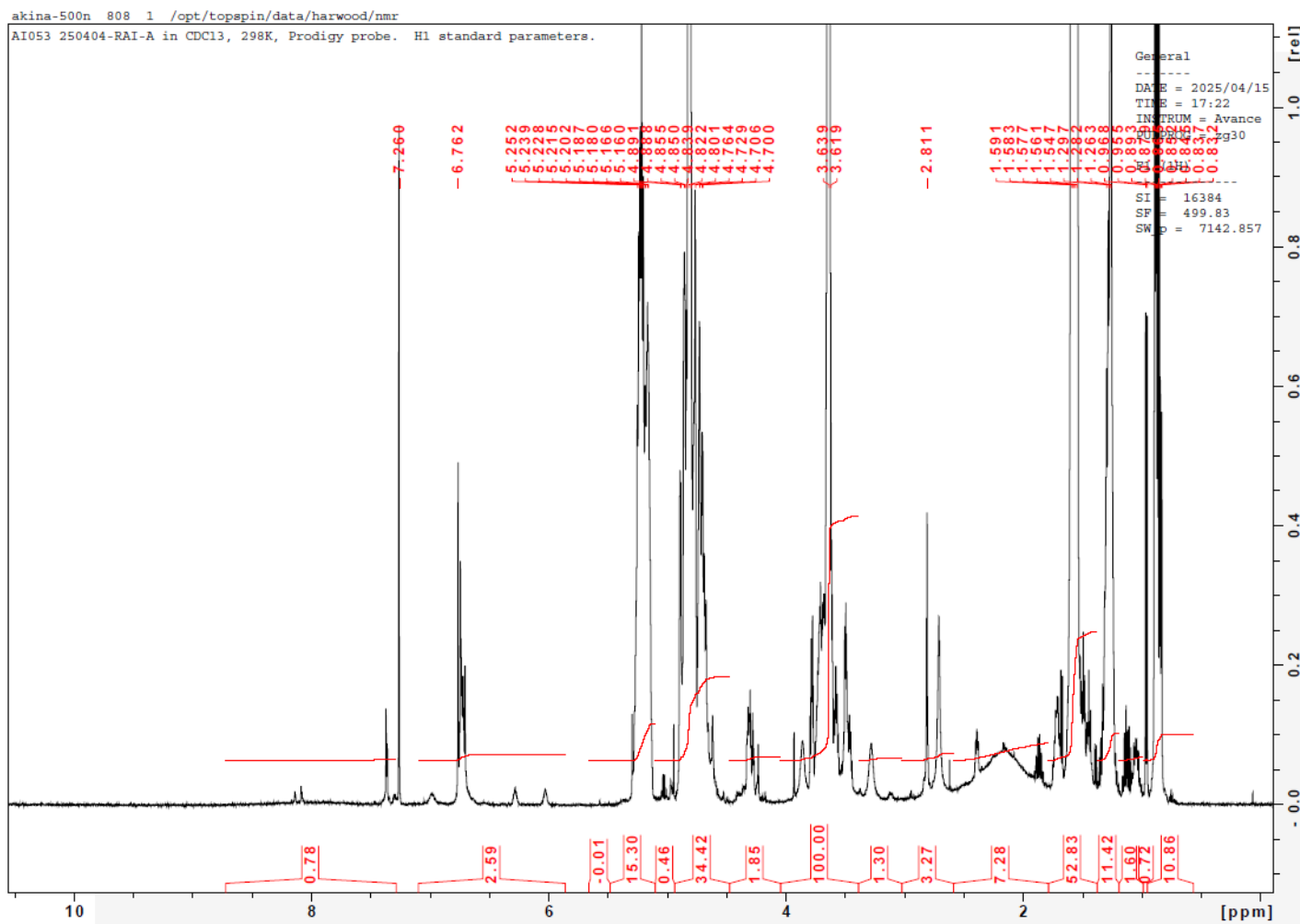


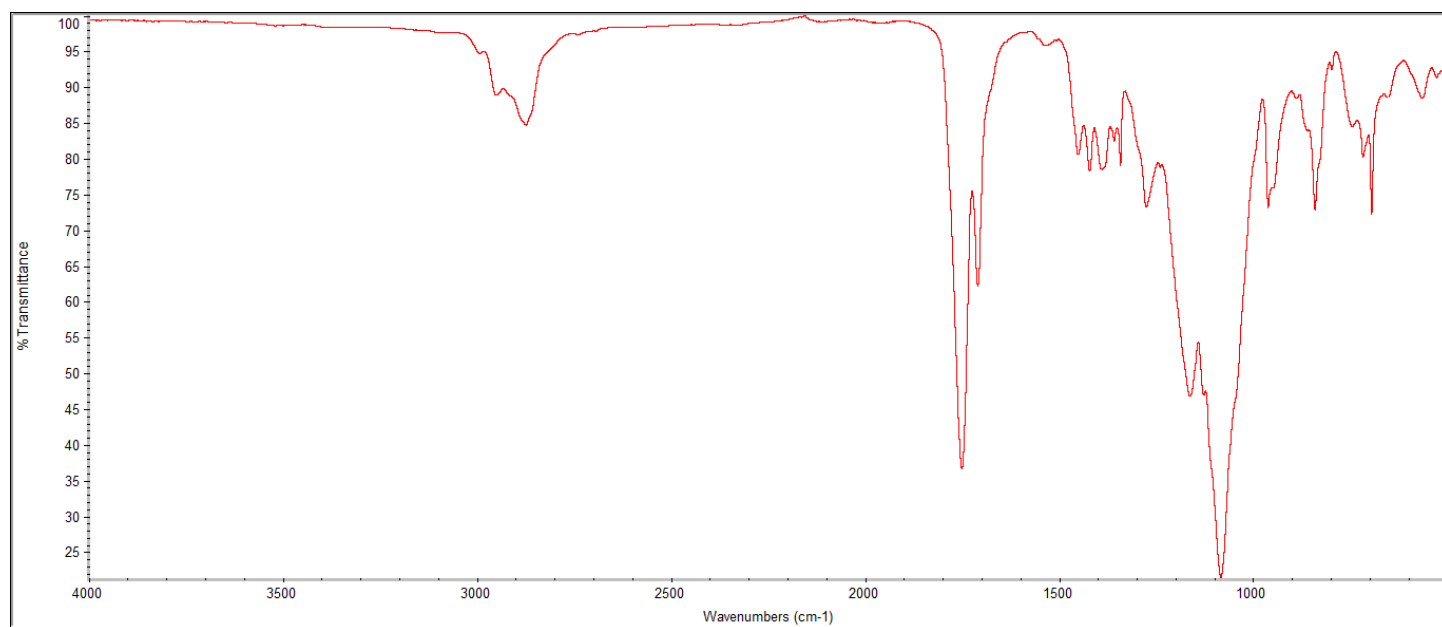
No. AI053 Certificate of Analysis

Product Name: Maleimide-Poly(ethylene glycol)-*b*-Poly(lactide-co-glycolide)
diblock copolymers (50:50 LA:GA, $M_w \sim 