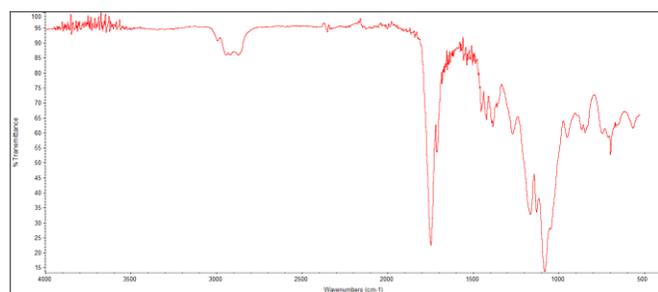
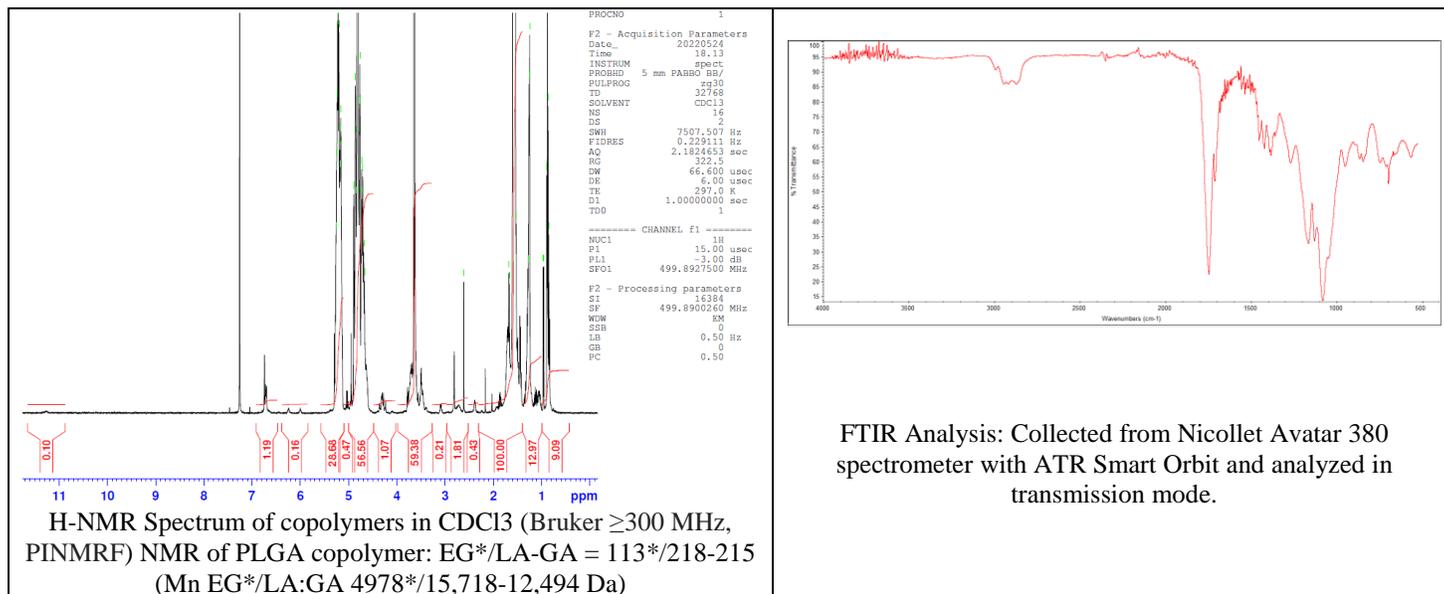


# No. AI110

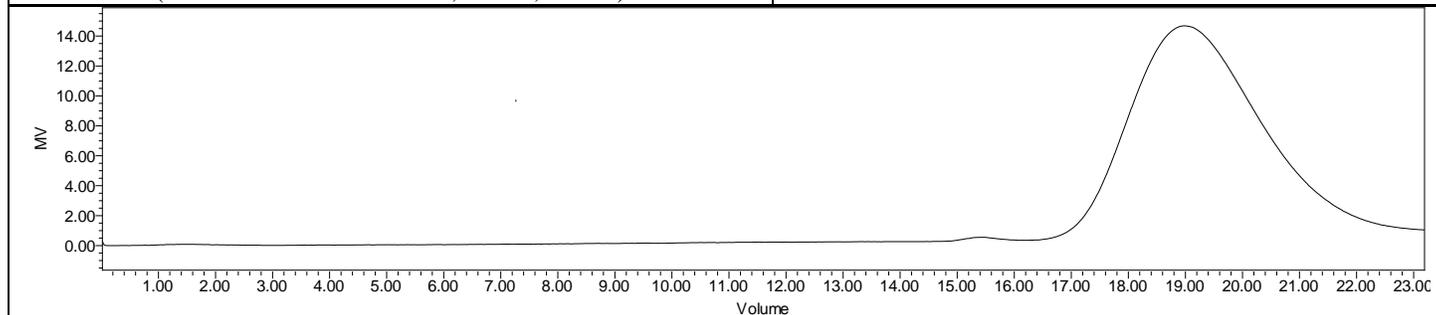
# Certificate of Analysis



Product Name: Poly(lactide-co-glycolide)-b-Poly(ethylene glycol)-Maleimide  
Copolymers ( $M_w \sim 30,000-5,000\text{Da}$ , LA:GA 50:50) (Lot#: 220516RAI-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        | $M_n$ (from GPC) | $M_w$ (from GPC) | PDI  |
|----------------|------------------|------------------|------|
| PLGA-PEG-MAL   | 34,049           | 51,611           | 1.52 |
| PEG-precursor* |                  | 4996*            |      |

\*- from MFG data

## • Structure of PLGA-PEG-Mal copolymers

