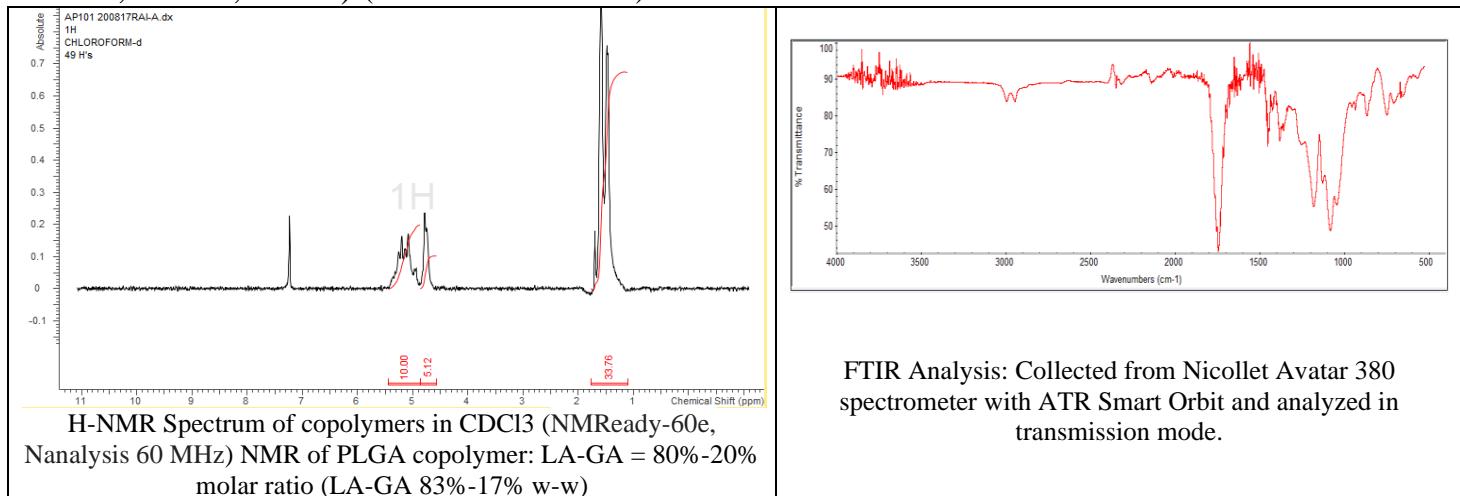


**No. AP207**

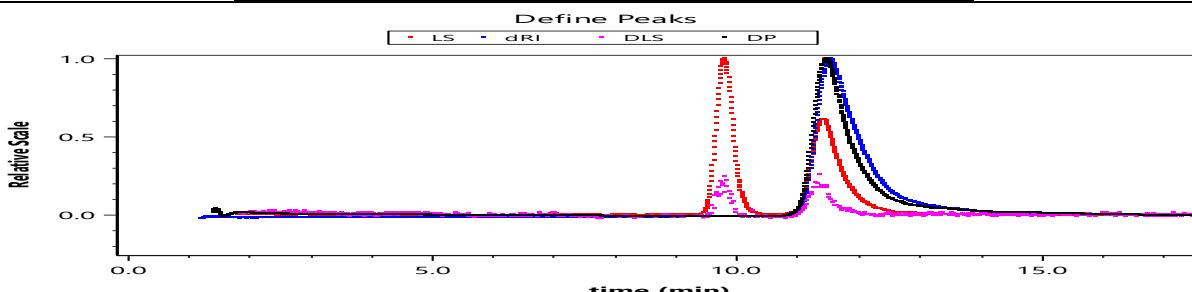
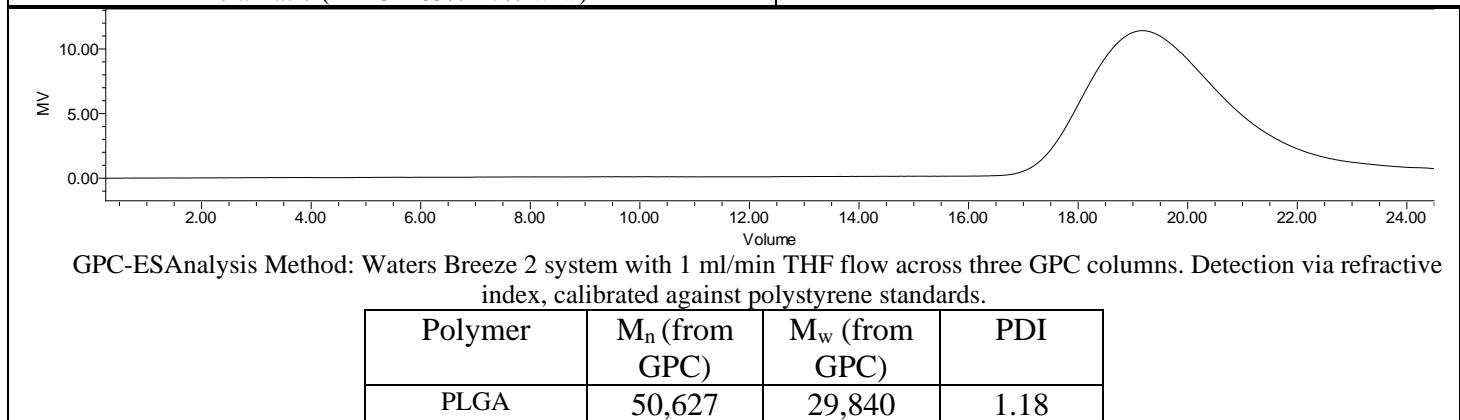
# Certificate of Analysis

Product Name: Poly(lactide-co-glycolide) ester endcap (80:20 LA:GA,  
Mn: 45,000-55,000Da) (Lot#: 200817RAI-A)



H-NMR Spectrum of copolymers in CDCl<sub>3</sub> (NMReady-60e, Nanalysis 60 MHz) NMR of PLGA copolymer: LA-GA = 80%-20% molar ratio (LA-GA 83%-17% w-w)

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



Polymer	M <sub>n</sub> (from GPC-4D)	M <sub>p</sub> (from GPC-4D)	M <sub>w</sub> (from GPC-4D)	Radius (r(avg), nm)	Intrinsic viscosity ([n](avg), mL/g)
PLGA	41,961	76,030	69,475	16.7	42.570

\* - Due to differences in methodology, Results from GPC-4D universal calibration will be different from those obtained from GPC-ES. The data from GPC-4D analysis is provided for customer information only.

- Structure of PLGA copolymers**

