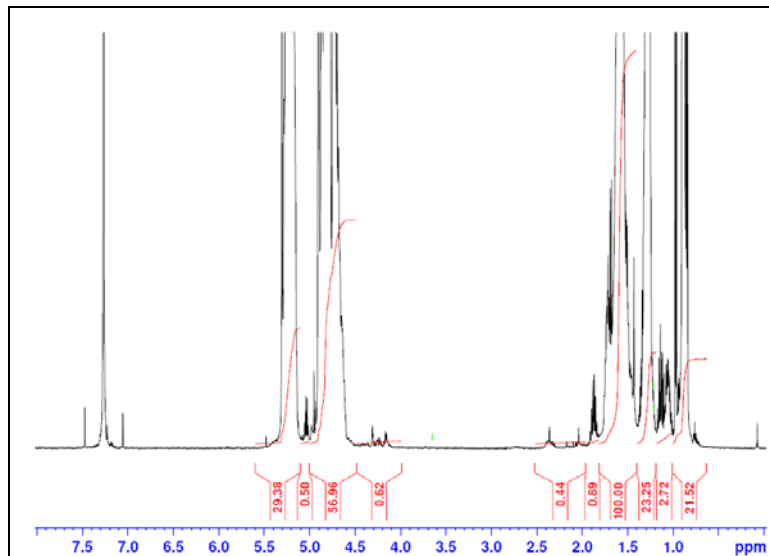
No. AP022

Certificate of Analysis

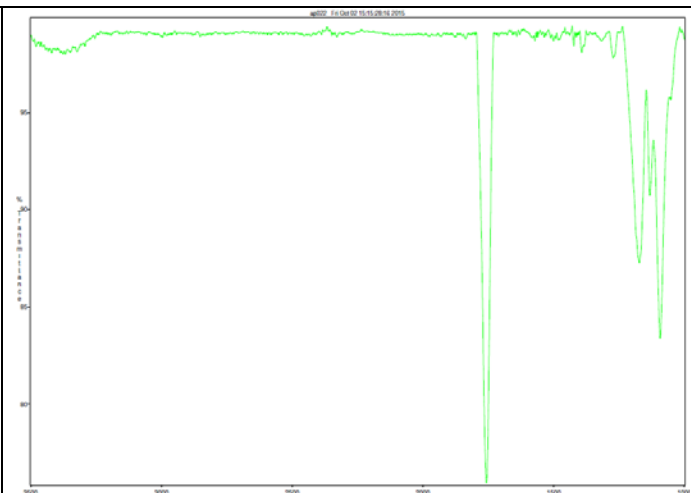


Product Name: Poly(lactic-co-glycolic acid) ester endcapped (50:50 LA:GA)

(M_n: 25,000-35,000 Da) (Lot#: 50929BPR)

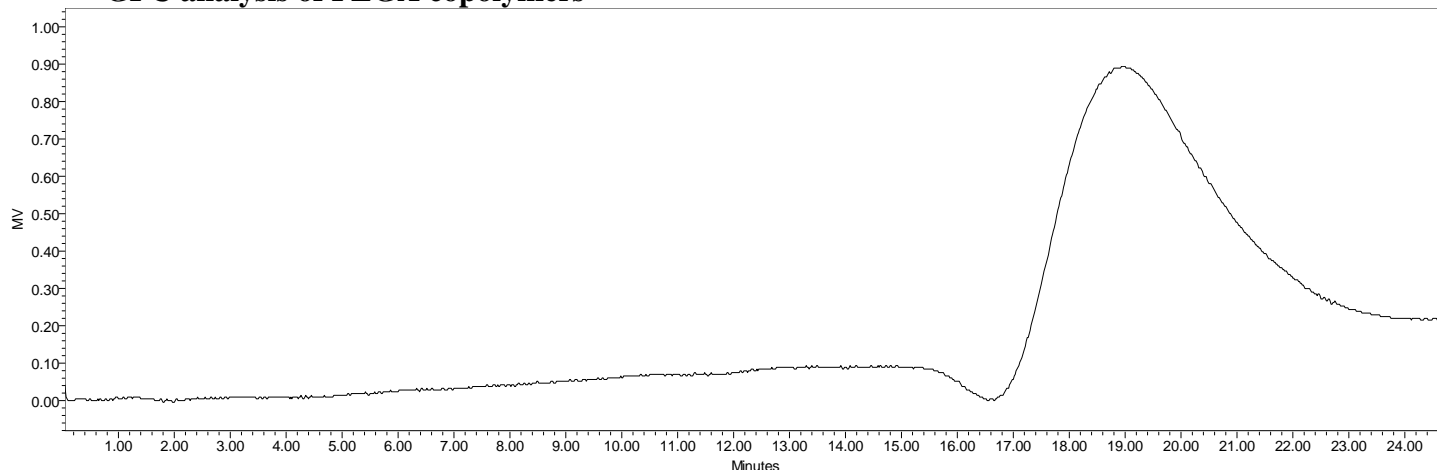


H-NMR Spectrum of PLGA copolymers in CDCl₃
(Varian Inova 500 MHz instrument), NMR of PLGA copolymers:
LA/GA = 51:49 molar ratio (56:44 w/w)



FTIR Analysis: Collected from cast-film on salt-plate placed in Satellite FTIR (Thermo-Mattson) and analyzed in transmission mode.

• GPC analysis of PLGA copolymers



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Phenogel 5µm columns and one PLgel Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	M _n (from GPC)	M _w (from GPC)	PDI
PLGA	27142	45714	1.68

• Structure of PLGA copolymers

