

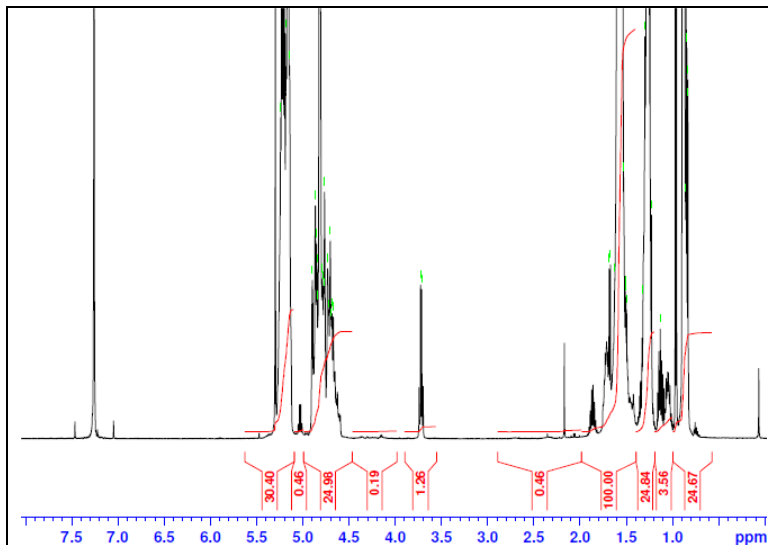
# No. AP125

# Certificate of Analysis

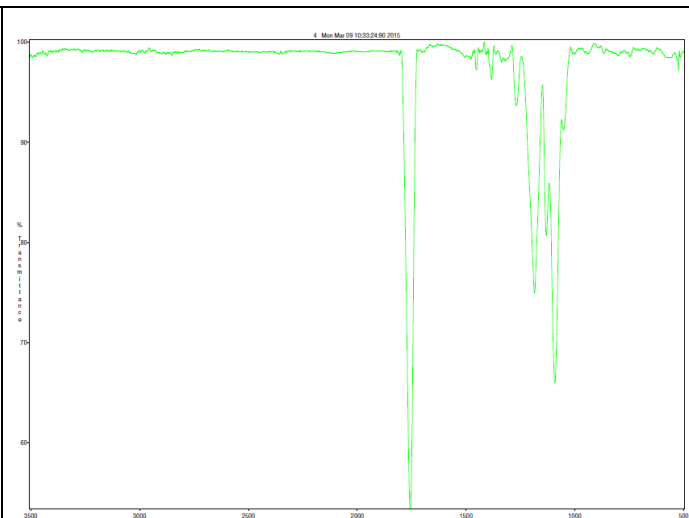


Product Name: Poly(lactic-co-glycolic acid) ester endcapped (75:25 LA:GA)

(M<sub>n</sub>: 75,000-85,000Da) (Lot#: 50224ZZZ) REV:A

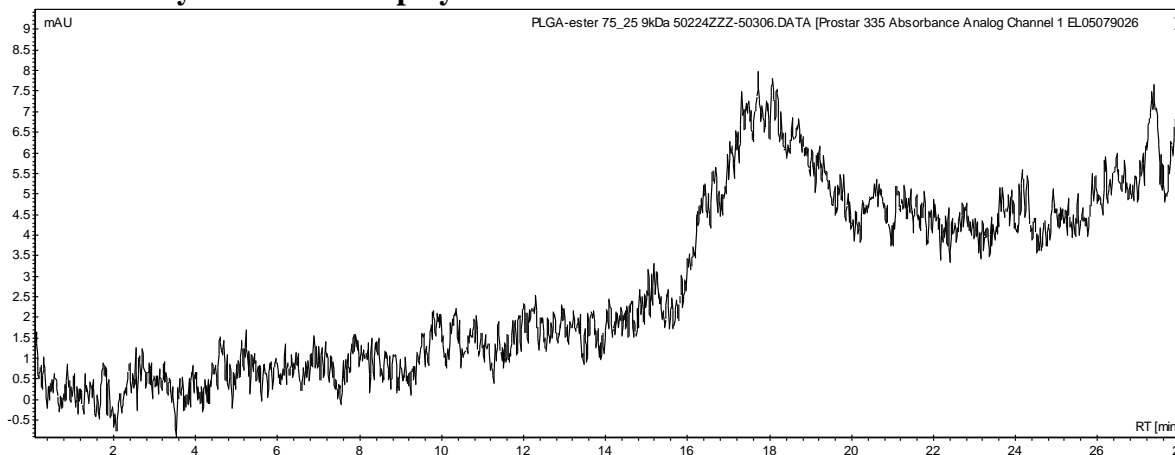


H-NMR Spectrum of PLGA copolymers in CDCl<sub>3</sub>  
(Varian Inova 500 MHz instrument), NMR of PLGA copolymers:  
LA/GA = 71%/29% molar ratio (75%/25% w/w)



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 <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
PLGA	75576	160,054	2.12

## • Structure of PLGA copolymers

