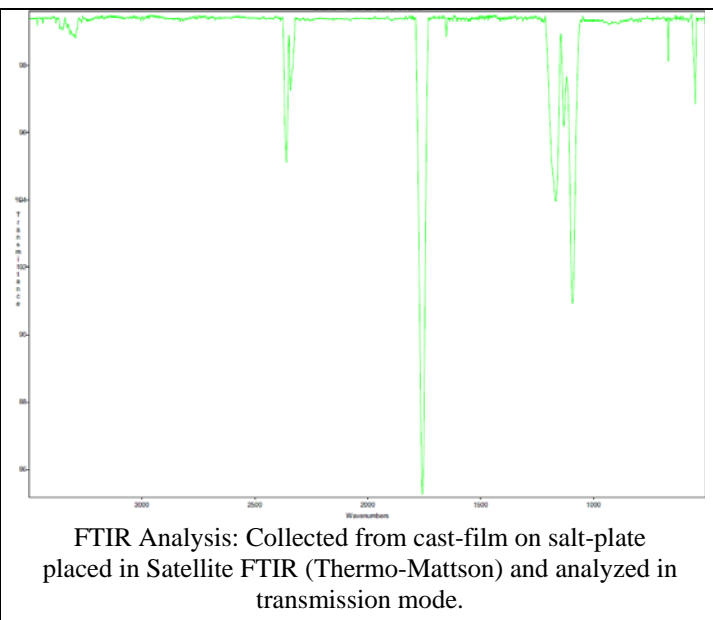
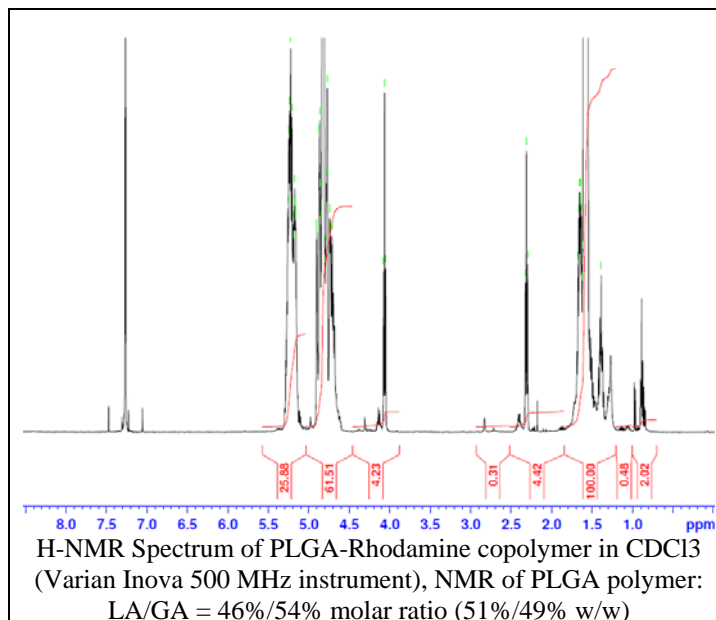


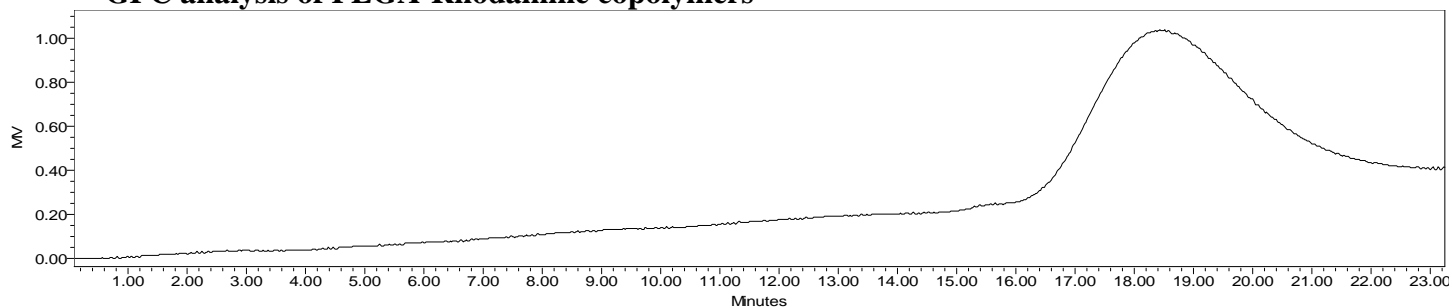
No. AV027

Certificate of Analysis

Product Name: Poly(lactic-co-glycolic acid) copolymer-Rhodamine-B endcap 50:50 LA:GA
(M_n 45,000 – 55,000Da) (Lot#: 60122JSG-A)



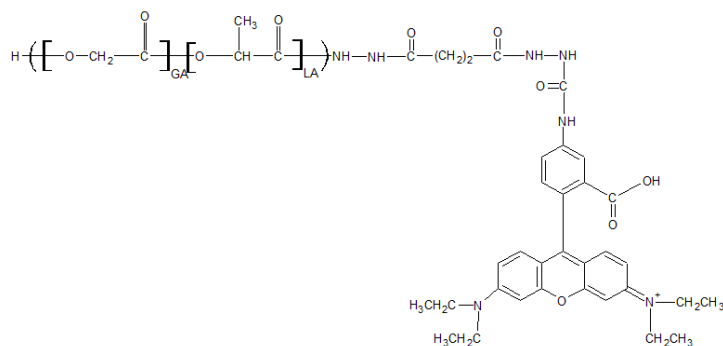
• GPC analysis of PLGA-Rhodamine copolymers



Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across two Phenogel $5\mu m$ columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	M_n (from GPC)	M_w (from GPC)	PDI
PLGA-Rhodamine	45,111	64,351	1.43

• Structure of PLGA-Rhodamine B copolymers



Dye Content: Testing of absorbance of polymer in DMSO solution at 555 nm as compared to series of Rhodamine-B standards has indicated a dye content of: 3.29 $\mu g/mg$ polymer.

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