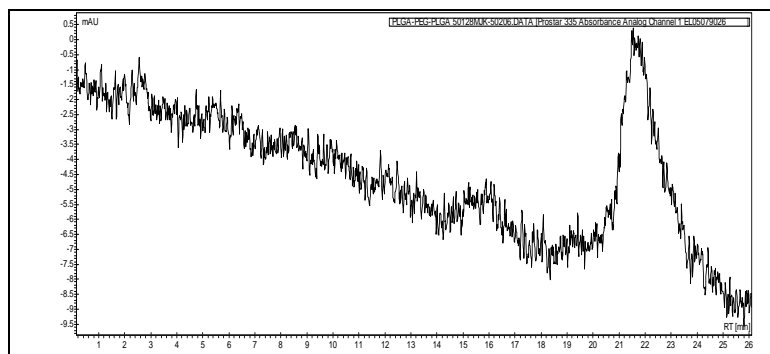
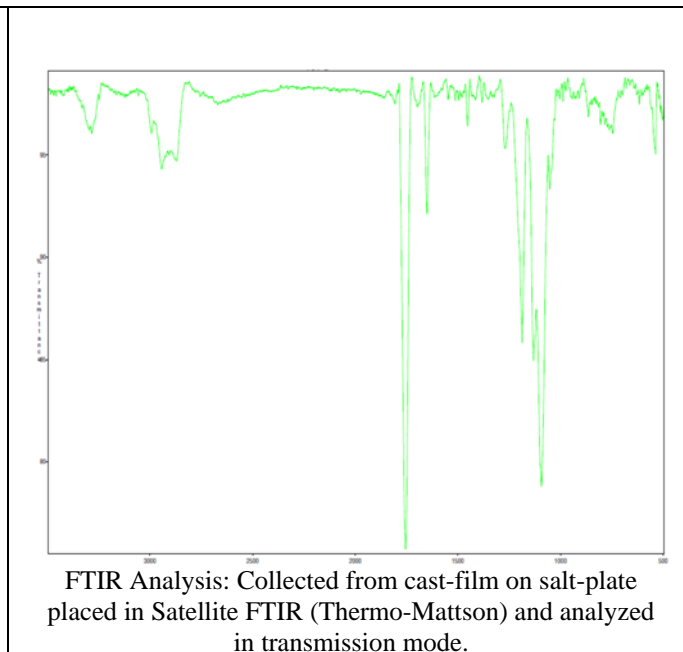
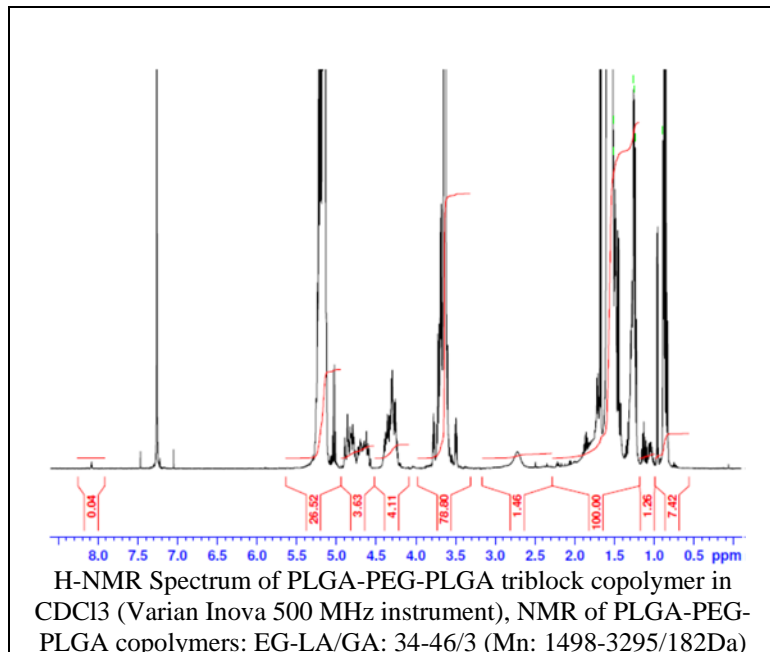


# No. AK97

# Certificate of Analysis



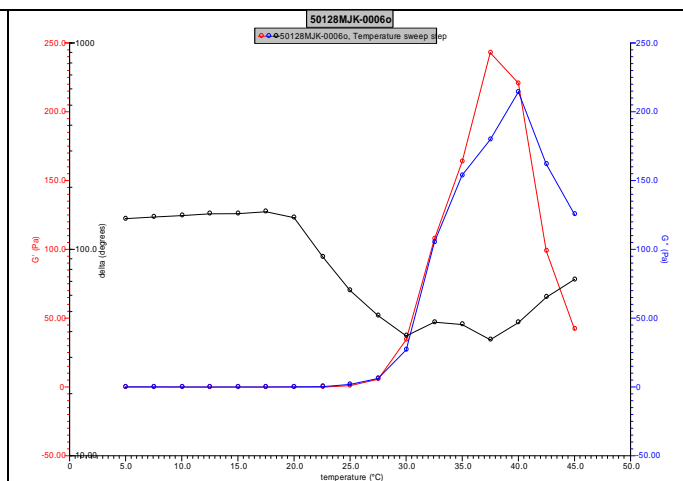
Product Name: Poly(lactic-co-glycolic acid)-*b*-Poly(ethylene glycol)-*b*-Poly(lactic-co-glycolic acid) copolymers (15:1 LA:GA, 1,700-1,500-1,700 Da) (Lot# 50128MJK)



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

Polymer	M <sub>n</sub> (GPC)	M <sub>w</sub> (GPC)	PDI
PLGA-PEG-PLGA	5886	7801	1.33
PEG Precursor	M <sub>n</sub> – Da* (MFG) 1485		

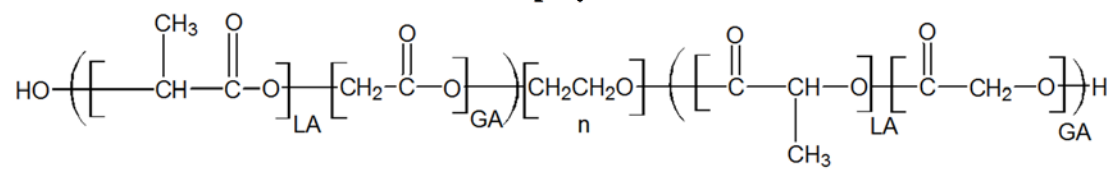
\*- from MFG data



Rheology performed on AR550 (TA instruments) with 60mm 2degree cone on 20% w/v polymer in water dissolved over 3 dayst with stirring at 4°C. Viscosity of solution at 0.1 (sec<sup>-1</sup>) and 5°C 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 2.5°C ranging from 5-45°C with 3 minutes of temperature equilibration at each point.

Viscosity 20% w/v solution at 5°C **0.0394 Pa/s**

### • Structure of PLGA-PEG-PLGA triblock copolymers



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