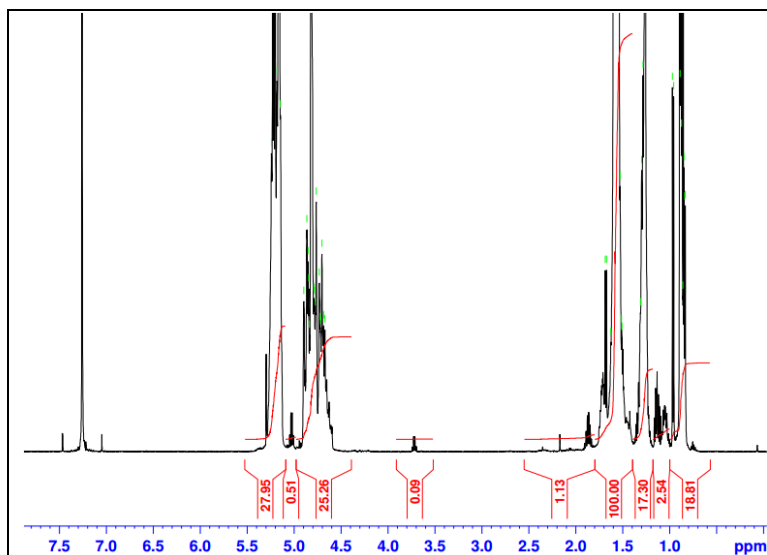


No. AP143

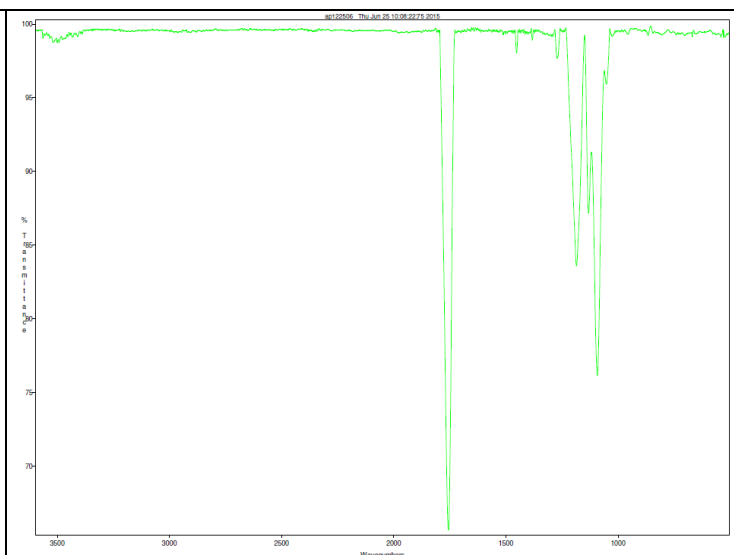
Certificate of Analysis



Product Name: Poly(lactic-co-glycolic acid) Copolymer acid end-capped (70:30 LA:GA,
Mn: 75,000-85,000 Da) (Lot#: 50622MJK) REV:A

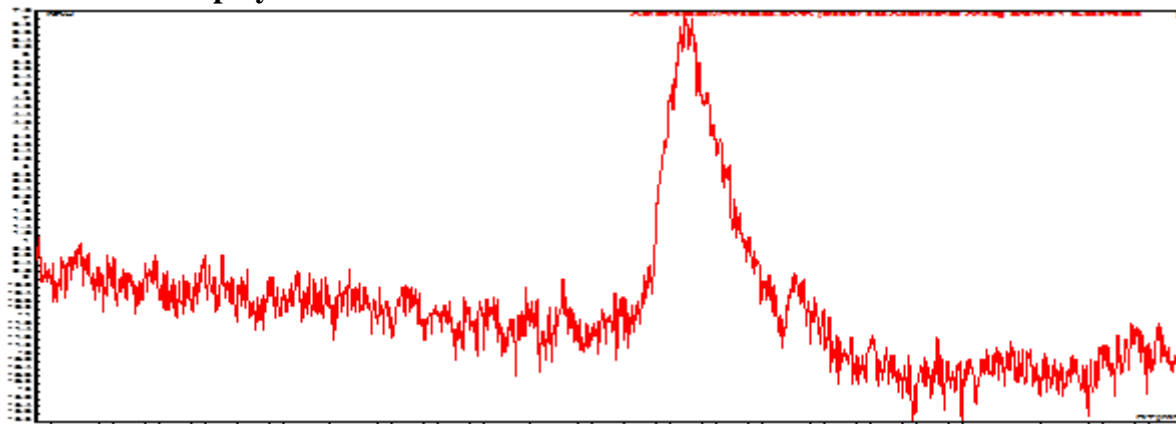


H-NMR Spectrum of PLGA copolymer in CDCl₃ (Varian Inova 500 MHz instrument), NMR of PLGA copolymers:
LA/GA = 69%/31% molar ratio (73%/27% w/w)



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

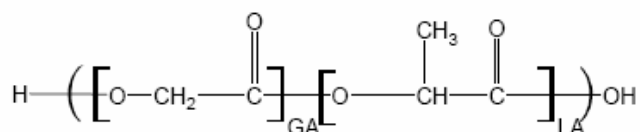
- GPC of PLGA copolymers**



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 | Mn (from GPC) | Mw (from GPC) | PDI |
|---------|---------------|---------------|------|
| PLGA | 75,797 | 119,041 | 1.57 |

- Structure of PLGA copolymers**



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

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