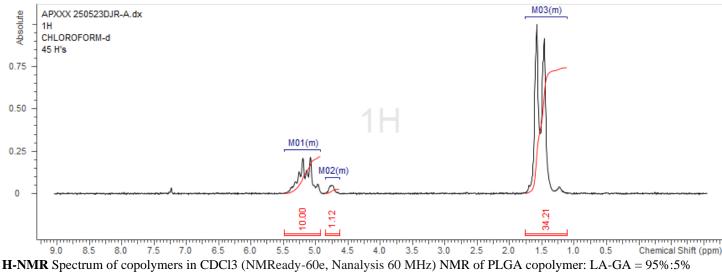
No. AP321

Certificate of Analysis



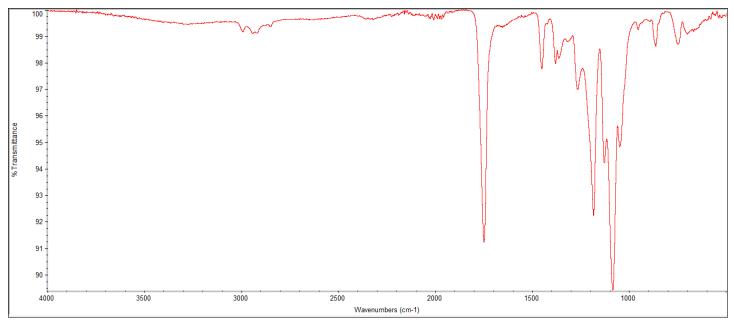
Product Name: Poly(lactide-co-glycolide) acid endcap (95:5 LA:GA, Mn: ~200,000 Da) (Lot#: 250523DJR-A)

H-NMR

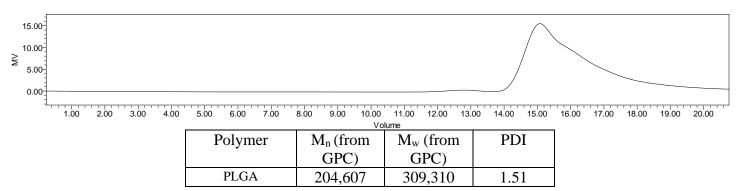


molar ratio(LA:GA 96%:4% w:w)

FTIR

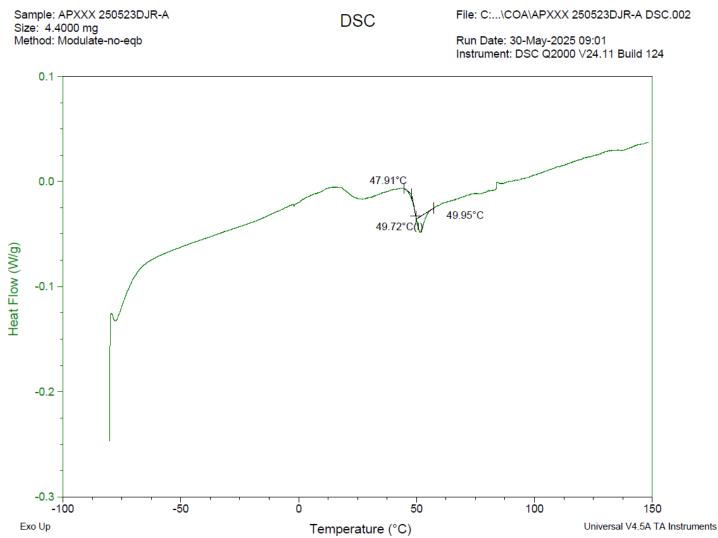


FTIR Analysis: Collected from IS5 ID7-ATR spectrometer (Thermo Scientific) and analyzed in transmission mode.



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.

DSC



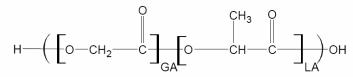
DSC Testing: 1-5 mg sample tested in crimped aluminum pan on a TA Instruments Model Q2000 with procedure equilibraion 100 °C, isothermal 5 minutes, equilibrate -80 °C, data on, ramp 10 °C/min to 150 °C. Tg = 49.72 °C

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IV

Inherent Viscosity: $0.835 \pm 0.020 \text{ dL/g}$ (calculated from kinematic viscosity at 2% w/v Acetone on Rheosense microVISC, n=3) at 25°C.

Structure of copolymers



Approved By: *Amie Tyler* Quality Manager