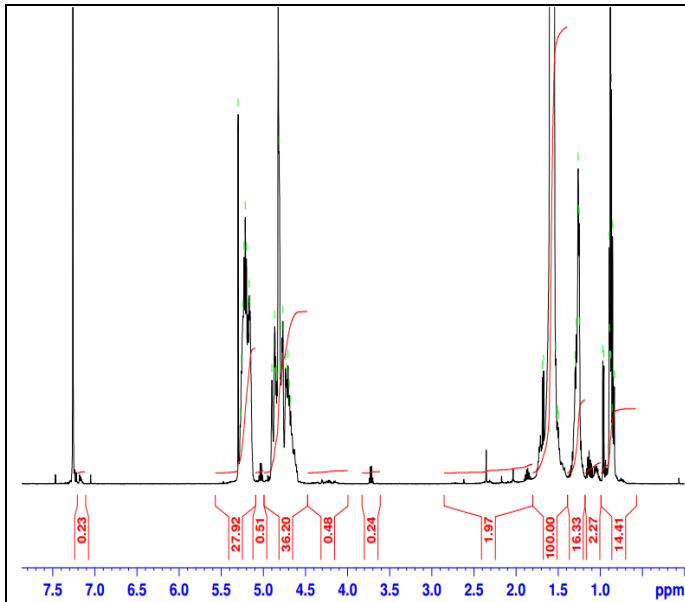


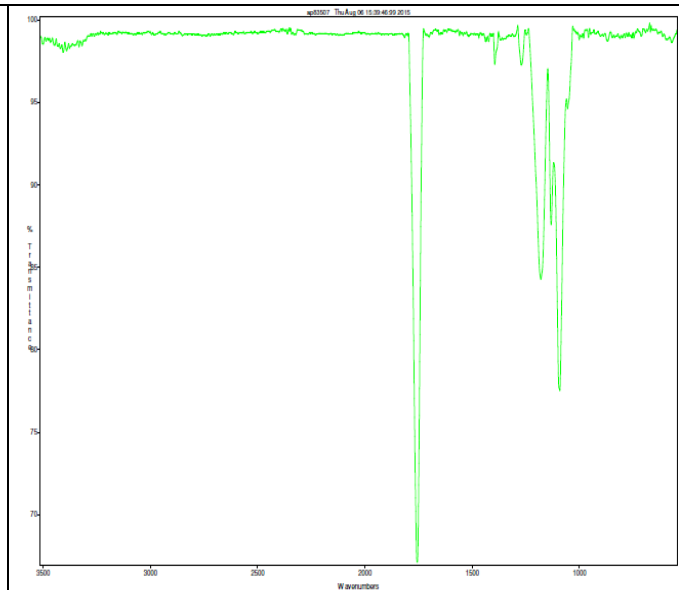
No. AP83

# Certificate of Analysis

Product Name: Poly(lactic-co-glycolic) copolymers ester endcap (60:40 LA:GA,  
M<sub>n</sub>: 45,000-55,000 Da) (Lot#: 50731MLS)

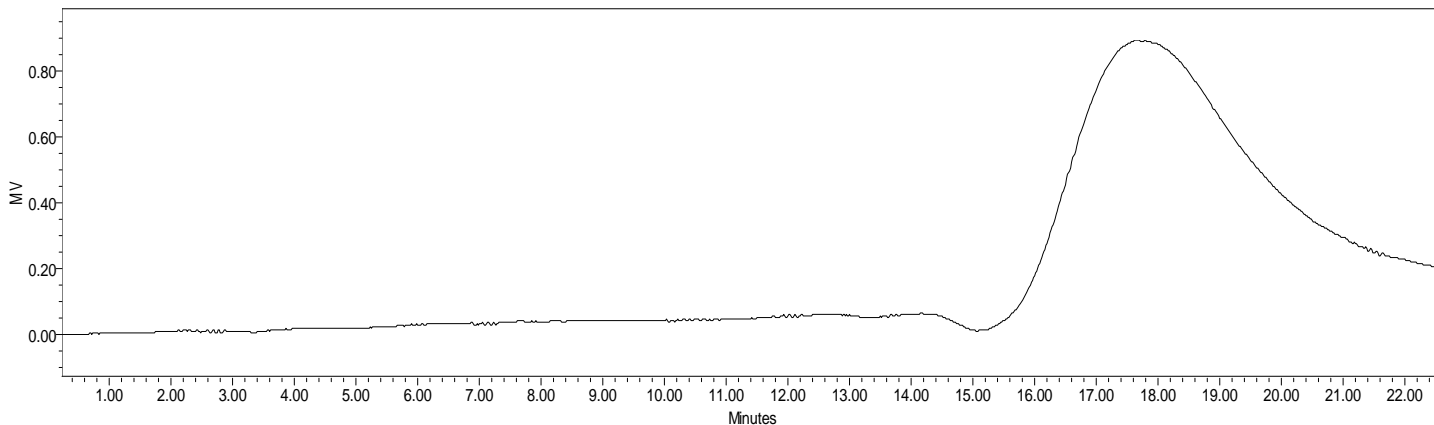


<sup>1</sup>H-NMR Spectrum of PLGA copolymers in CDCl<sub>3</sub> (Varian Inova 500 MHz instrument), NMR of PLGA copolymers: GA/LA = 39%/61% molar ratio (34%/66% w/w)



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

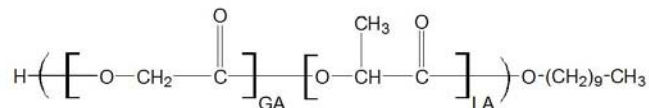
- GPC analysis of PLGA copolymers



Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across three Phenogel 5um columns (Phenomenex). Detection via refractive index, calibrated against polystyrene standards.

Polymer	M <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
PLGA	46,630	68,347	1.47

- Structure of PLGA copolymers



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