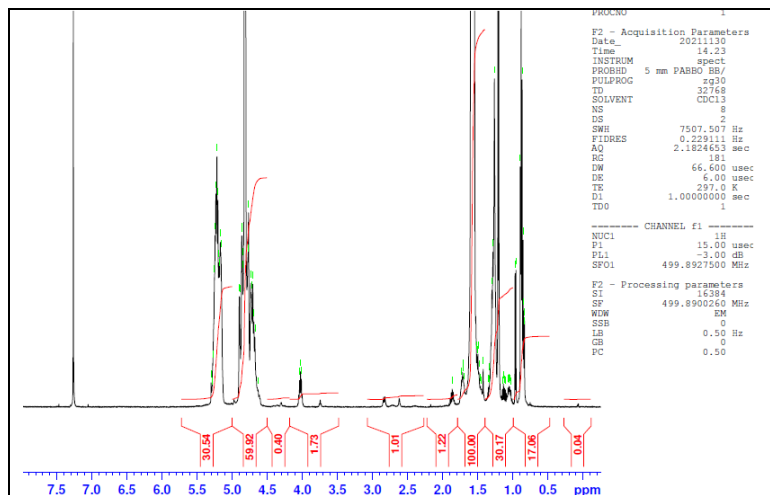


No. AV002

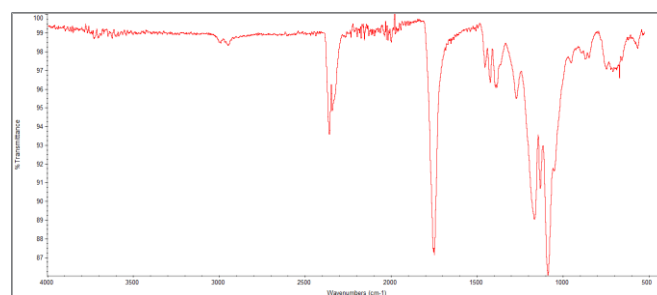
Certificate of Analysis



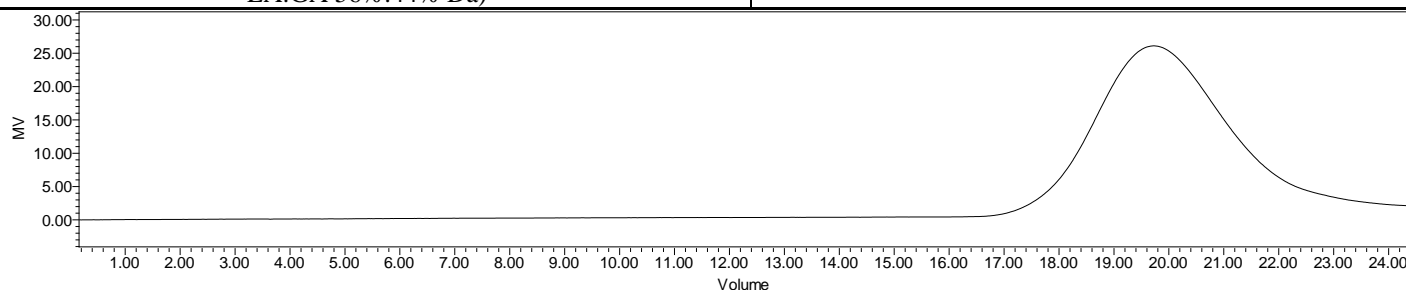
Product Name: Poly(lactic-co-glycolic) copolymer-Fluorescein (50:50 LA:GA,
Mn 10,000 - 20,000Da) (Lot# 211119RAI-A)



H-NMR Spectrum of copolymers in CDCl₃ (Bruker ≥300 MHz, PINMRF) NMR of PLGA copolymer: LA-GA =50%-50% (Mn LA:GA 56%:44% Da)



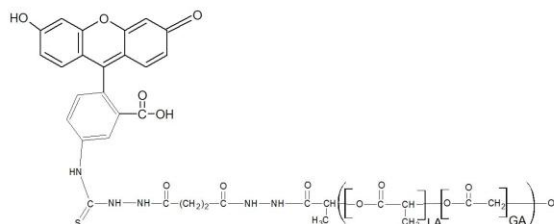
FTIR Analysis: Collected from Nicolet Avatar 380 spectrometer with ATR Smart Orbit and analyzed in transmission mode.



GPC-ES Analysis Method: Waters Breeze 2 system with 1 ml/min THF flow across three GPC columns. Detection via refractive index, calibrated against polystyrene standards.

Polymer	M _n (from GPC)	M _w (from GPC)	PDI
PLGA	19,941	34,787	1.74

Structure of PLGA-Fluorescein copolymers



Dye Content: Testing of absorbance of polymer in DCM solution at 490 nm as compared to series of FITC standards has indicated a dye content of 15.15 µg/mg polymer