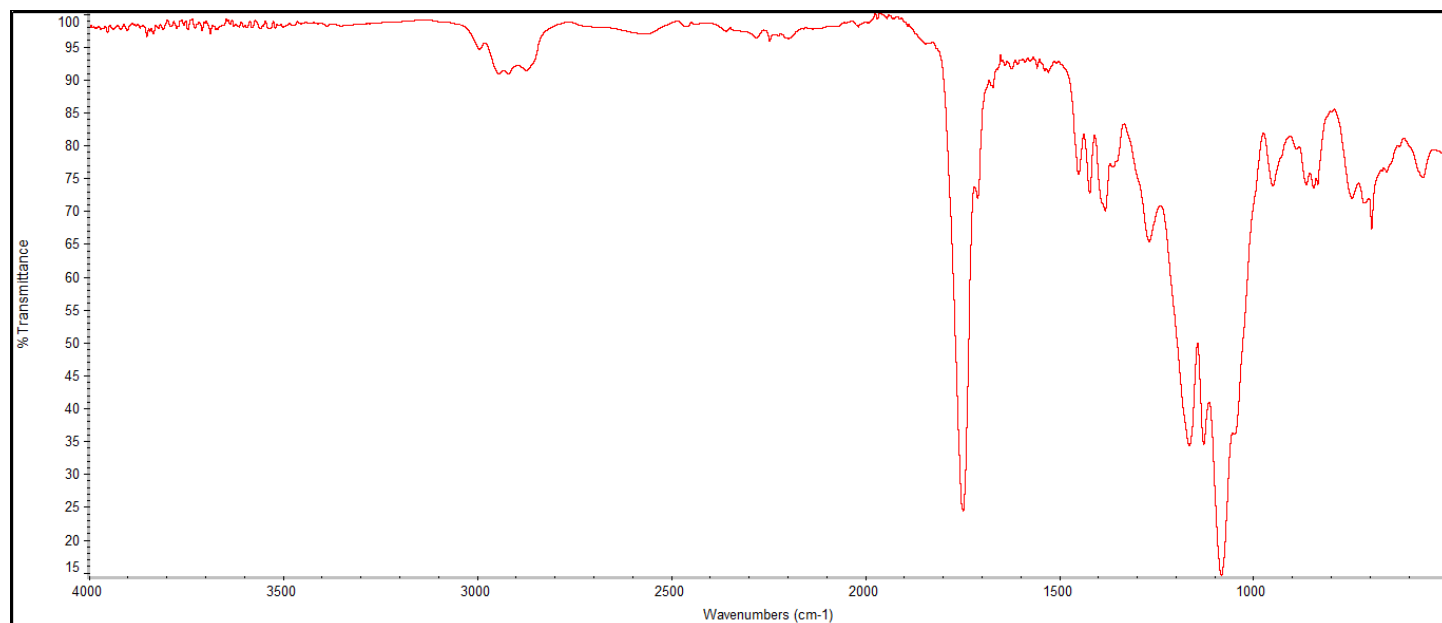


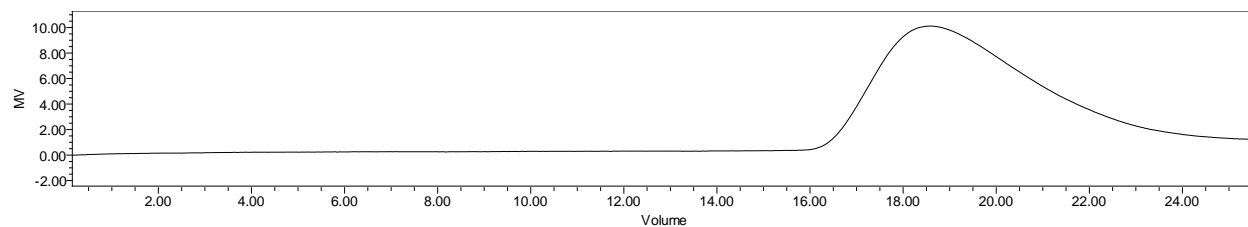


## FTIR



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

## GPC-ES



Polymer	M <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
PLGA-PEG-Mal	19,841	34,869	1.76
PEG-Precursor	4500*		

