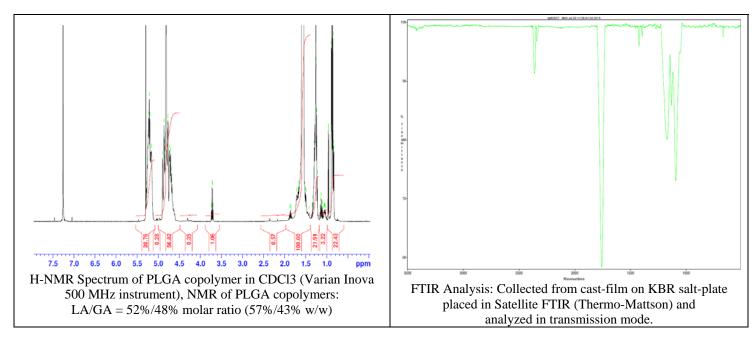
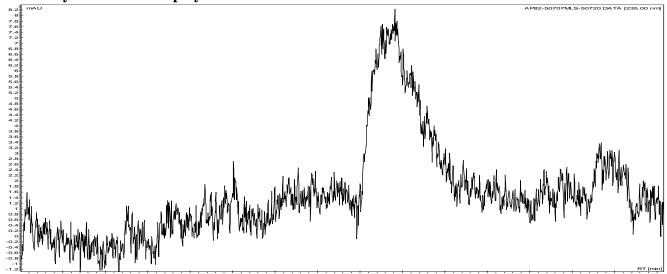
## No. AP082 Certificate of Analysis

Product Name: Poly(lactic-co-glycolic acid), acid endcap (LG 50:50, M<sub>n</sub>: 25,000-35,000 Da)

(Lot#: 50707MLS)



GPC analysis of PLGA copolymers



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Phenogel 5µm columns and one PLgel Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	M <sub>n</sub> (from GPC)	Mw (from GPC)	PDI
PLGA	32,938	62,699	1.90

## • Structure of PLGA copolymers

$$H - O \left( \begin{array}{c} O \\ C \\ H_3 C \end{array} \right) C H_2 - O \left( \begin{array}{c} O \\ C \\ H_3 C \end{array} \right) C H_2 - O \left( \begin{array}{c} O \\ C \\ GA \end{array} \right) - H$$

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