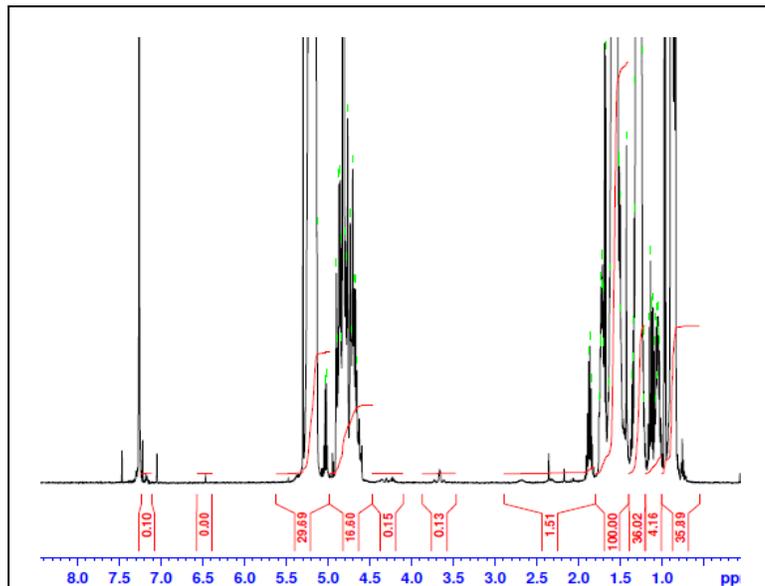


# No. AP018

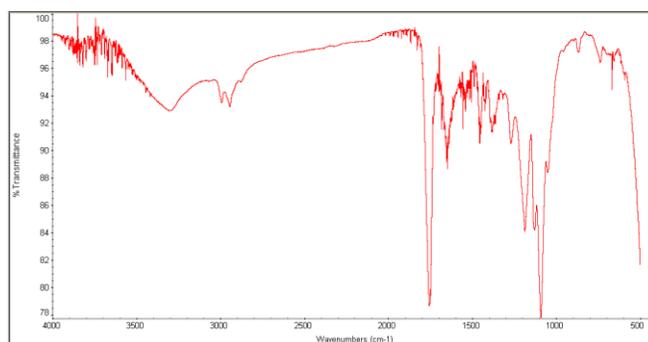
# Certificate of Analysis



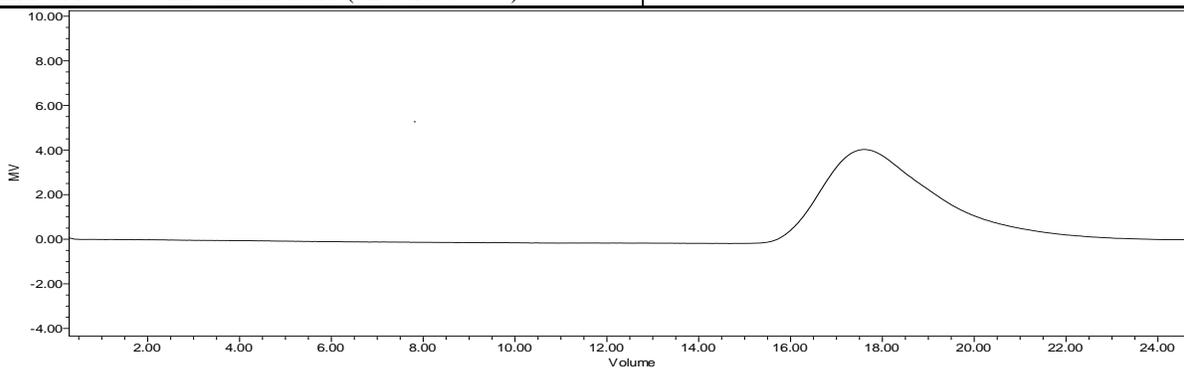
Product Name: Poly(lactide-co-glycolide) LG 75:25 acid endcap  
(M<sub>n</sub> 45,000 - 55,000 Da) (Lot #171130SLG-A)



H-NMR Spectrum of copolymers in CDCl<sub>3</sub> (Varian Inova 500 MHz instrument) NMR of PLGA copolymers:  
LA/GA = 78%/22% molar ratio (82%/18% w/w)



FTIR Analysis: Collected from cast-film on KBr salt-plate placed in Protégé 460 spectrometer and analyzed in transmission E.S.P. mode.



GPC Analysis Method: Waters Breeze 2 system with 1 ml/min THF flow across three GPC columns. Detection via refractive index, calibrated against polystyrene standards.

Polymer	M <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
PLGA	50,431	86,124	1.71

## • Structure of PLGA polymer

