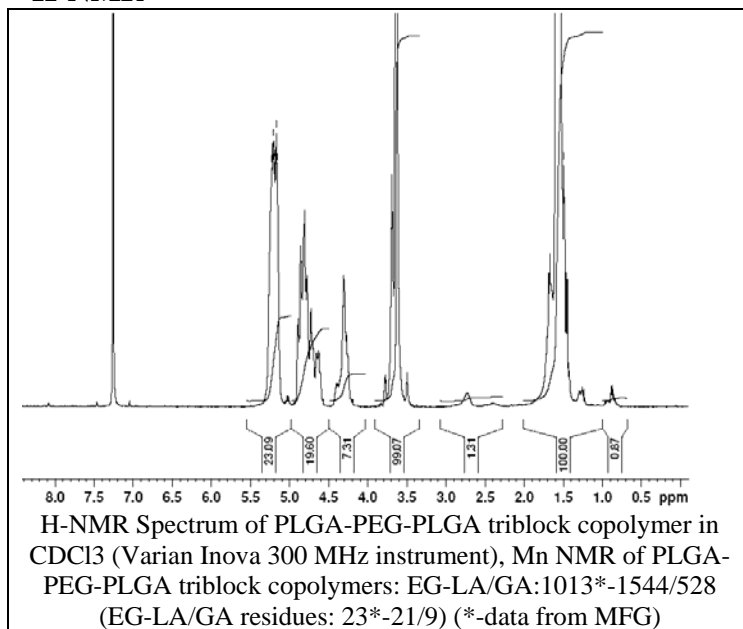


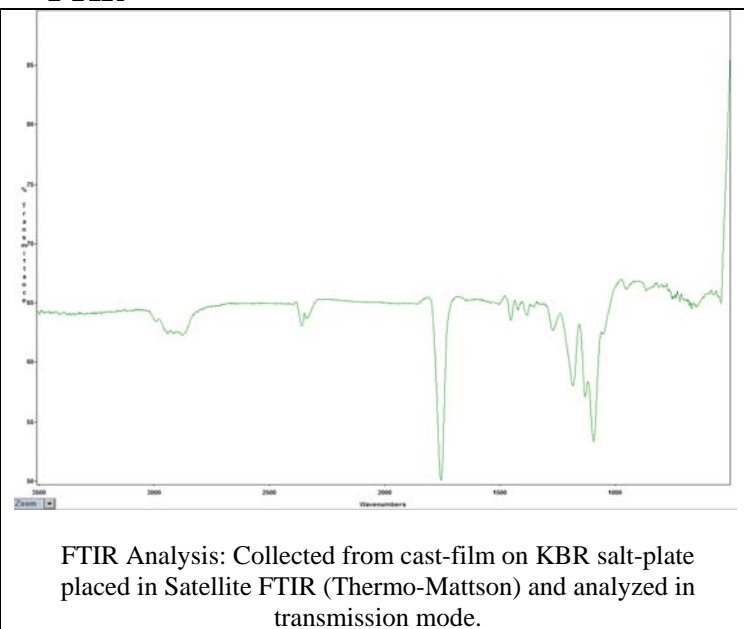
No. AK 24 Certificate of Analysis

Product Name: Poly(lactic-co-glycolic acid)-*b*-Poly(ethylene glycol)-*b*-Poly(lactic-co-glycolic acid) copolymers (Mn ~ 1100-1000-1100 Da, 3:1 La:Ga) (Lot# 31025SMS)

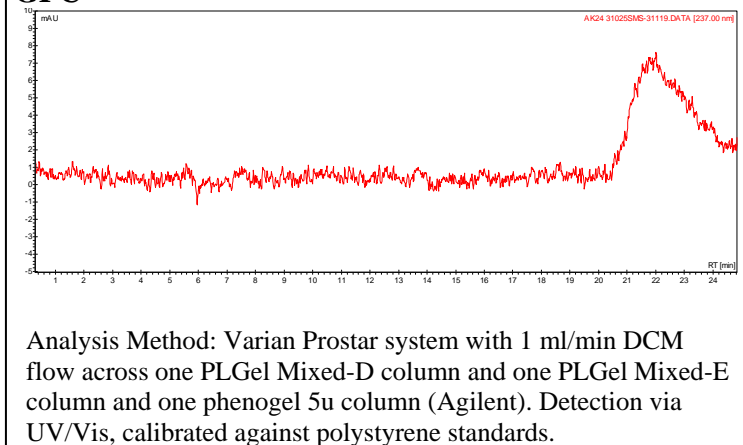
H-NMR



FTIR



GPC

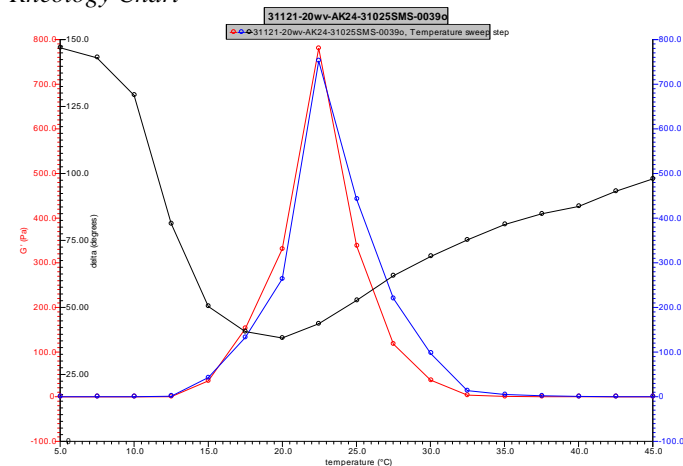


Polymer	M _n (GPC)	M _w (GPC)	PDI
PLGA-PEG-PLGA	3506	5494	1.57

Rheology

Rheology performed on AR550 (TA instruments) with 60mm 2degree cone on 20% w/v polymer in water dissolved overnight with stirring at 4C. Viscosity of solution at 0.1 (sec-1) and 5C was measured (1minute peak hold 5 second test intervals). Rheology performed by oscillating at constant 6.283 rad/s, 0.1% strain, in increments of 2.5C ranging from 5-45C with 3 minutes of temperature equilibration at each point.

Rheology Chart



Viscosity 20% w/v solution at 5C

0.004594 Pa.s

Structure

