

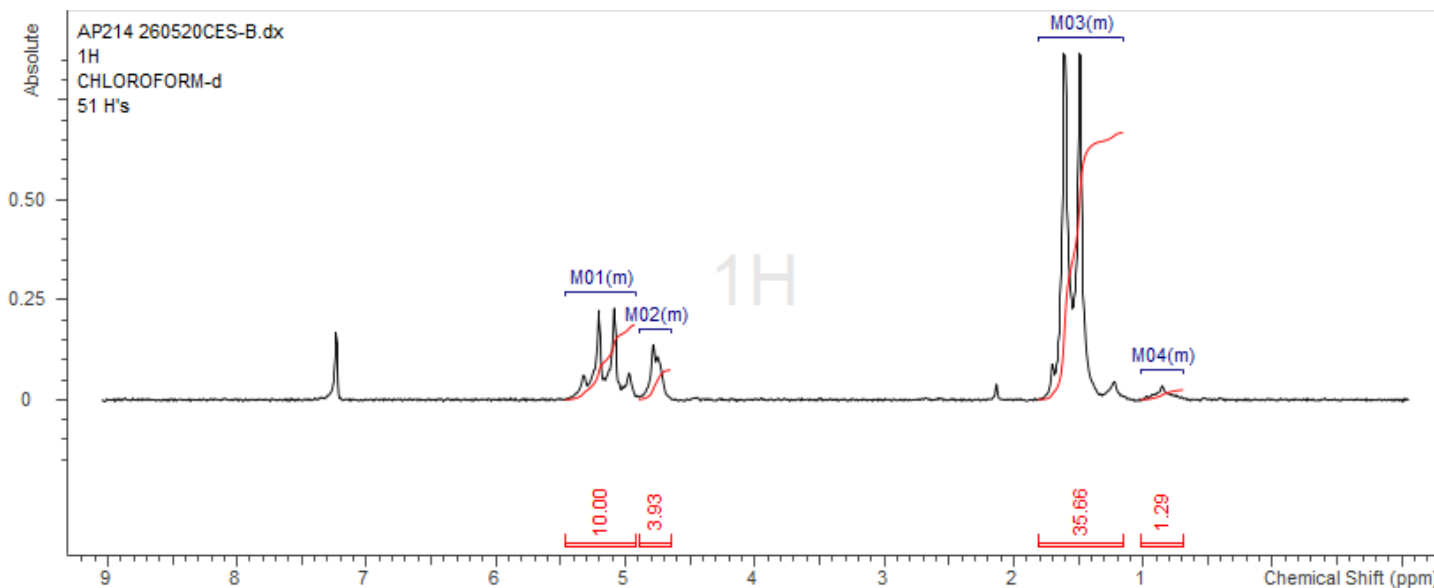
No. AP214

Certificate of Analysis



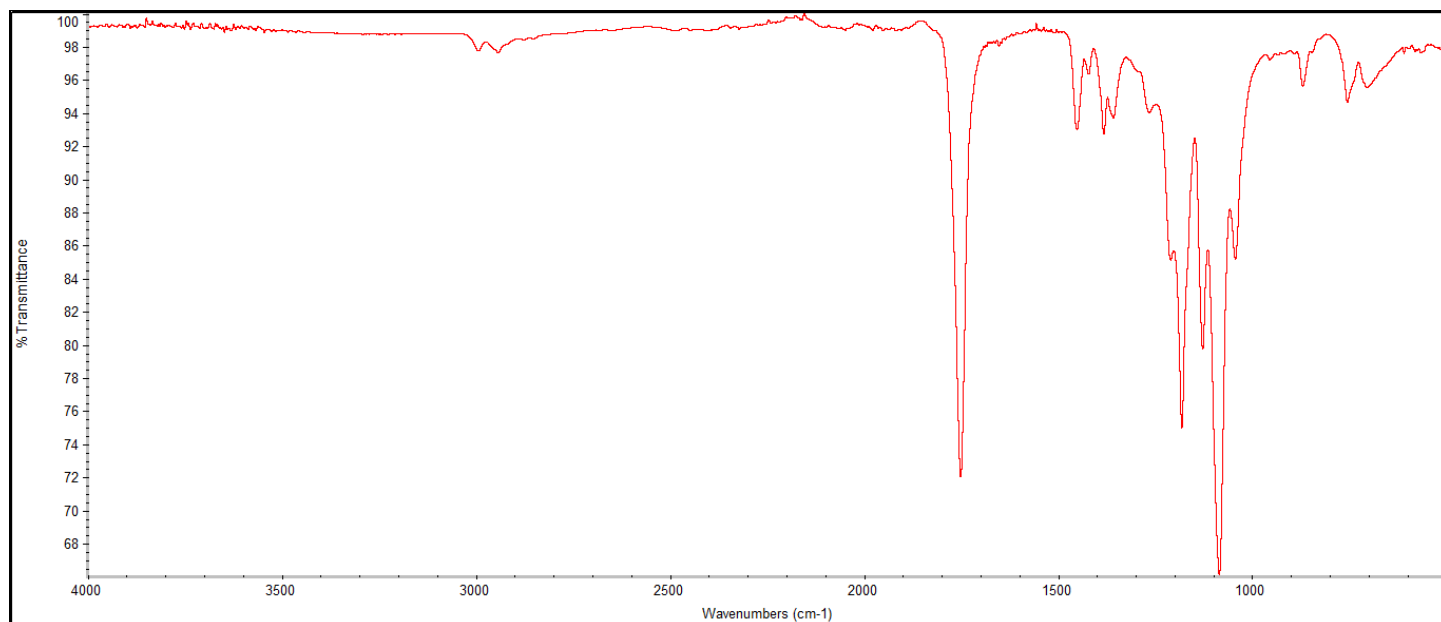
Product Name: Poly(lactide-co-glycolide) copolymers acid endcap (85:15 LA:GA, Mn: 65,000-75,000 Da) (Lot#: 260520CES-B)

