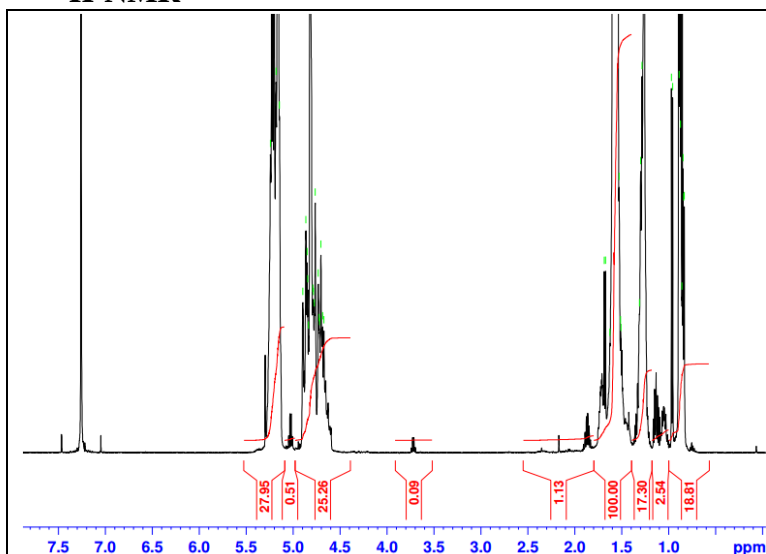


No. AP143 Certificate of Analysis

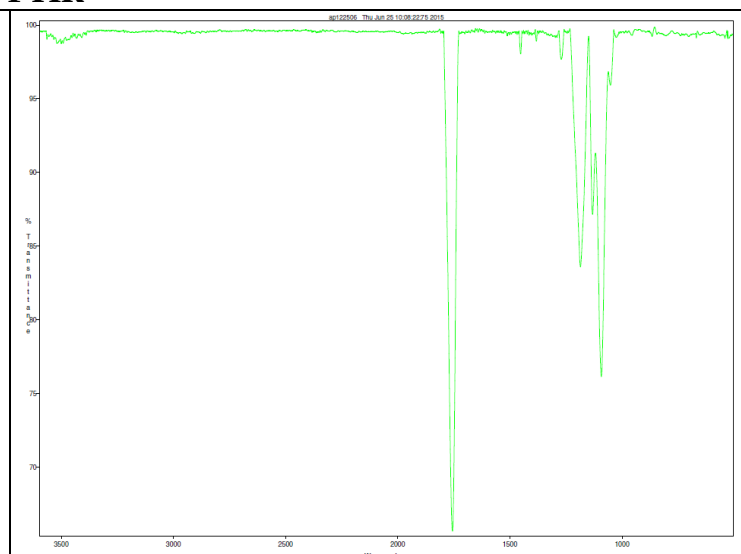
Product Name: Poly(lactic-co-glycolic acid) acid endcap (70:30 LA:GA, M_n : 75,000-85,000 Da) (Lot#: 50622MJK) REV:A

H-NMR



H-NMR Spectrum of PLGA copolymer in $CDCl_3$ (Varian Inova 500 MHz instrument), NMR of PLGA copolymers: LA/GA = 69%/31% molar ratio (73%/27% w/w)

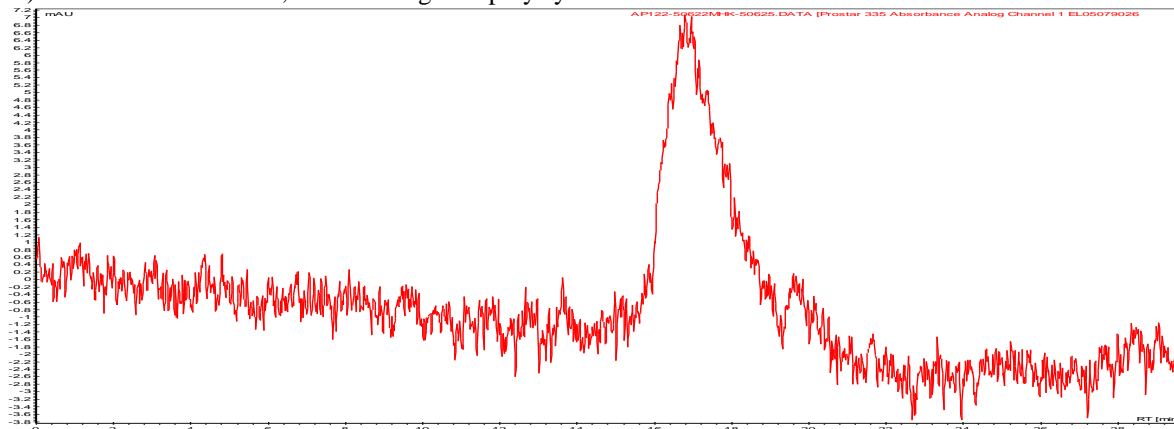
FTIR



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

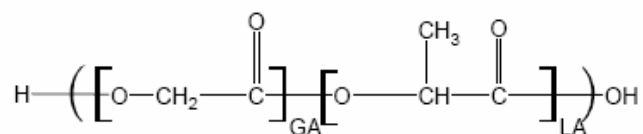
- **GPC of PLGA copolymers**

Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Phenogel 5 μ 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	75,797	119,041	1.57

- **Structure of PLGA copolymers**



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