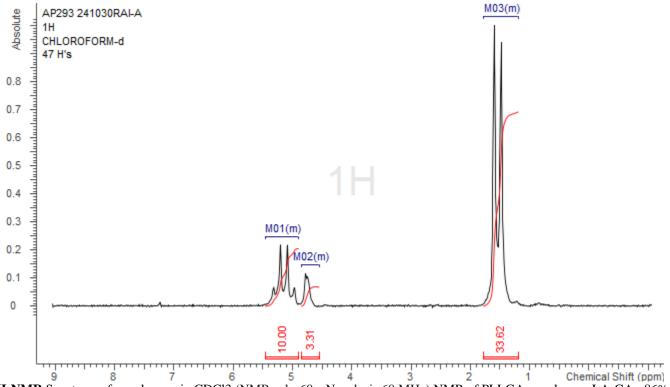
No. AP293 Certificate of Analysis



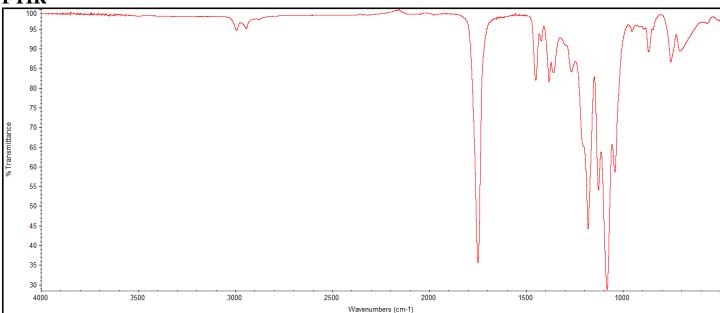
Product Name: Poly(L-lactide-co-glycolide) LG 85:15 acid endcap (M_n 100,000-200,000 Da) (Lot#: 241030RAI-B)

H-NMR



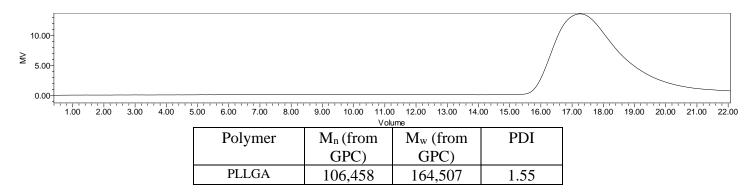
H-NMR Spectrum of copolymers in CDCl3 (NMReady-60e, Nanalysis 60 MHz) NMR of PLLGA copolymer: LA-GA =86%-14% molar ratio (LA:GA 88%:12% w:w)





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

GPC-ES



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.

IV

Inherent Viscosity: 0.812 dL/g (calculated from kinematic viscosity at 2% w/v Acetone on Rheosense microVISC, n=3) at 25°C.

DSC

Sample: AP293 241030RAI-B

Size: 4.9000 mg

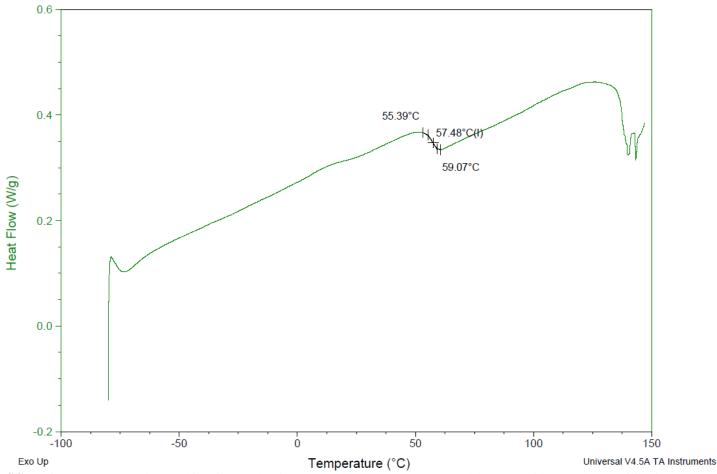
Method: Glass Transition-simple

DSC

File: C:...\COA\AP293 241030RAI-B.001

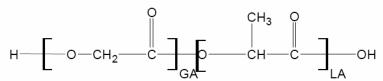
Run Date: 13-Nov-2024 12:20

Instrument: DSC Q2000 V24.11 Build 124



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 = 57.48 °C

Structure of PLLGA copolymers



Approved By: Amie Tyler Quality Manager