H-NMR



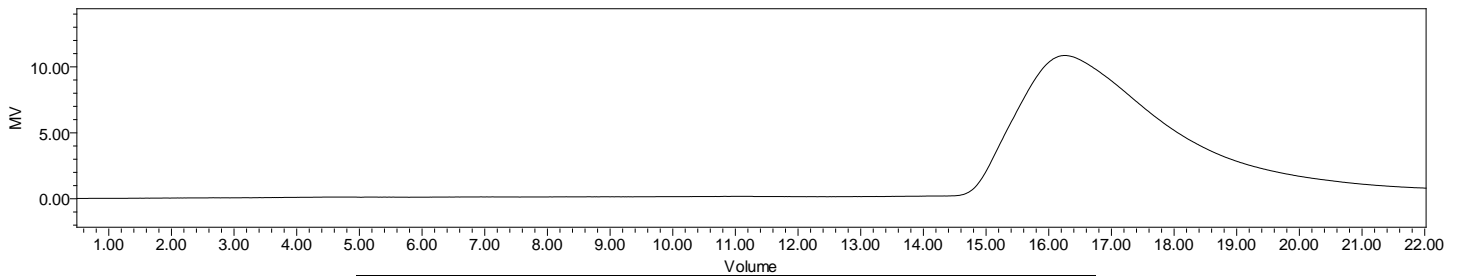
H-NMR Spectrum of copolymers in CDCl₃ (NMReady-60e, Nanalysis 60 MHz) NMR of PLGA copolymer: LA-GA =84%-16% molar ratio (LA:GA 86%:14% w:w)

