

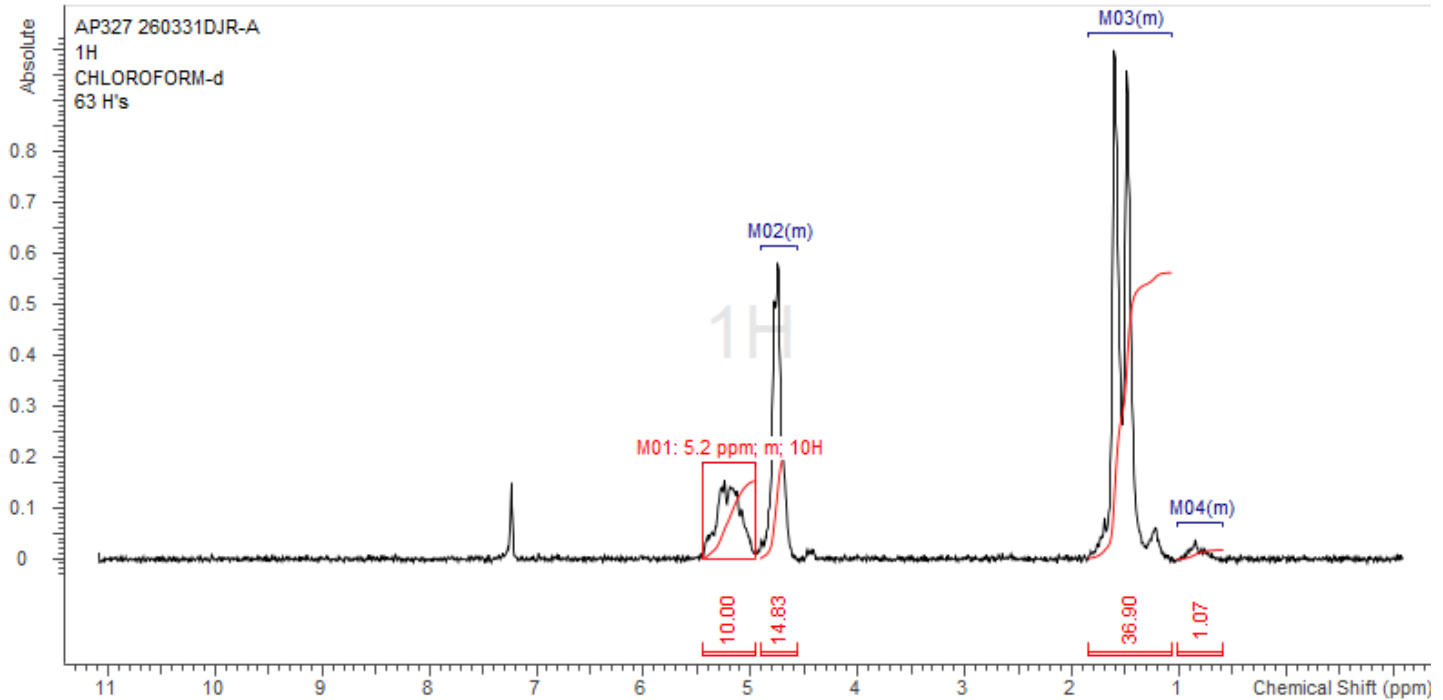
No. AP327

Certificate of Analysis



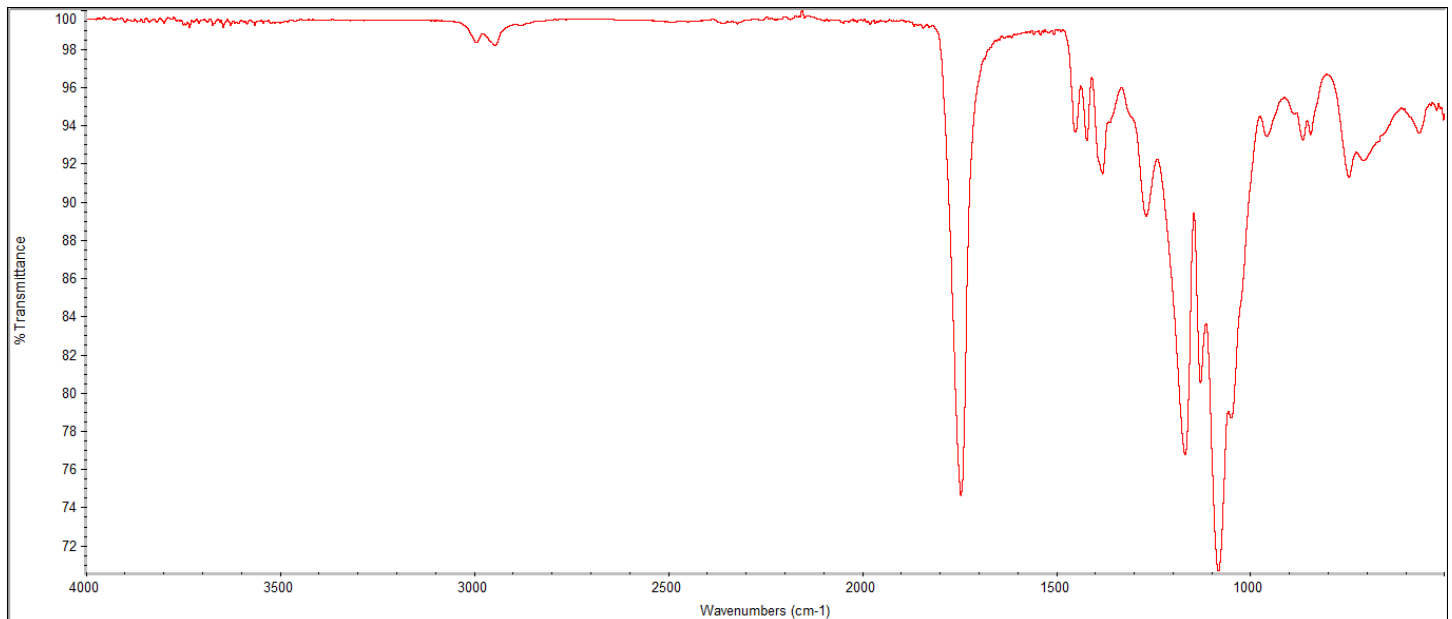
Product Name: Poly (lactic-co-glycolic acid) ester endcap 60:40 LA:GA (Mn: 25,000-35,000Da) (Lot#: 260331DJR-A)

H-NMR



