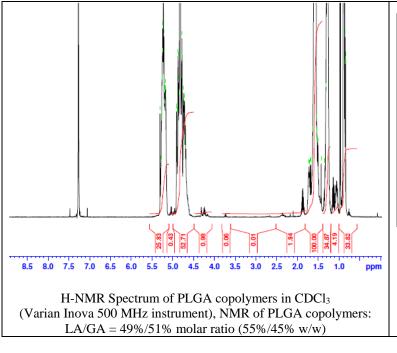
No. AP121

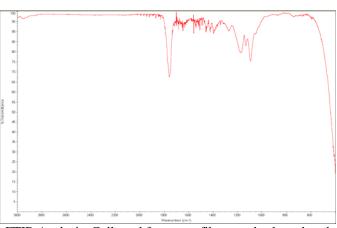
Certificate of Analysis



Product Name: Poly(lactic-co-glycolic acid) ester endcapped (50:50 LA:GA)

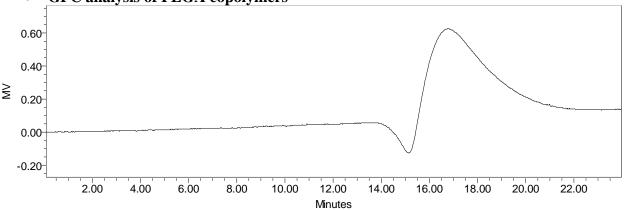
(M_n: 45,000-55,000Da) (Lot#: 60928ELH-A)





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

GPC analysis of PLGA copolymers



Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across three GPC columns (7.6 x 300 mm, mixed porosities). Detection via refractive index, calibrated against polystyrene standards.

Polymer	M _n (from GPC)	M _w (from GPC)	PDI
PLGA	46,403	59,109	1.27

Structure of PLGA copolymers

$$\begin{array}{c} R - \left(\begin{array}{c} C \\ C \end{array} \right) \\ C + C \\ C + C \\ C + C \end{array} \\ \begin{array}{c} C \\ C + C \\ C + C \end{array} \\ \begin{array}{c} C \\ C + C \\ C + C \\ C + C \end{array} \\ \begin{array}{c} C \\ C + C$$