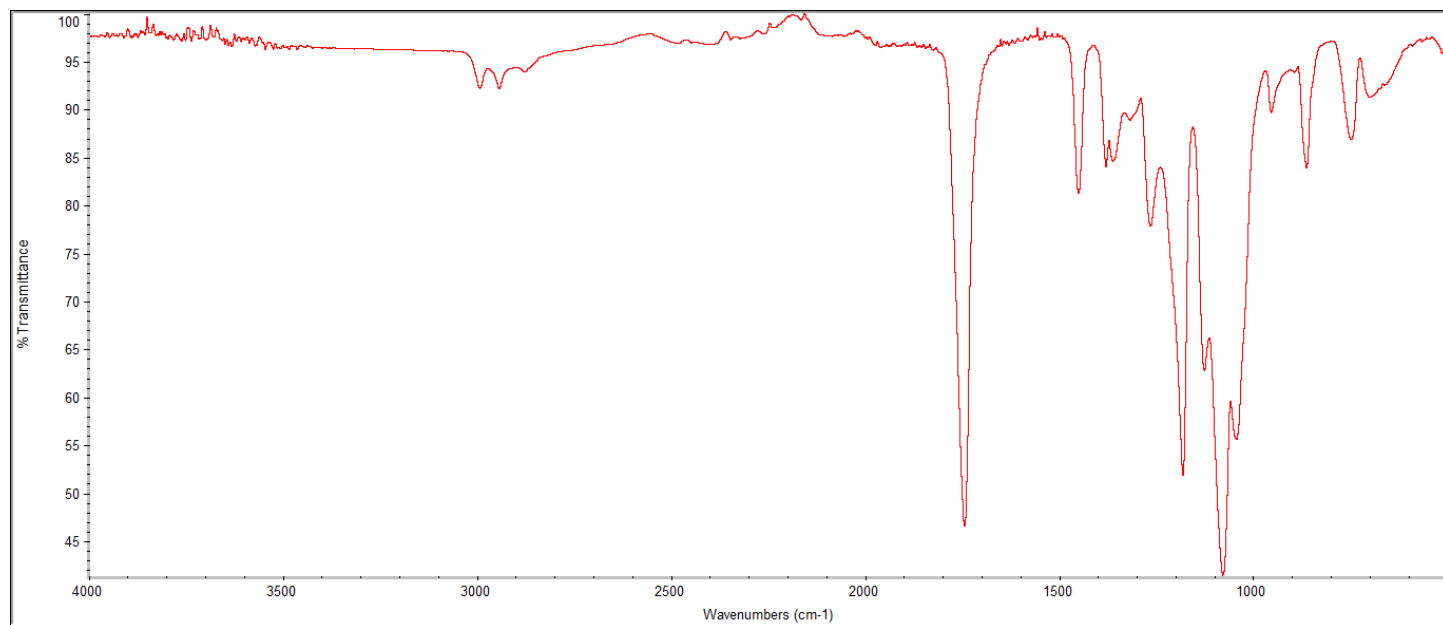




## FTIR



**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
PDLLA-PEG-PDLLA	9694	13,311	1.37
PEG-Precursor*	1013*		

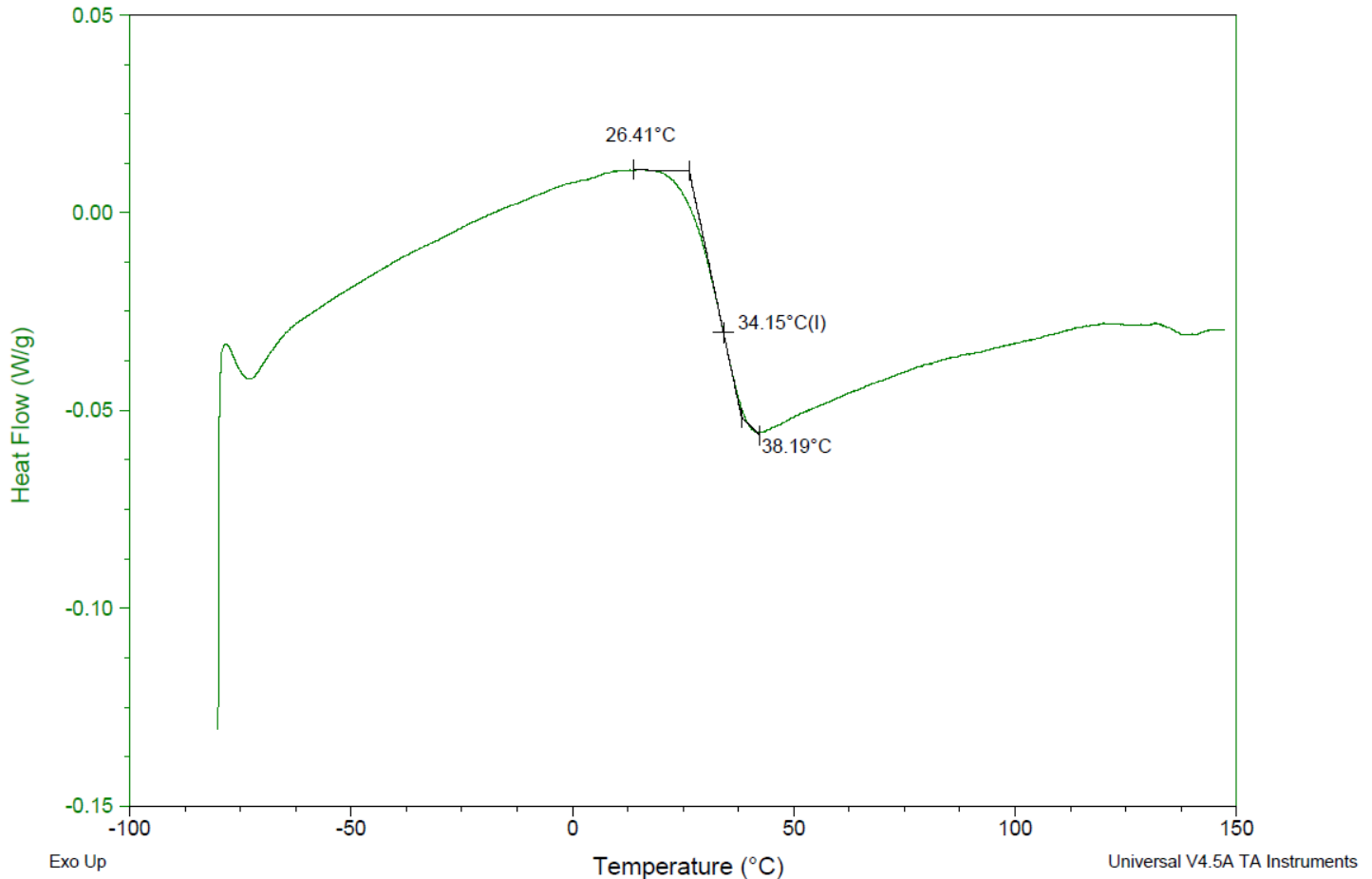
**GPC-ES Analysis Method:** Waters Breeze 2 system with 1 ml/min THF flow across three GPC columns. Detection via refractive index, calibrated against polystyrene standards. \*- from MFG data

# DSC

Sample: AK059 260527TMT-A  
Size: 4.5000 mg  
Method: Ramp

DSC

File: C:\COA\AK059 260527TMT-A.001  
Run Date: 04-Jun-2026 09:44  
Instrument: DSC Q2000 V24.11 Build 124

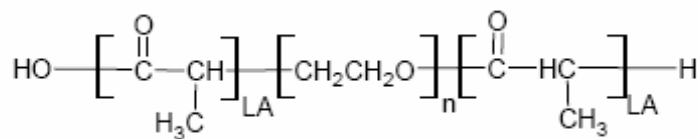


DSC Testing: 1-5 mg sample tested in crimped aluminum pan on a TA Instruments Model Q2000 with procedure equilibraion 100 °C, isothermal 5 minutes, equilibrate -80 °C, data on, ramp 10 °C/min to 150 °C. Tg = 34.15 °C

## IV

**Inherent Viscosity:**  $0.219 \pm 0.019$  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