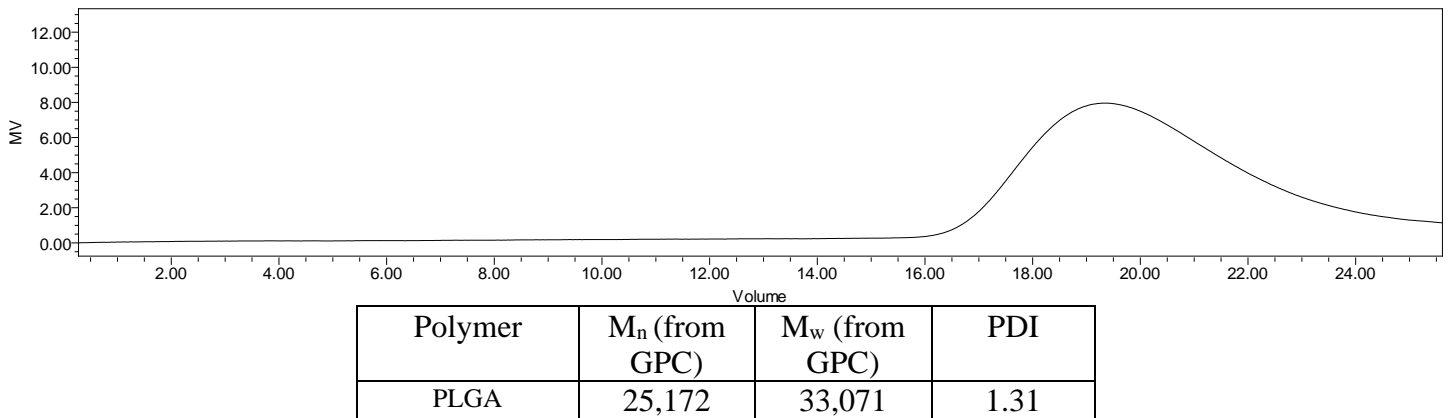
H-NMR Spectrum of copolymers in CDCl₃ (NMReady-60e, Nanalysis 60 MHz) NMR of PLGA copolymer: LA-GA =57%-43% molar ratio (LA:GA 62%:38% w:w)

FTIR



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.