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	72,845	117,145	1.61

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

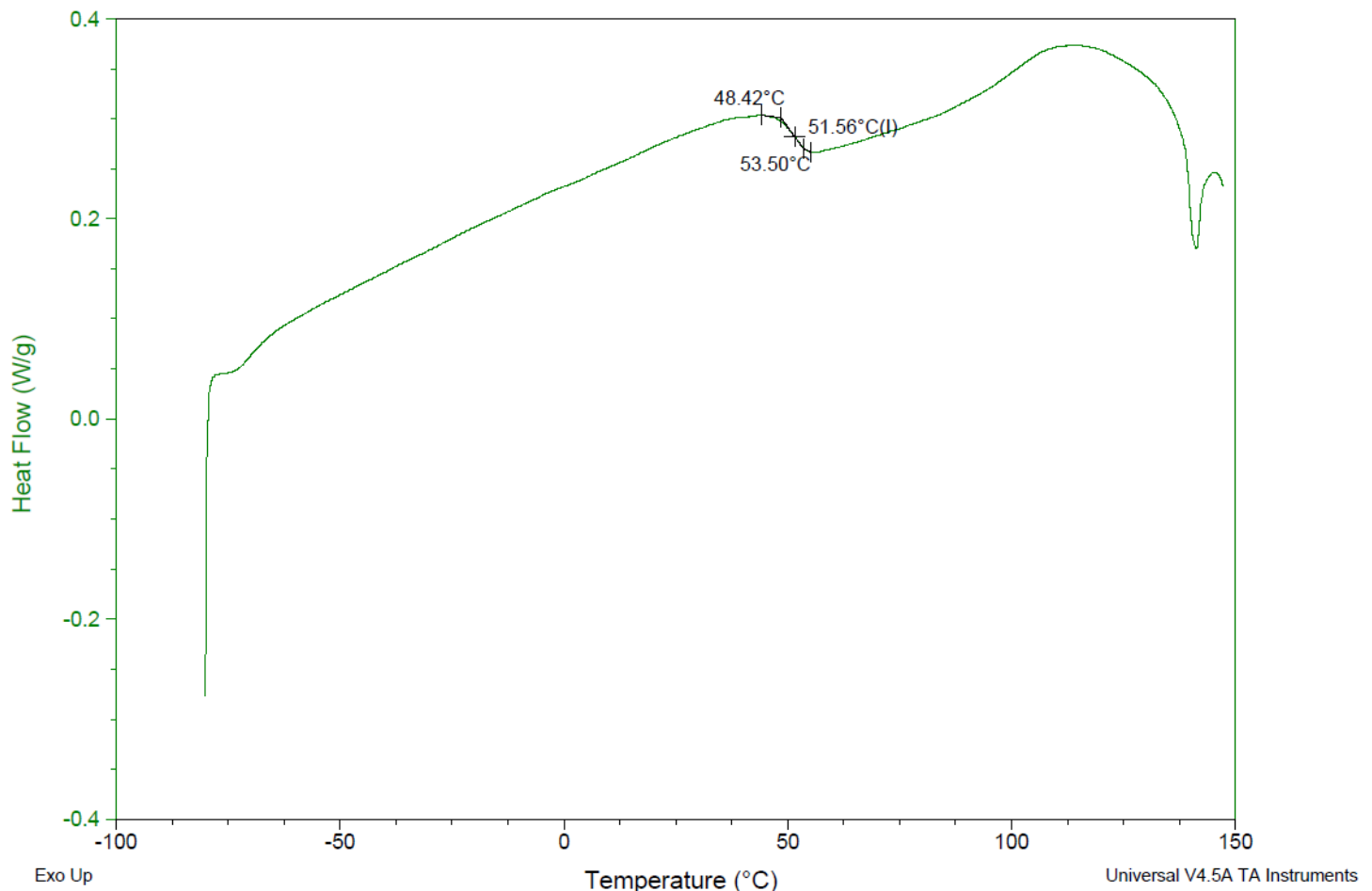
Sample: AP214 260520CES-B
 Size: 2.3000 mg
 Method: Ramp

DSC

File: S:...AP214 260520CES-B

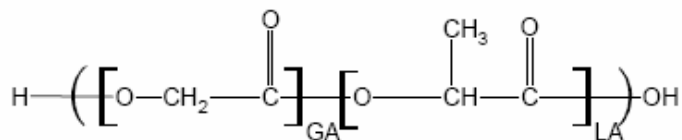
Run Date: 03-Jun-2026 15:53

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 = 51.56 °C

Structure of copolymers



Approved By:
Amie Tyler
Quality Manager