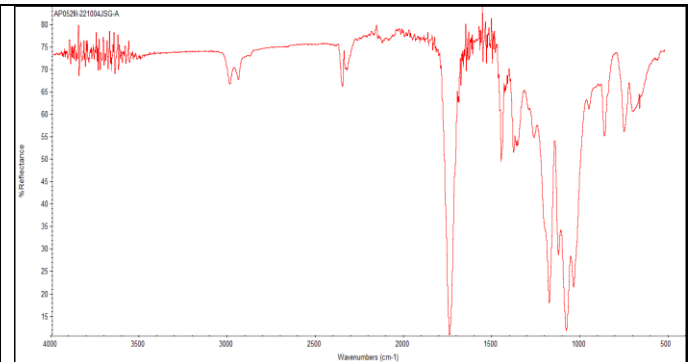
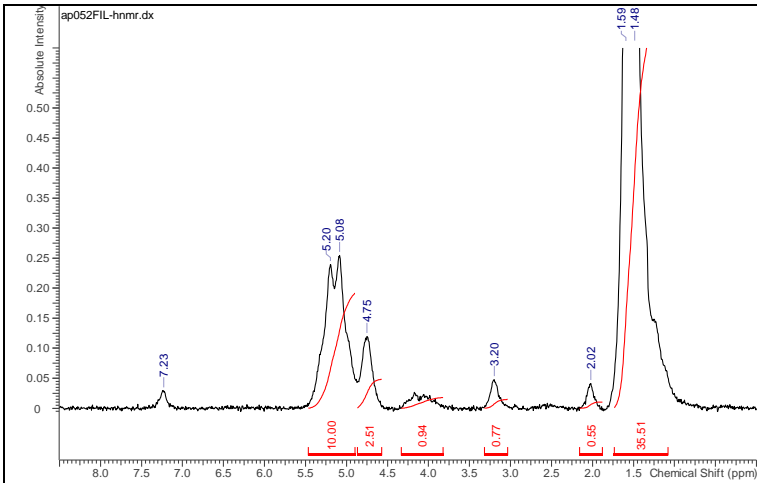


No. AF004

Certificate of Analysis

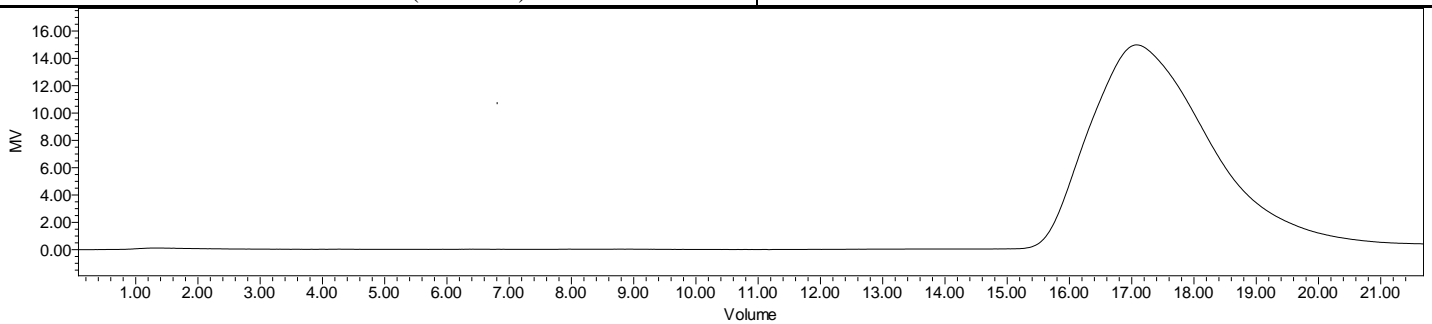


Product Name: Poly(L-lactide-co-glycolide) acid endcap (85:15 LA:GA) filament + 7.5% Acetyltriethylcitrate (Lot#: 220919JSG-A) (1.7 mm x 1 M)



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

H-NMR Spectrum of copolymers in CDCl₃ (NMReady-60e, Nanalysis 60 MHz) NMR of PLGA copolymer: Lactide:Glycolide molar ratio 89:11 (91:9 w:w)



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 | 129,089 | 193,992 | 1.50 |

Filament Properties

- **Nominal Diameter:** 1.7 mm
- **Extruded Temperature:** 140 - 160 °C
- **Color:** tan to light brown.