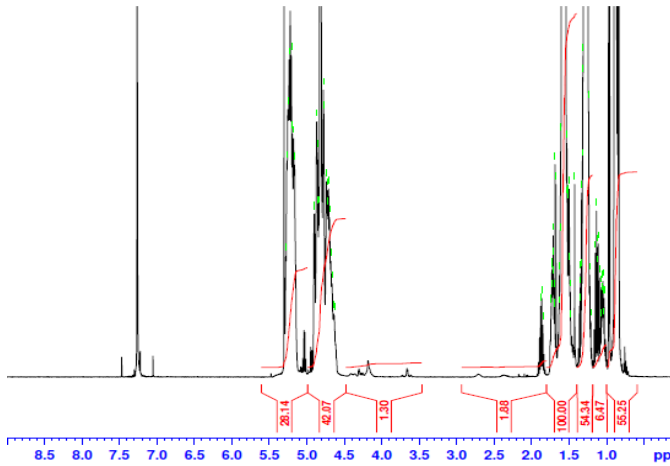


No. AP227

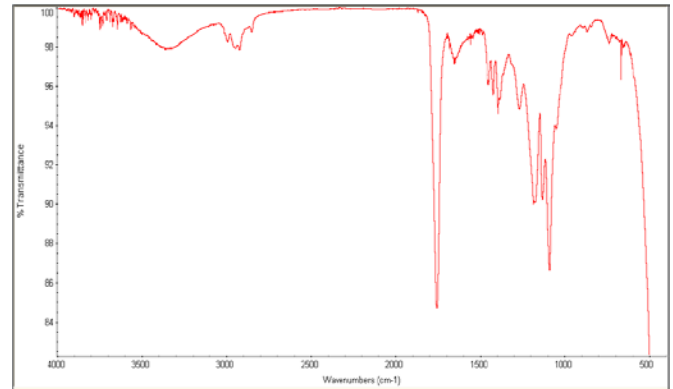
Certificate of Analysis



Product Name: Poly(lactide-co-glycolide) 4-arm pentaerythritol initiated
(55:45 LA:GA, Mn 40,000 – 60,000 Da) (Lot# 171101SLG-B)

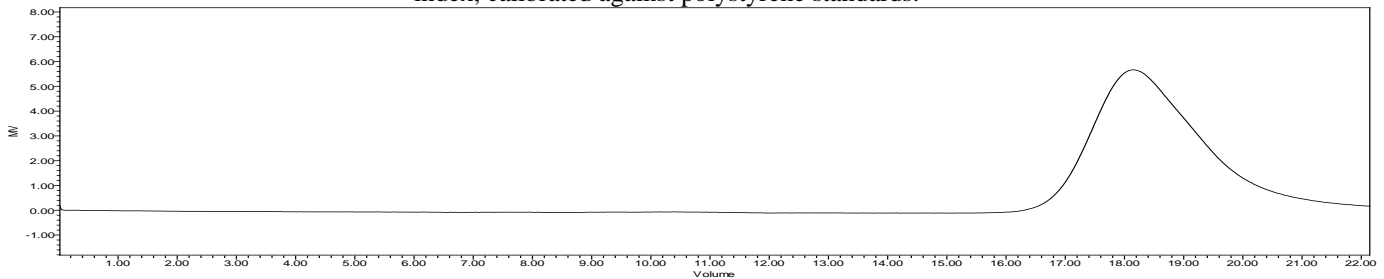


H-NMR Spectrum of PLGA copolymers in CDCl₃ (Varian Inova 500 MHz instrument) NMR of PLGA copolymers: LG/GA =57%/43% molar ratio (62%/38% w/w).



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 _n (from GPC)	M _w (from GPC)	PDI
PLGA-4ARM-PAE*	47,129	59,686	1.27

*- against linear standards, branching degree unconfirmed

Structure of PLGA 4ARM-PAE copolymers

