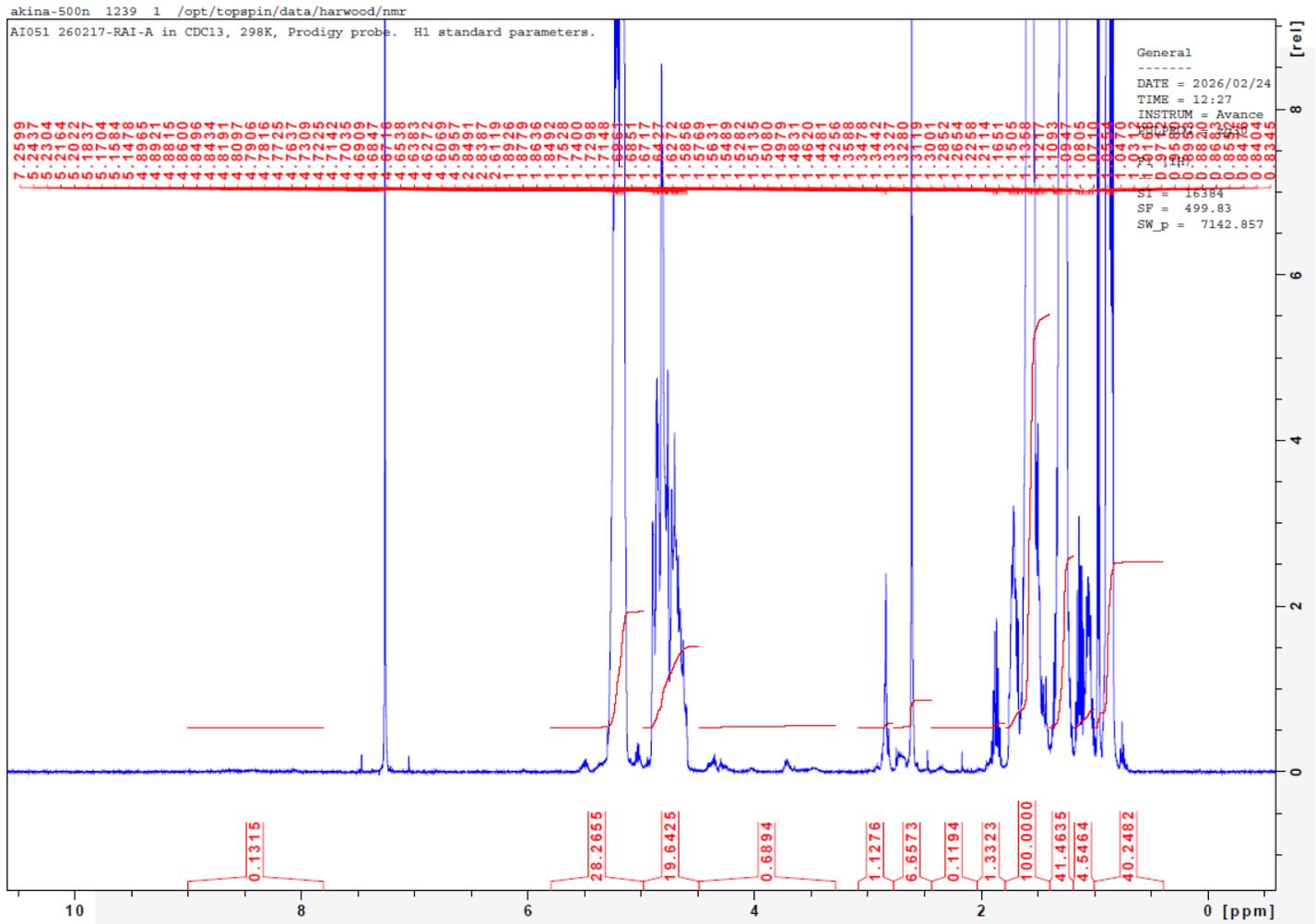


No. AI051 Certificate of Analysis

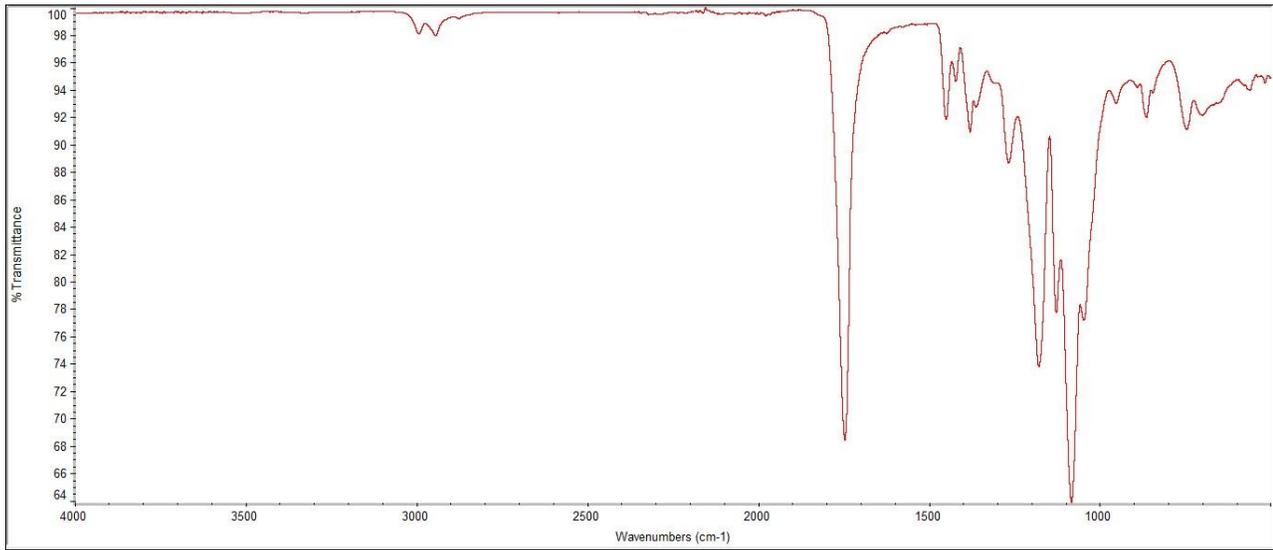
Product Name: Poly(lactide-co-glycolide (75:25)) amine (succinic acid dihydrazide endcap) (Mn: 10,000-15,000Da) (Lot#: 260217RAI-A)

