

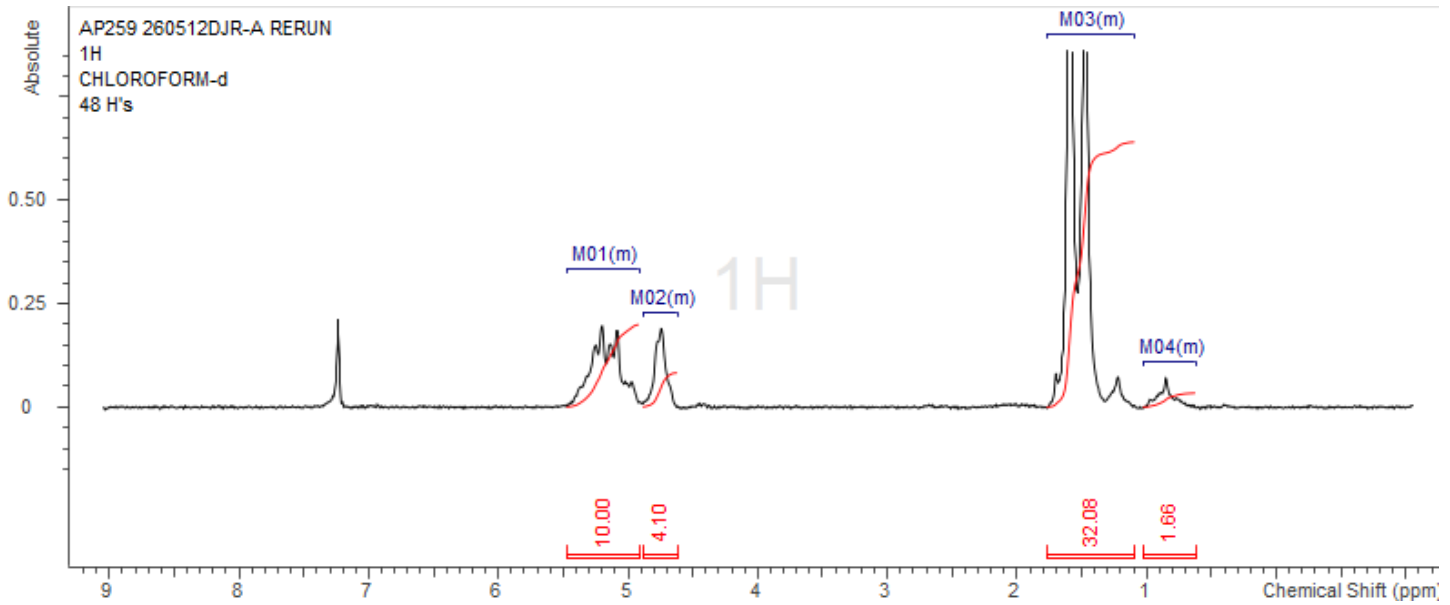
No. AP259

Certificate of Analysis



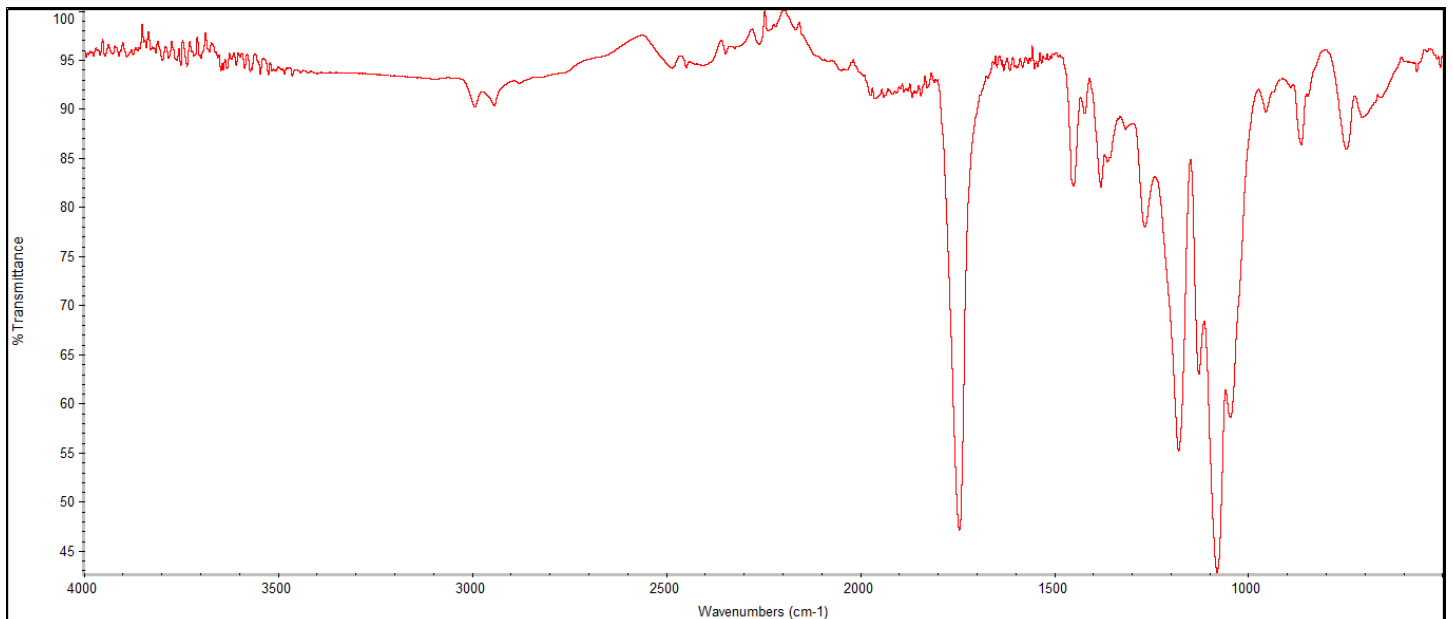
Product Name: Poly(lactide-co-glycolide) acid endcap (85:15 LA:GA)
(Mn: 15,000-25,000 Da) (Lot#: 260512DJR-A)

