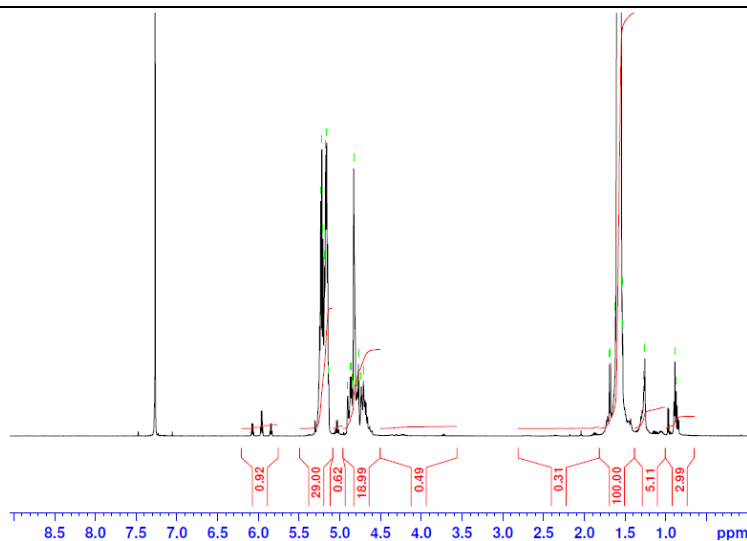


# No. AP122

# Certificate of Analysis

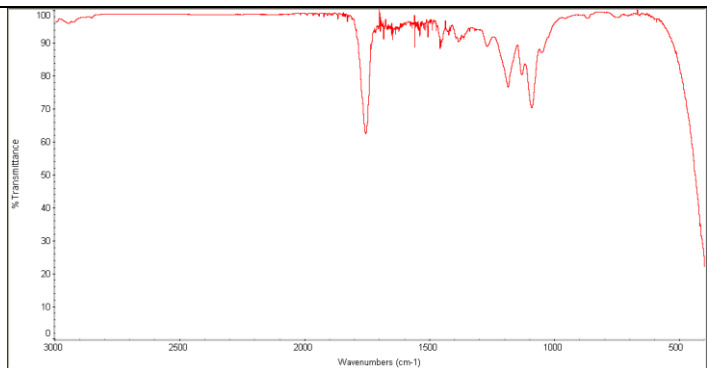


Product Name: Poly(lactic-co-glycolic acid) acid end-capped (75:25 LA:GA,  $M_n$ : 75,000-85,000 Da) (Lot#: 61017JSG-B)



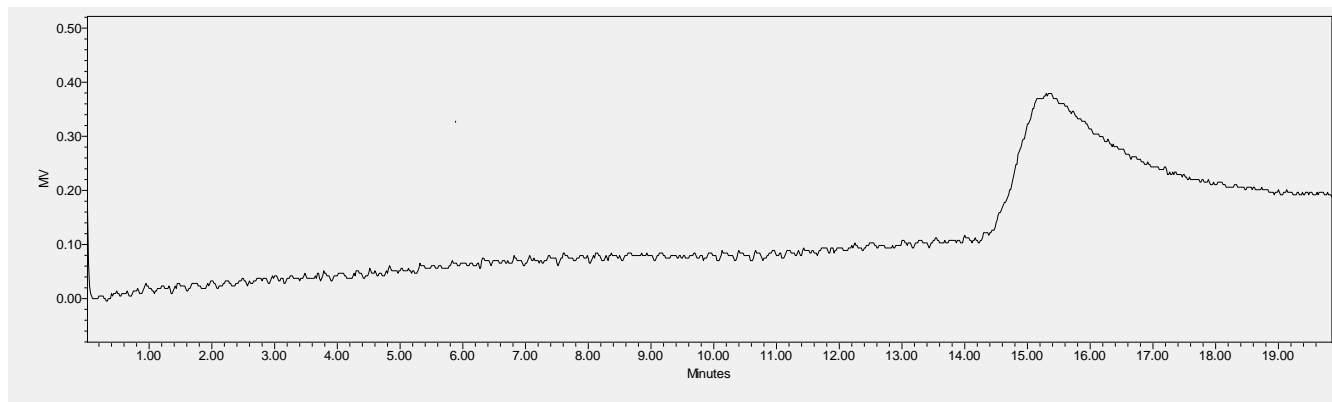
H-NMR Spectrum of PLGA copolymer in CDCl<sub>3</sub> (Varian Inova 500 MHz instrument), NMR of PLGA copolymers:

LA/GA = 75%/25% molar ratio (79%/21% w/w) (97% purity by HNMR)



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

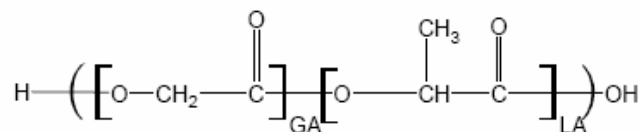
## • GPC of PLGA copolymers



Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across three columns (7.8 x 300 mm, mixed porosities). Detection via refractive index, calibrated against polystyrene standards.

Polymer	$M_n$ (from GPC)	$M_w$ (from GPC)	PDI
PLGA	78,492	99,398	1.27

## • Structure of PLGA copolymers



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

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