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. \*from MFG data

# DSC

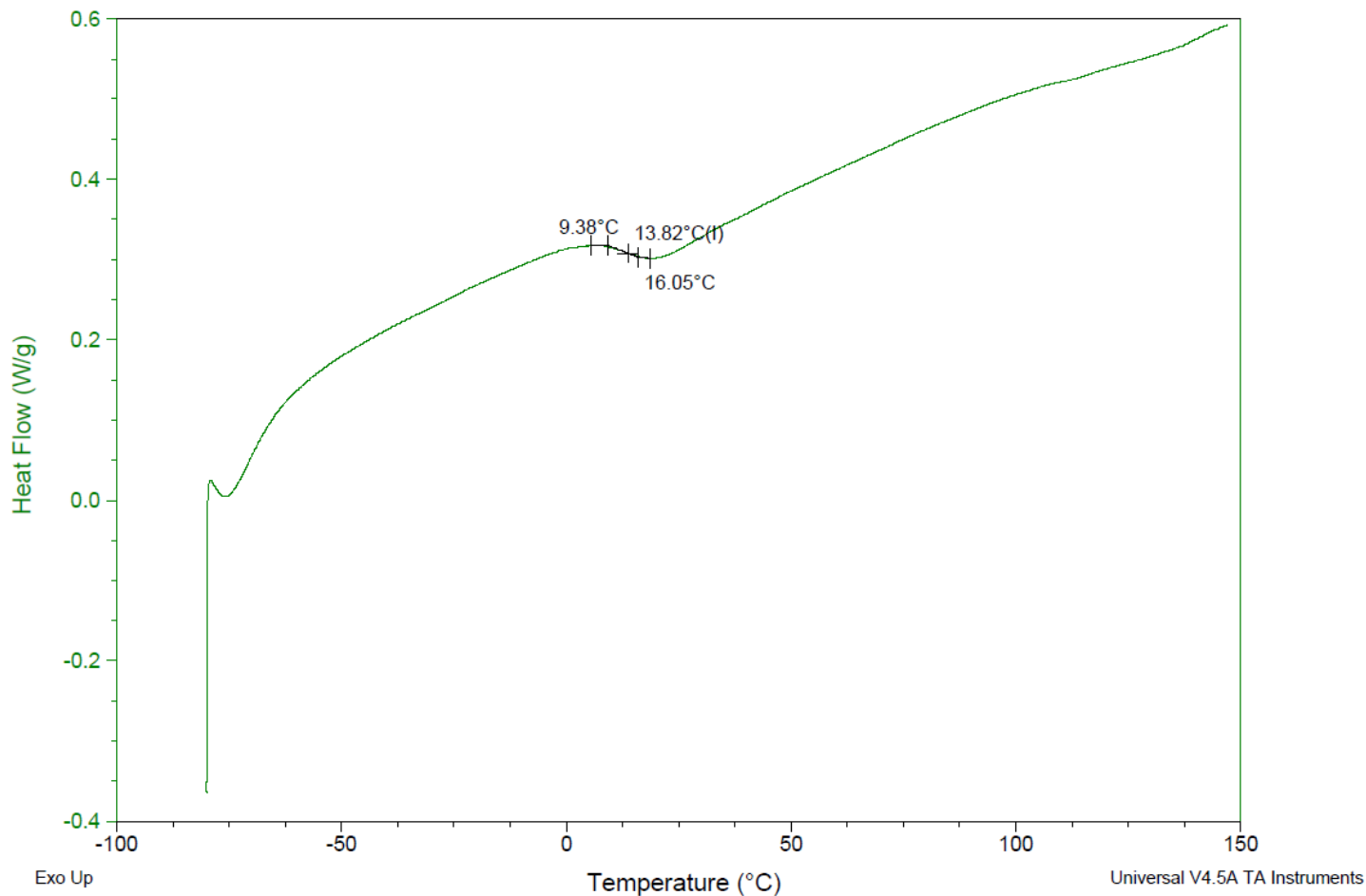
Sample: AI020 260603RAI-B  
Size: 2.9000 mg  
Method: Ramp

DSC

File: C:\...\COA\AI020 260603RAI-B.001

Run Date: 08-Jun-2026 13:21

Instrument: DSC Q2000 V24.11 Build 124

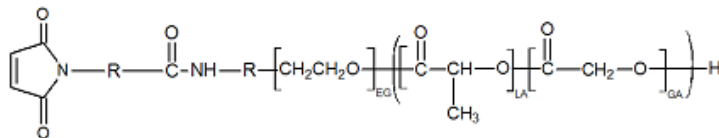


DSC Testing: 1-5 mg sample tested in crimped aluminum pan on a TA Instruments Model Q2000 with procedure equilibraion 100 °C, isothermal 5 minutes, equilibrate -80 °C, data on, ramp 10 °C/min to 150 °C. Tg = 13.82 °C

## IV

**Inherent Viscosity:**  $0.185 \pm 0.008$  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