H-NMR



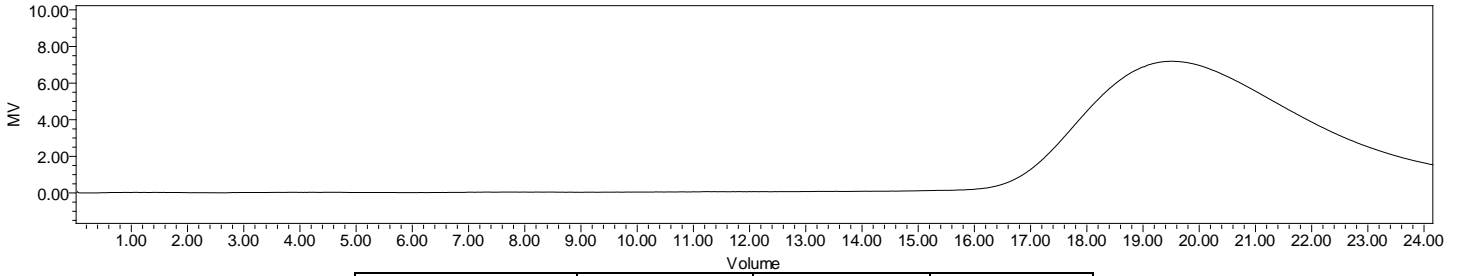
H-NMR Spectrum of copolymers in CDCl₃ (NMReady-60e, Nanalysis 60 MHz) NMR of PLGA copolymer: LA-GA =83%-17% molar ratio (LA:GA 86%:14% w:w)