DSC

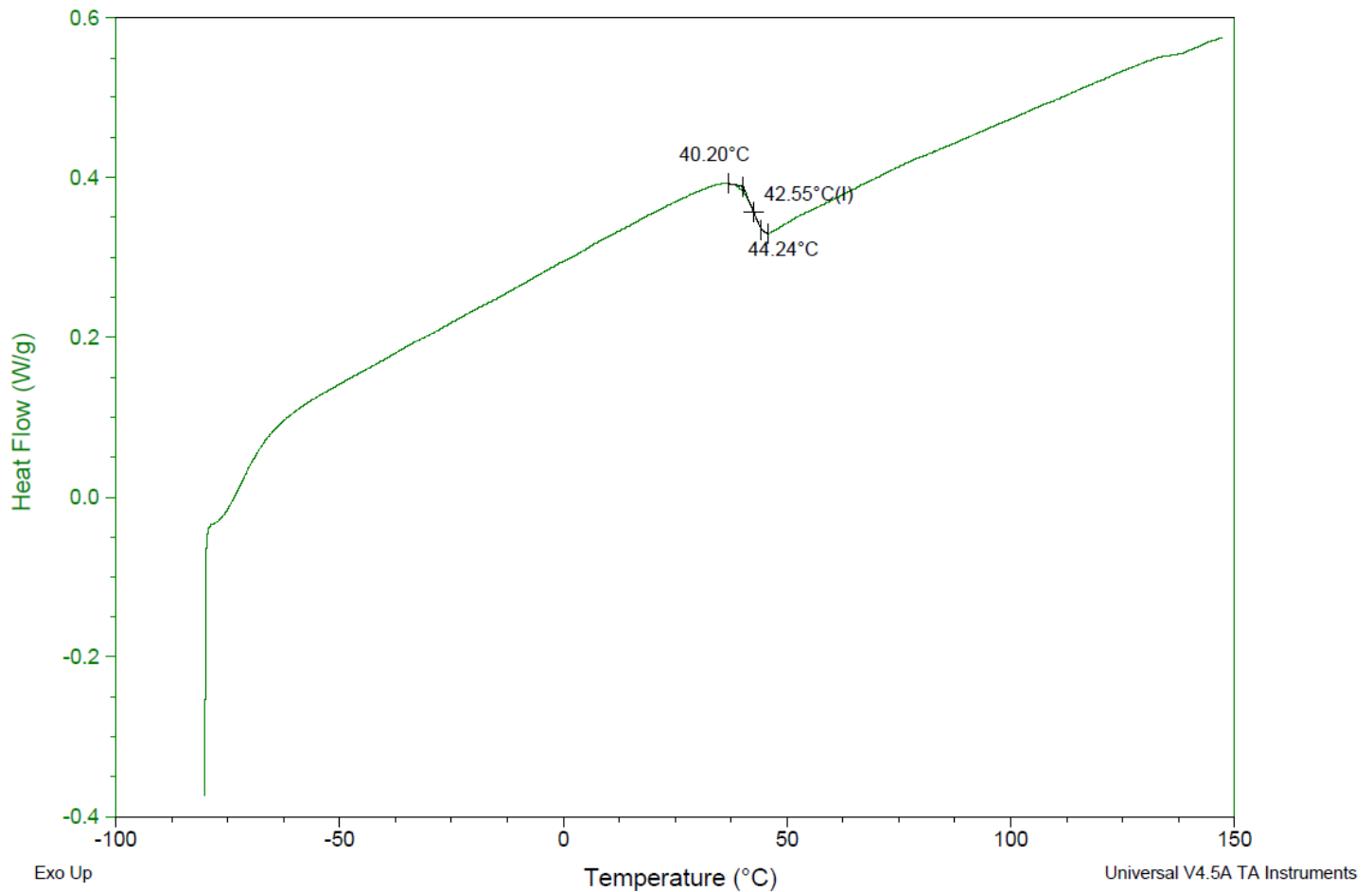
Sample: AP327 260331DJR-A
Size: 2.7000 mg
Method: Ramp

DSC

File: C:\...\COA\APXXX 260331DJR-A.001

Run Date: 14-Apr-2026 11:06

Instrument: DSC Q2000 V24.11 Build 124

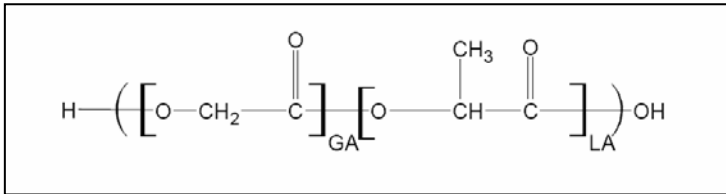


DSC Testing: 1-5 mg sample tested in crimped aluminum pan on a TA Instruments Model Q2000 with procedure equilibraion 100 °C, isothermal 5 minutes, equilibrate -80 °C, data on, ramp 10 °C/min to 150 °C. T_g = 42.55 °C

IV

Inherent Viscosity: 0.241 ± 0.009 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