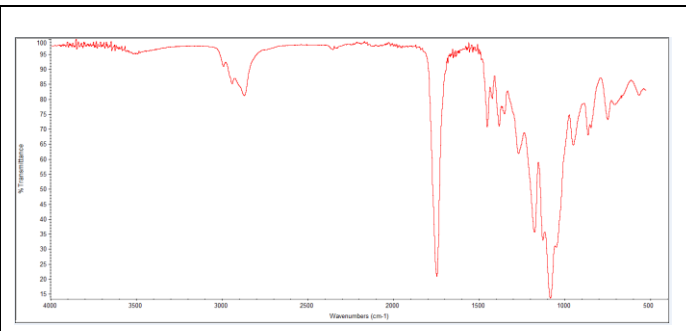
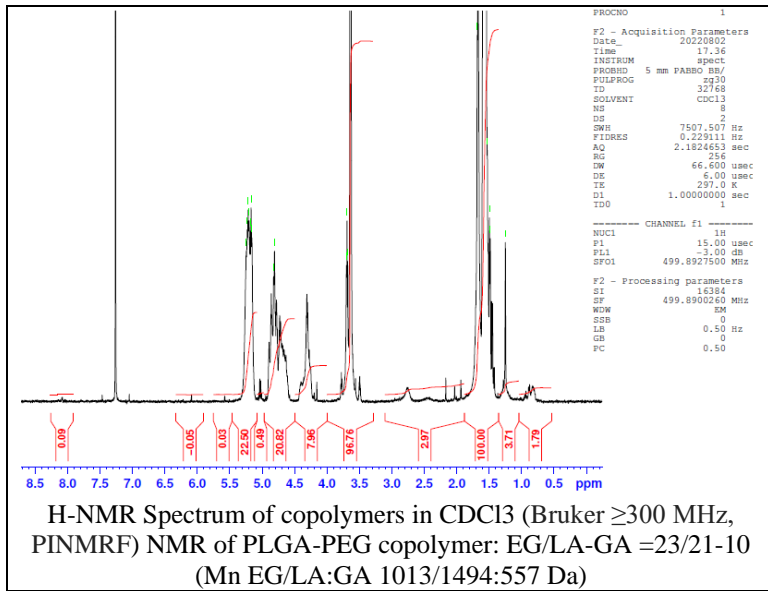


# No. AK024

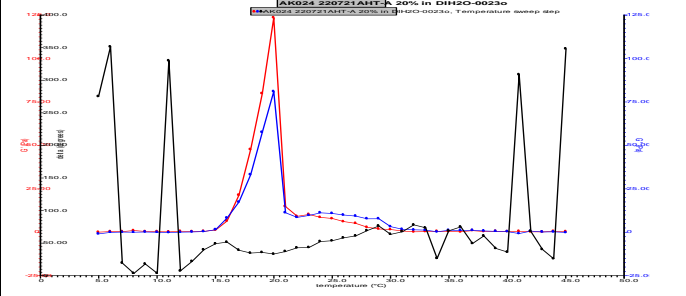
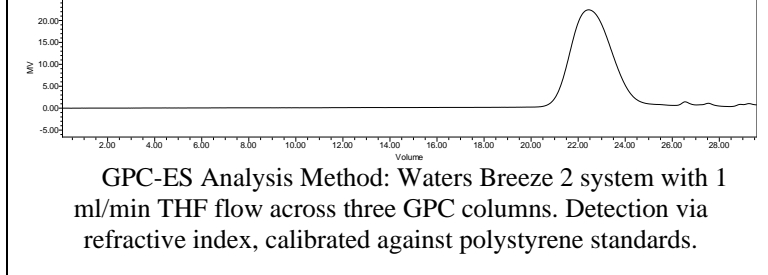
# Certificate of Analysis



Product Name: Poly(lactide-co-glycolide)-*b*-Poly(ethylene glycol)-*b*-Poly(lactide-co-glycolide) (Mw ~ 1,100:1,000:1,100 Da, 75:25 LA:GA)  
(Lot# 220721AHT-A)



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



Rheology performed on AR2000 (TA instruments) with 60mm 2degree cone on 20% w/v polymer in water dissolved over 3 days with stirring at 4°C. Viscosity of solution at 0.1 (sec<sup>-1</sup>) and 5°C was measured (1minute peak hold 5 second test intervals). Rheology performed by oscillating at constant 6.283 rad/s, 0.1% strain, in increments of 1°C ranging from 5-45°C with 1 minutes of temperature equilibration at each point.

Polymer	M <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
PLGA-PEG	3587	4576	1.27
PEG precursor*	1011*		

\*- from MFG data

Viscosity 20% w/v solution at 5°C **.04983 Pa/s**

## Structure of PLGA-PEG-PLGA

