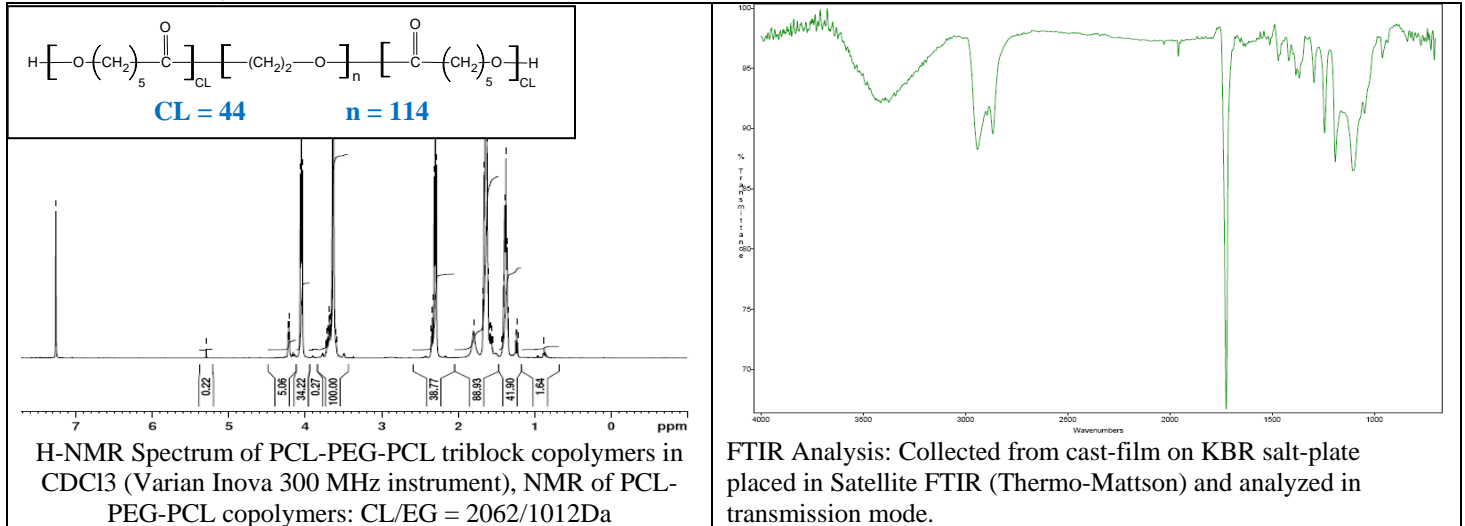
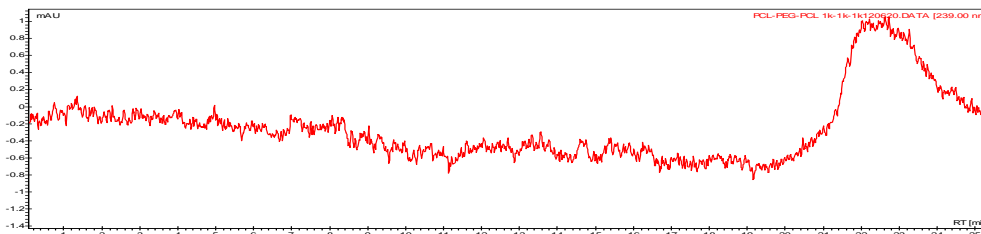


No. AK35 Certificate of Analysis

Product Name: Polycaprolactone-b-Poly(ethylene glycol)-b-Polycaprolactone (MW ~ 1000-1000-1000 Da)



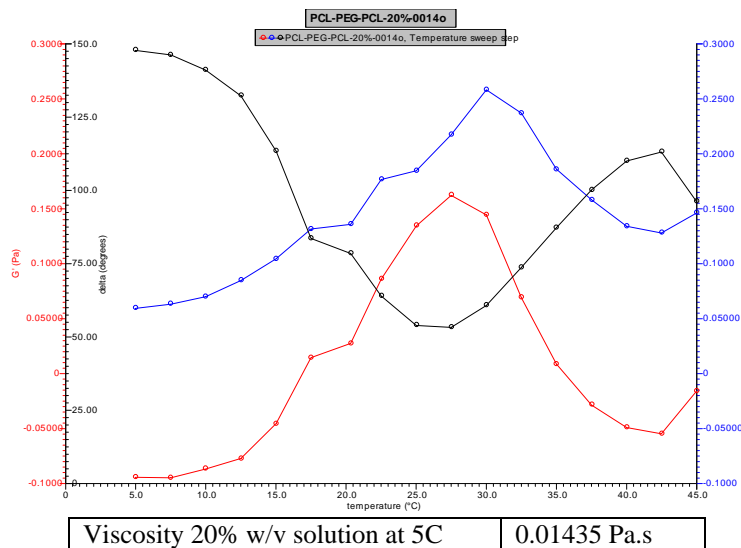
- GPC analysis of PCL-PEG-PCL triblock copolymers**



Polymer	AK35
Mn (from GPC)	4233
Mw (from GPC)	4759
PDI	1.12

Analysis Method: Varian Prostar system with 1 ml/min DCM flow across one PLGel Mixed-D column and one PLGel Mixed-E column and one phenogel 5u column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

- Rheology analysis of PCL-PEG-PCL triblock**



Analysis performed on AR550 (TA instruments) with 60mm 2degree cone on 20% w/v polymer in water dissolved 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.