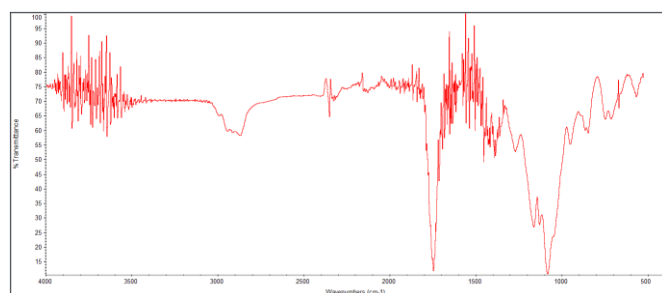
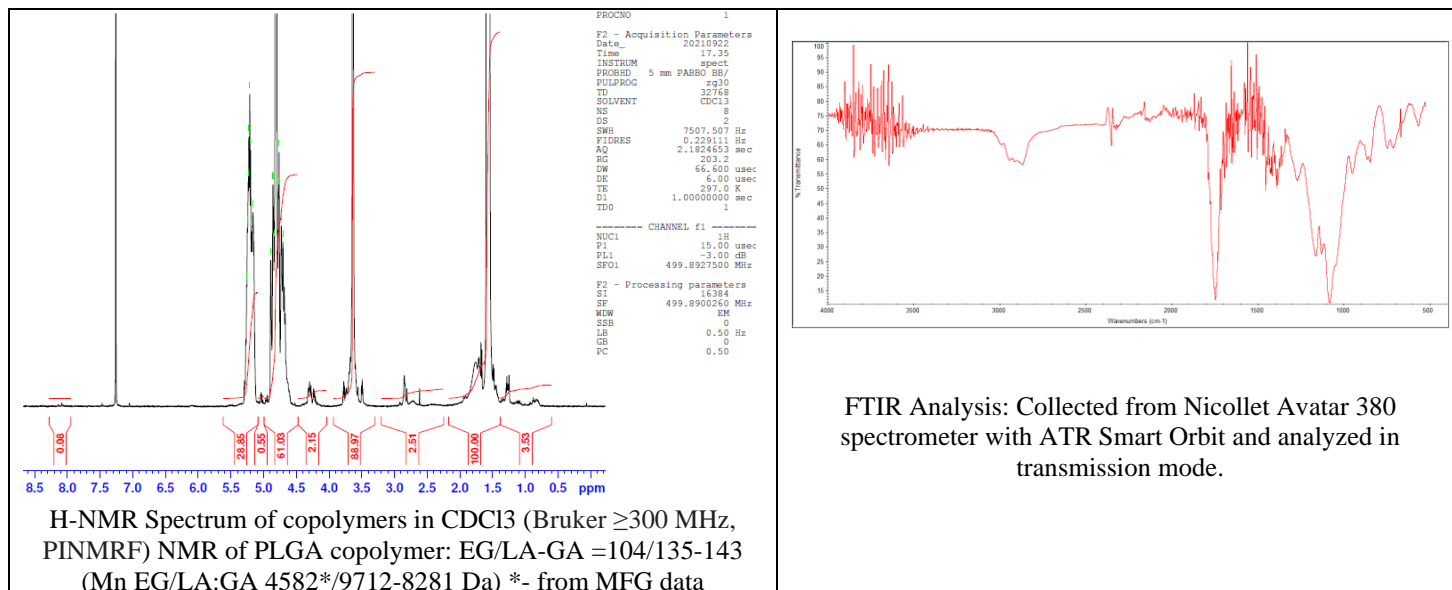


No. AI111

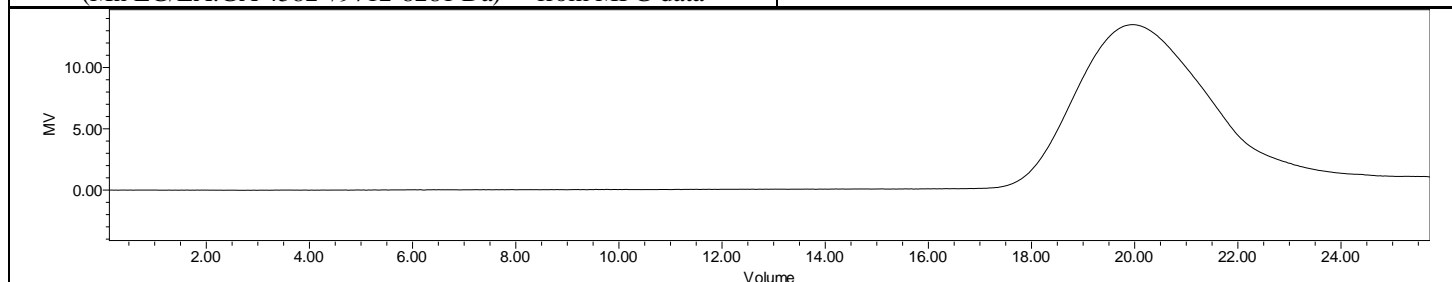
Certificate of Analysis



Product Name: Poly(lactide-co-glycolide)-b-Poly(ethylene glycol)-N-hydroxysuccinimide endcap (~20,000 Da-5,000 Da, 50:50 LA:GA) (Lot#: 210910RAI-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-NHS	19,988	30,572	1.53
HO-PEG-COOH*		4600*	

*- from MFG data

Structure of PLGA-PEG-NHS copolymers

