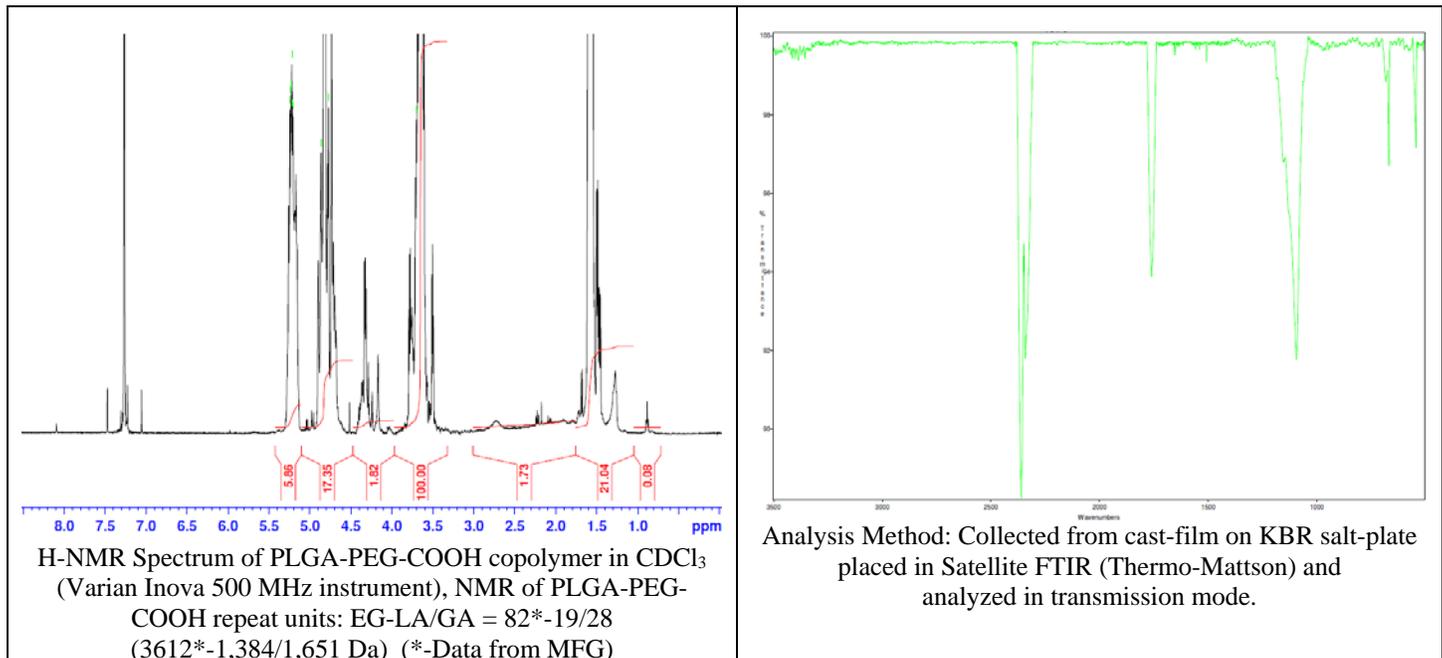
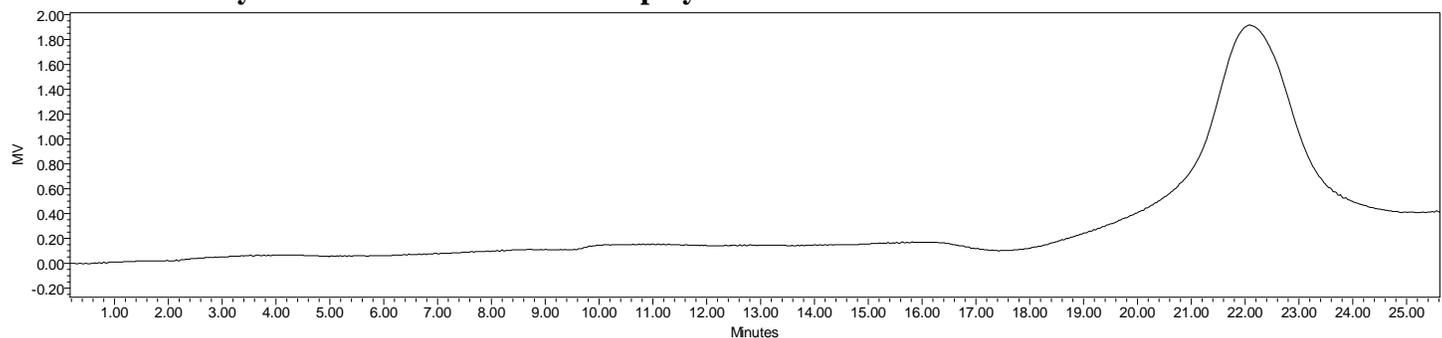


# No. AI118 Certificate of Analysis

Product Name: Poly(lactide-co-glycolide)-*b*-Poly(ethylene glycol)-Carboxylic acid endcap  
( $M_w \sim 3,000$ : $3,400$  Da, 50:50 LA:GA) (Lot#: 60113JCH-A)



- GPC analysis of PLGA-PEG-COOH copolymers**

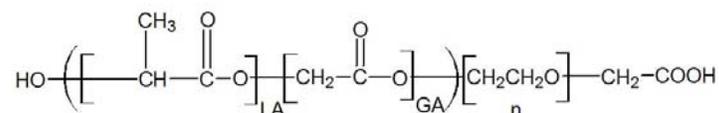


Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across three Phenogel 5um columns (Phenomenex). Detection via refractive index, calibrated against polystyrene standards.

Polymer	$M_n$ (from GPC)	$M_w$ (from GPC)	PDI
PLGA-PEG-COOH	5,088	7,715	1.52
HO-PEG-COOH*	Average $M_n$ by GFC – 3,600 Da*		

\*-data provided by MFG

- Structure of PLGA-PEG-COOH copolymers**



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