FTIR



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

GPC-ES



Polymer	M _n (from GPC)	M _w (from GPC)	PDI
PLGA	17,311	27,622	1.60

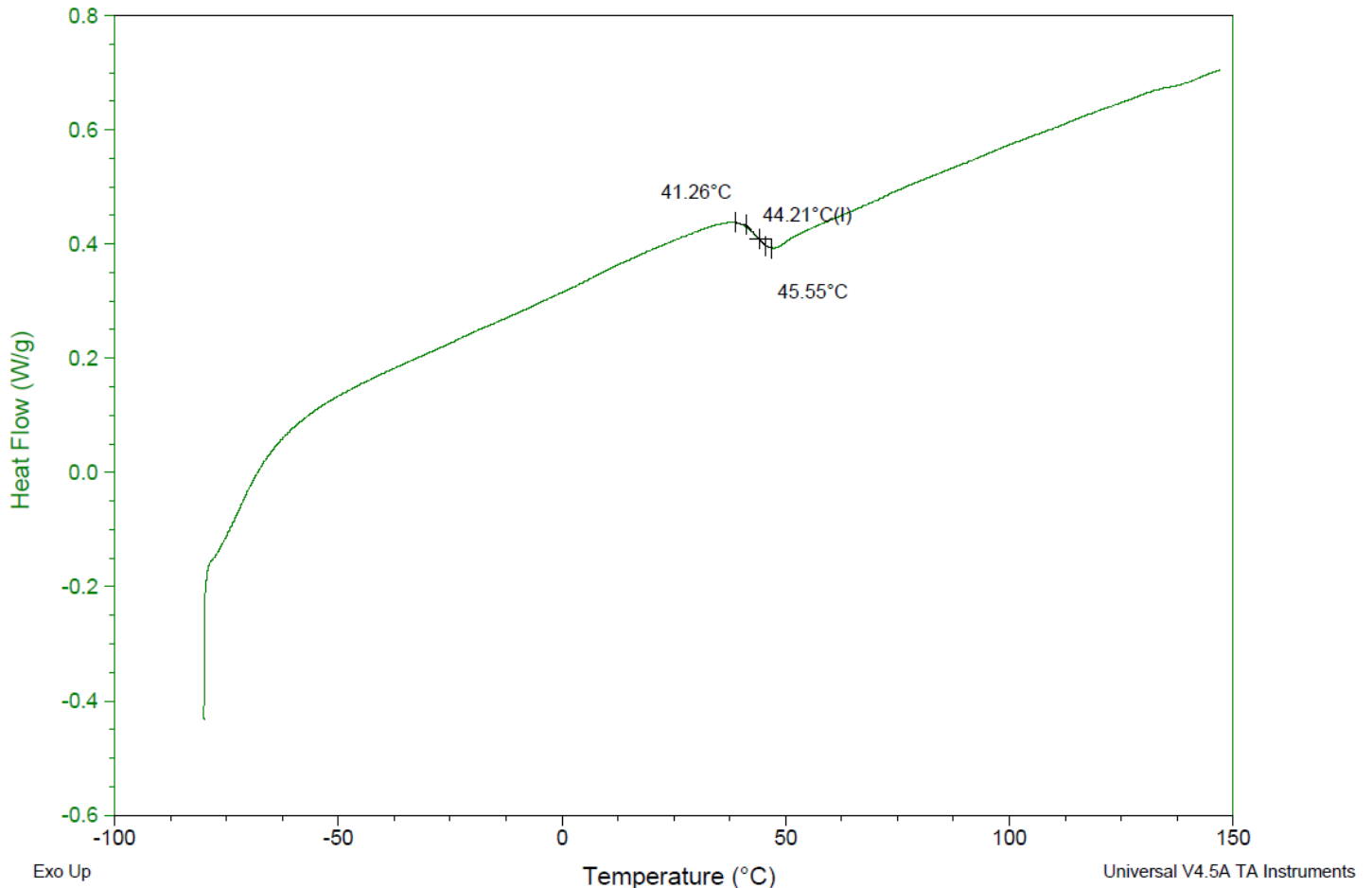
GPC-ES Analysis Method: Waters Breeze 2 system with 1 ml/min THF flow across three GPC columns. Detection via refractive index, calibrated against polystyrene standards.

DSC

Sample: AP084 260512DJR-A
 Size: 3.0000 mg
 Method: Ramp

DSC

File: \\...COA\AP084 260512DJR-A.001
 Run Date: 15-May-2026 14:35
 Instrument: DSC Q2000 V24.11 Build 124

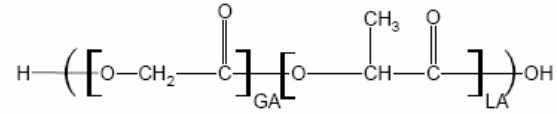


DSC Testing: 1-5 mg sample tested in crimped aluminum pan on a TA Instruments Model Q2000 with procedure equilibraion 100 °C, isothermal 5 minutes, equilibrate -80 °C, data on, ramp 10 °C/min to 150 °C. T_g = 44.21 °C

IV

Inherent Viscosity: 0.132 ± 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