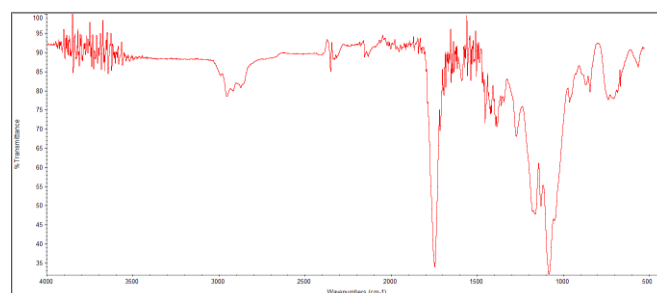
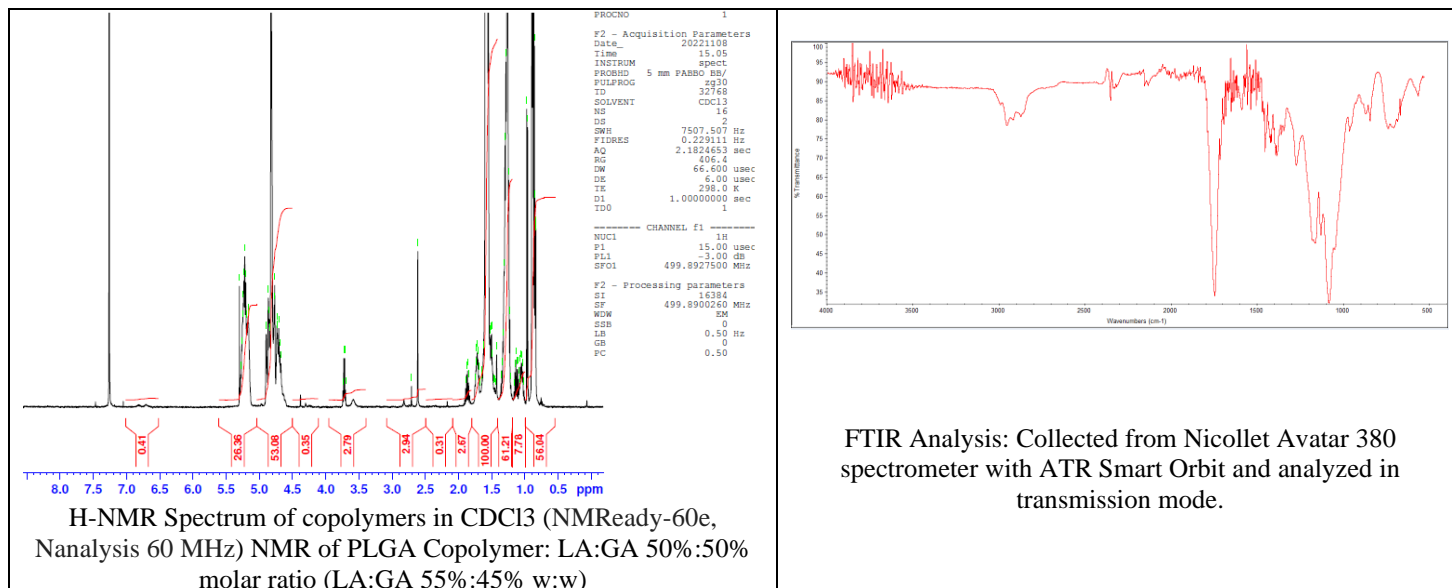


No. AV011

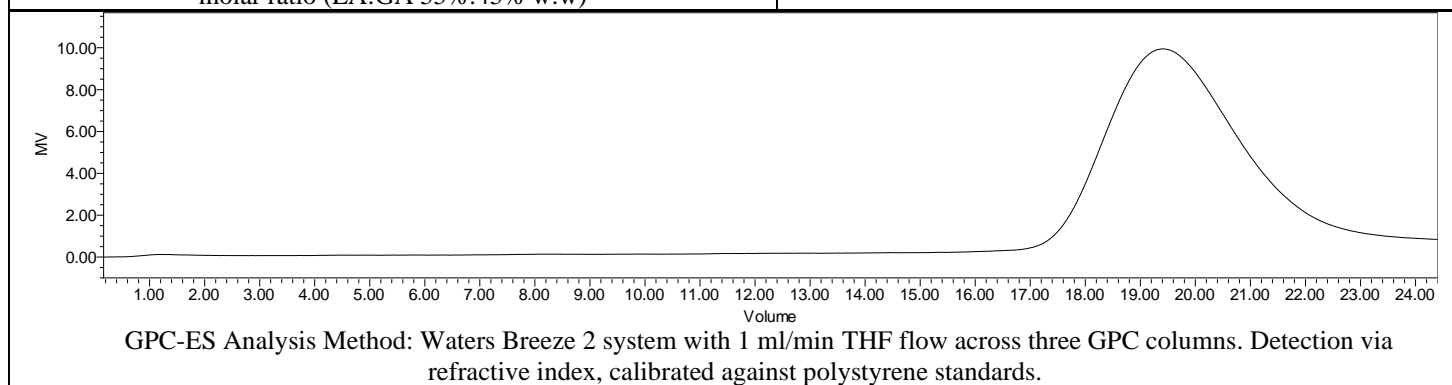
Certificate of Analysis



Product Name: Poly(lactic-co-glycolic acid) copolymer-Rhodamine-B conjugate (M_n 10,000 - 30,000 Da) (Lot#: 221101RAI-A)

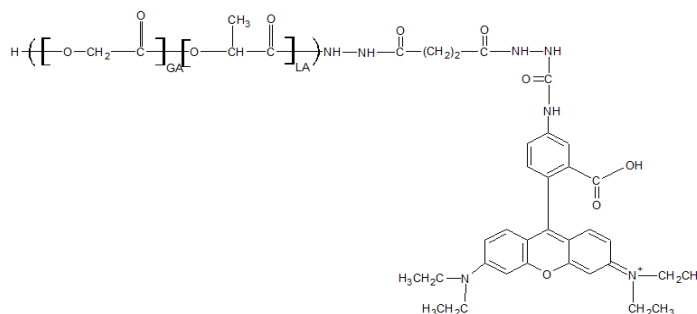


FTIR Analysis: Collected from Nicolet Avatar 380 spectrometer with ATR Smart Orbit and analyzed in transmission mode.



Polymer	M_n (from GPC)	M_w (from GPC)	PDI
PLGA	24,870	38,259	1.58

Structure of PLGA-Rhodamine B copolymers



Dye Content: Testing of absorbance of polymer in DCM solution at 543 nm as compared to series of Rhodamine-B isothiocyanate standards has indicated a dye content of: 30.53 $\mu\text{g}/\text{mg}$ polymer.