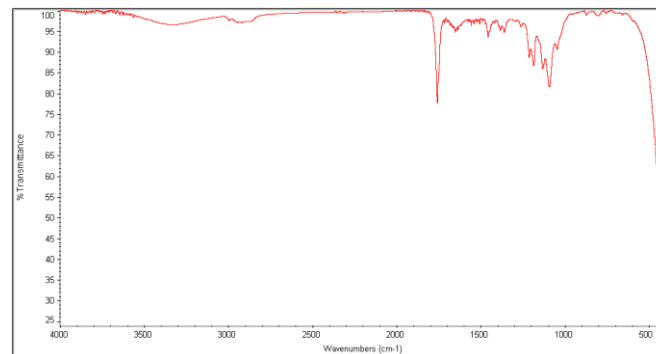
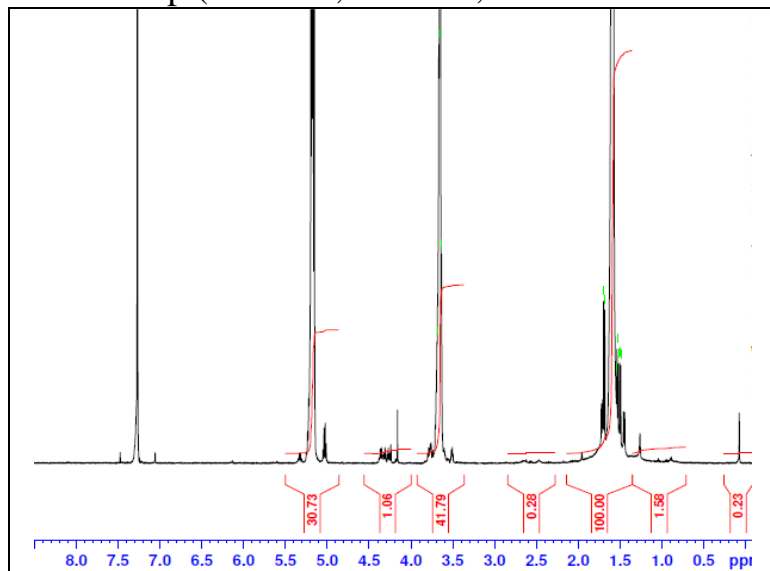


No. AI175

Certificate of Analysis

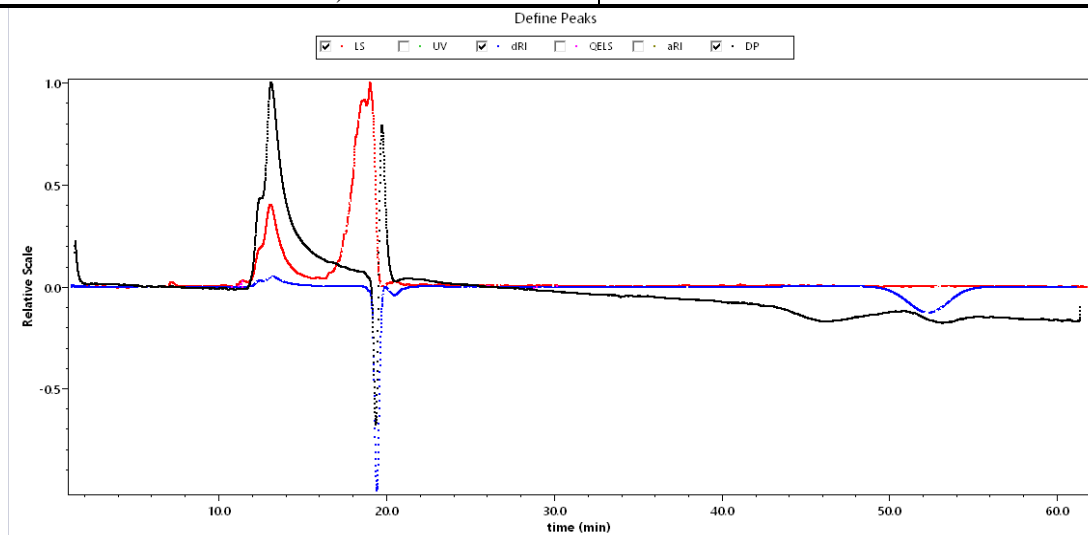


Product Name: Poly(L-Lactide)-b-Poly(ethylene glycol)-carboxylic acid endcap (Mw ~10,000Da-2,000Da 50:50 La:Ga) (Lot# 190318RAI-B)



FTIR Analysis: Collected from cast-film on KBr salt-plate placed in Nicolet Avatar 320 spectrometer and analyzed in transmission mode.

H-NMR Spectrum of copolymers in CDCl₃ (Varian Inova 500 MHz instrument) NMR of PLA-PEG copolymer: EG/LA = 52*/153 (Mn EG/LA 2291/11013 Da)



GPC Analysis Method: Agilent 1260 Infinity II HPLC connected to Dawn Heleos II (MALLS), Optilab T-rEX (RI detector) and Viscostar III viscometer operated by Astra 7 software. GPC analysis performed with separation by a linear gradient column (Tosoh Bioscience LLC, TSKgel GMHHR-L, 7.8 mm x 30 cm) at 0.6 ml/min flow of Acetone.

Polymer	M _n (from GPC)	M _w (from GPC)	PDI
PLA-PEG-COOH	16,980	17,400	1.02
PEG precursor		2300*	

*- from MFG data

Structure of PLLA-PEG-COOH copolymers