5,000:10,000$ Da) (Lot#: 250404RAI-A)

H-NMR

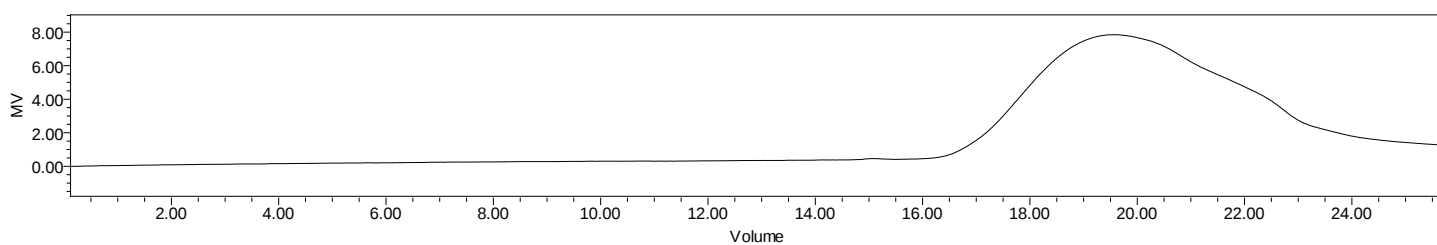


FTIR



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
Mal-PEG-PLGA	19,208	27,618	1.44
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

