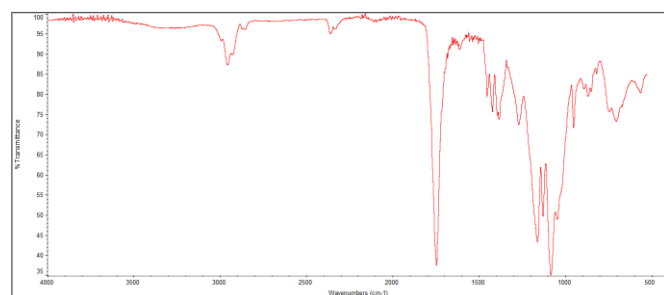
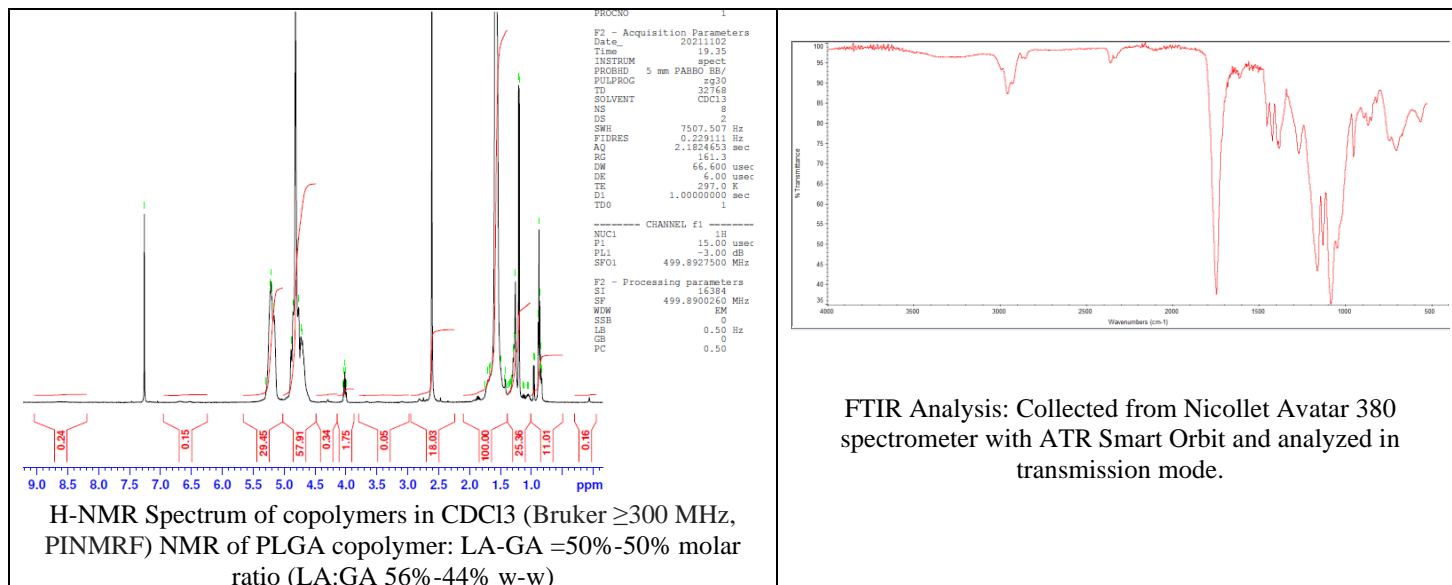


No. AV004

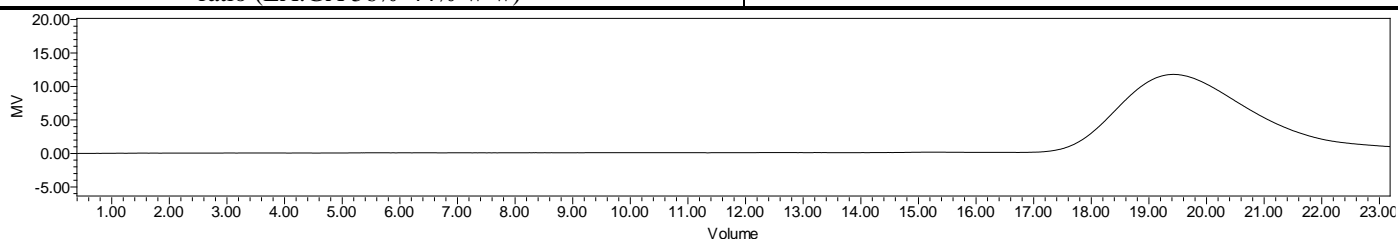
# Certificate of Analysis



Product Name: Poly(lactic-co-glycolic) copolymer-Fluorescein (50:50 LA:GA,  
Mn 10,000 - 20,000Da) (Lot# 211022BRD-A)



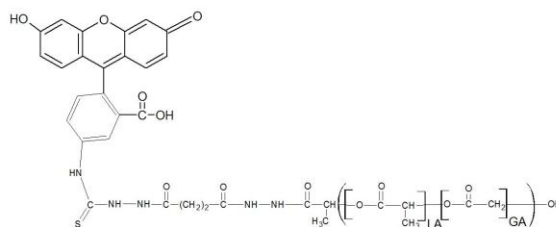
FTIR Analysis: Collected from Nicolet Avatar 380 spectrometer with ATR Smart Orbit and analyzed in transmission mode.



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 <sub>n</sub> (from GPC) | M <sub>w</sub> (from GPC) | PDI  |
|------------|---------------------------|---------------------------|------|
| PLGA-Fluor | 25,380                    | 38,736                    | 1.53 |

## 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 213.91 µg/mg polymer

