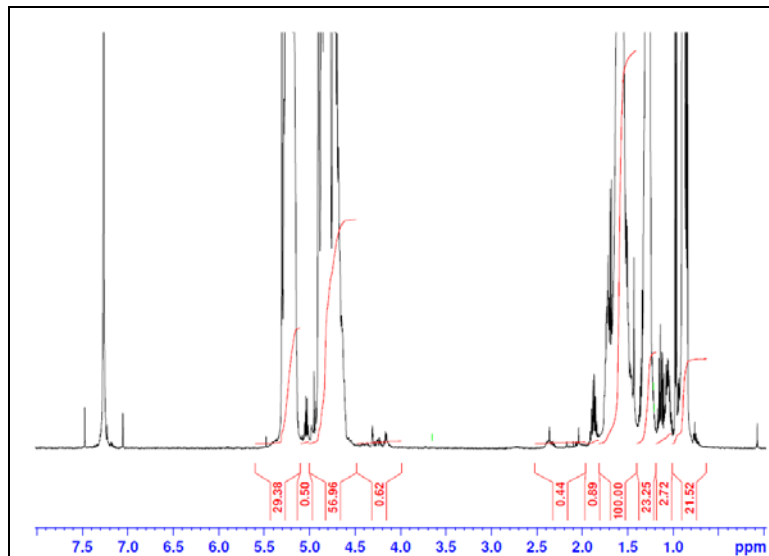


No. AP022

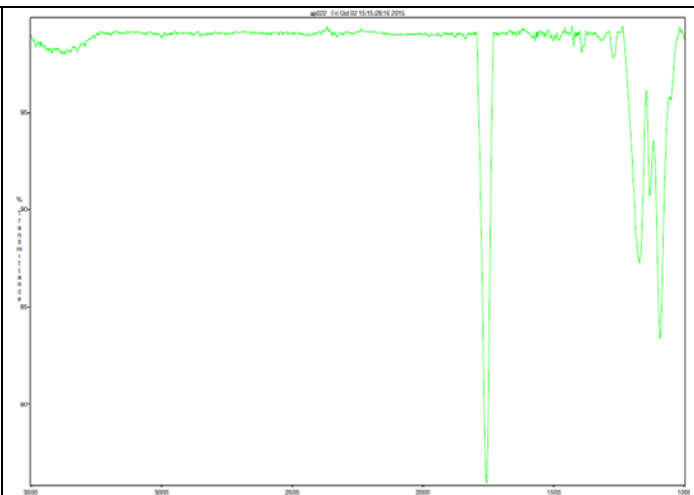
Certificate of Analysis

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

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

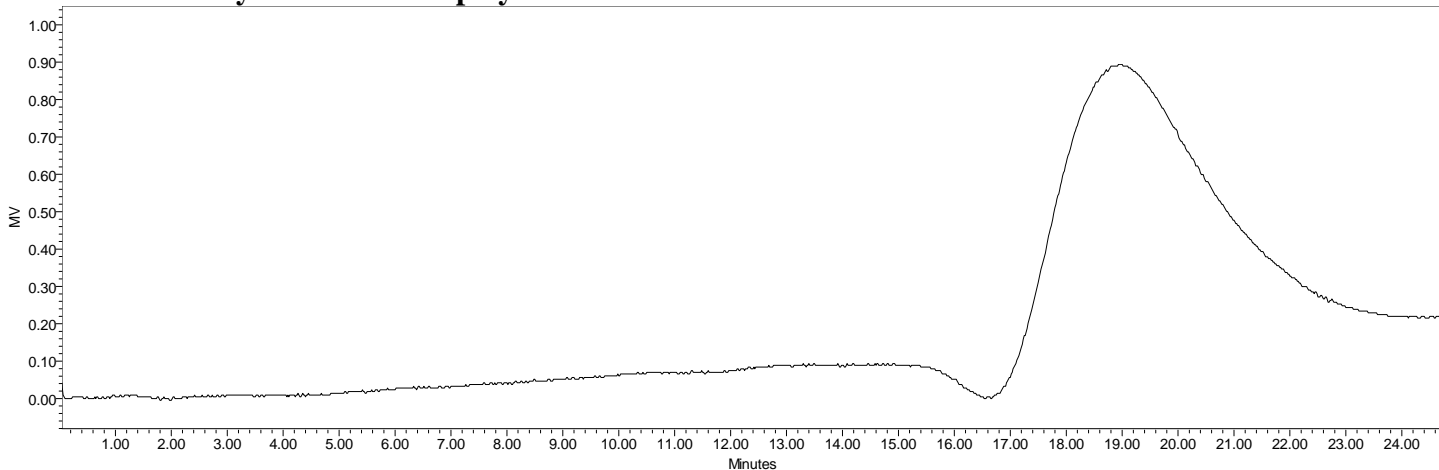


$^1\text{H-NMR}$ Spectrum of PLGA copolymers in CDCl_3
(Varian Inova 500 MHz instrument), NMR of PLGA copolymers:
LA/GA = 51:49 molar ratio (56:44 w/w)



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

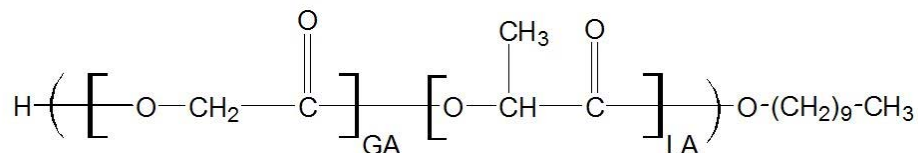
• GPC analysis of PLGA copolymers



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Phenogel $5\mu\text{m}$ 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



Material provided for research use only. Not for human use.