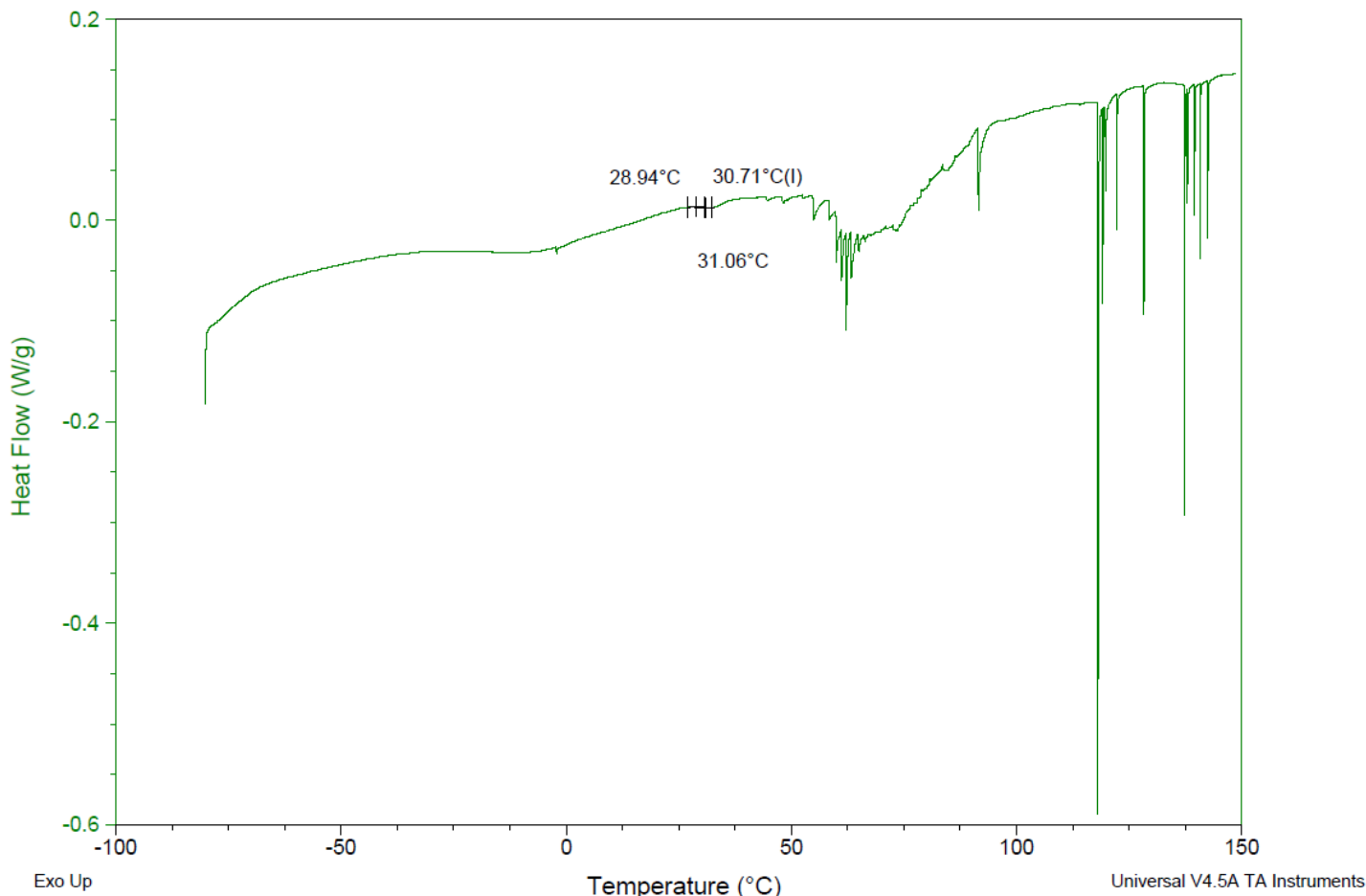
DSC

Sample: AI053 250404RAI-A
Size: 4.0000 mg
Method: Modulate-no-eqb

DSC

File: S:\...AI053 250404RAI-A DSC analyzed.001

Run Date: 29-Apr-2025 09:29
Instrument: DSC Q2000 V24.11 Build 124

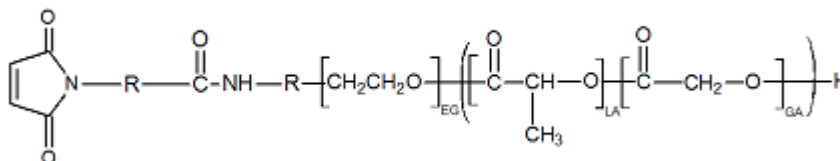


DSC Testing: 1-5 mg sample tested in crimped aluminum pan on a TA Instruments Model Q2000 with procedure equilibraion 100 °C, isothermal 5 minutes, equilibrate -80 °C, data on, ramp 10 °C/min to 150 °C. Tg = 30.71 °C

IV

Inherent Viscosity: 0.186 ± 0.011 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