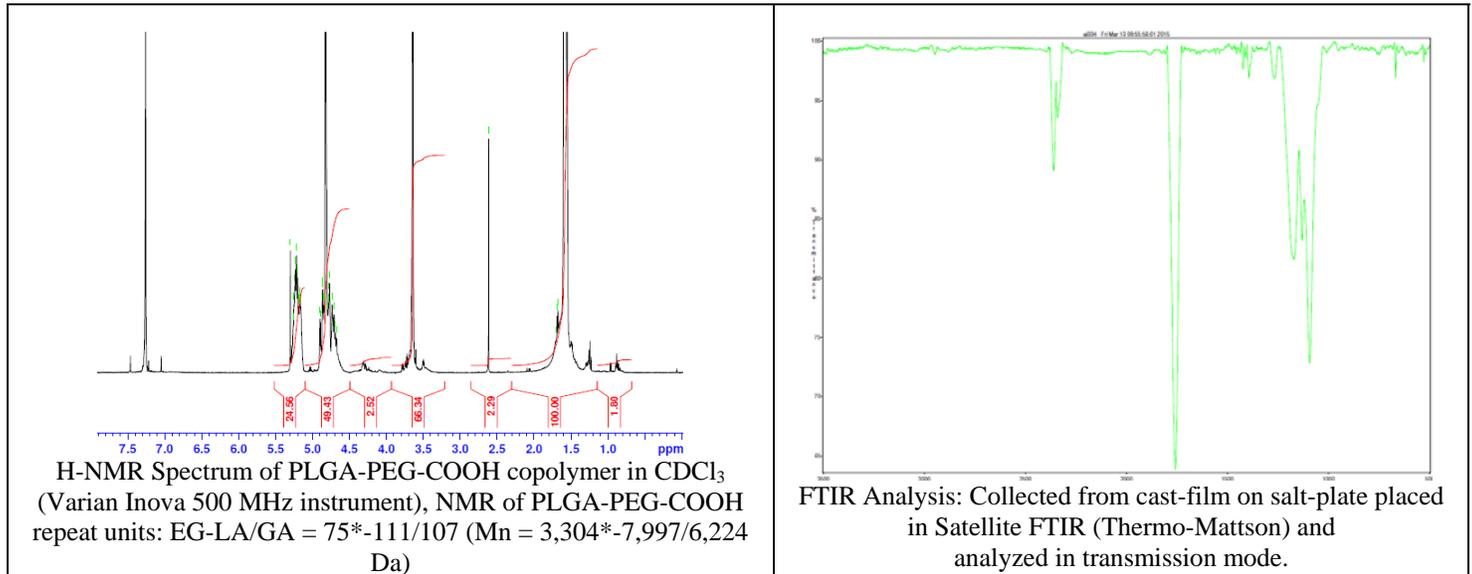
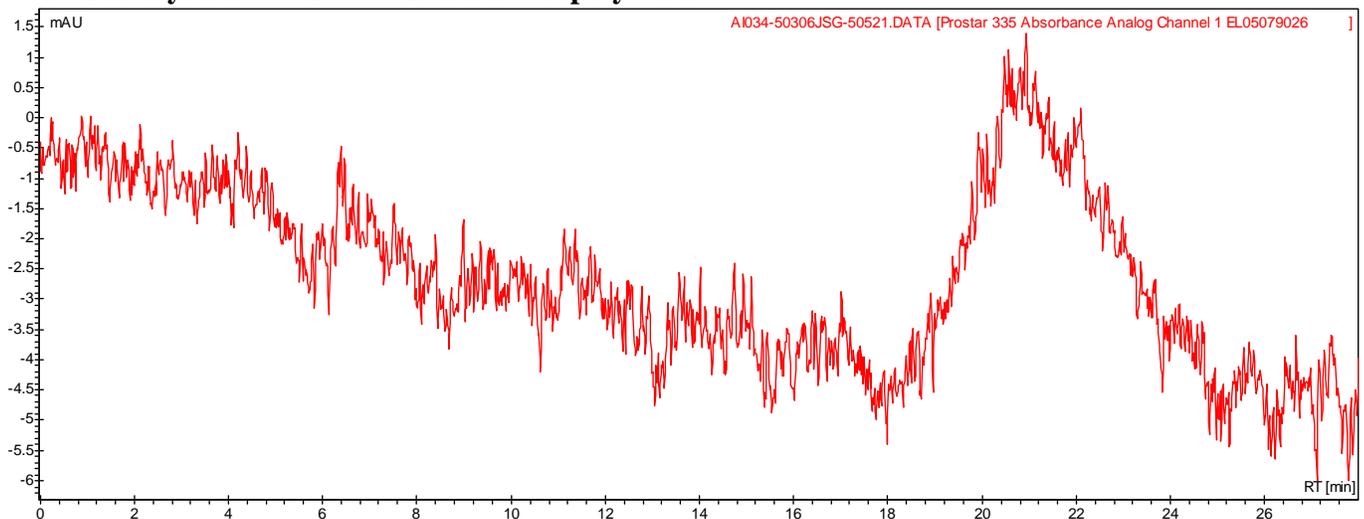


# No. AI034 Certificate of Analysis

Product Name: Poly(lactide-co-glycolide)-b-Poly(ethylene glycol)-carboxylic acid endcap  
 (~17,000 Da-3,400 Da) (Lot#: 50306JSG) (REV:A)



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



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

Polymer	M <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
PLGA-PEG-COOH	10,925	22,983	2.10
HO-PEG-COOH*	Average M <sub>n</sub> by GFC -3,300*		

\* - data provided by MFG

- Structure of PLGA-PEG-COOH copolymers**