H-NMR



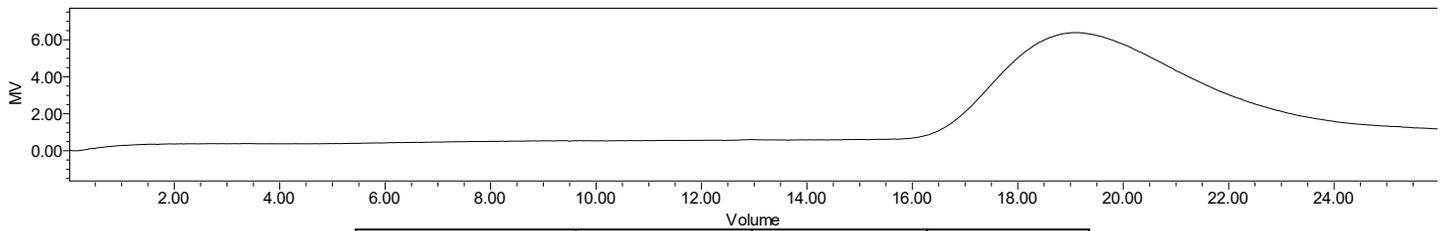
H-NMR Spectrum of copolymers in CDCl₃ (Bruker 500 MHz, PINMRF) NMR of PLGA-NH₂ copolymer: LA-GA =74%-26% molar ratio (LA:GA 78%-22% w-w)

FTIR



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

GPC-ES



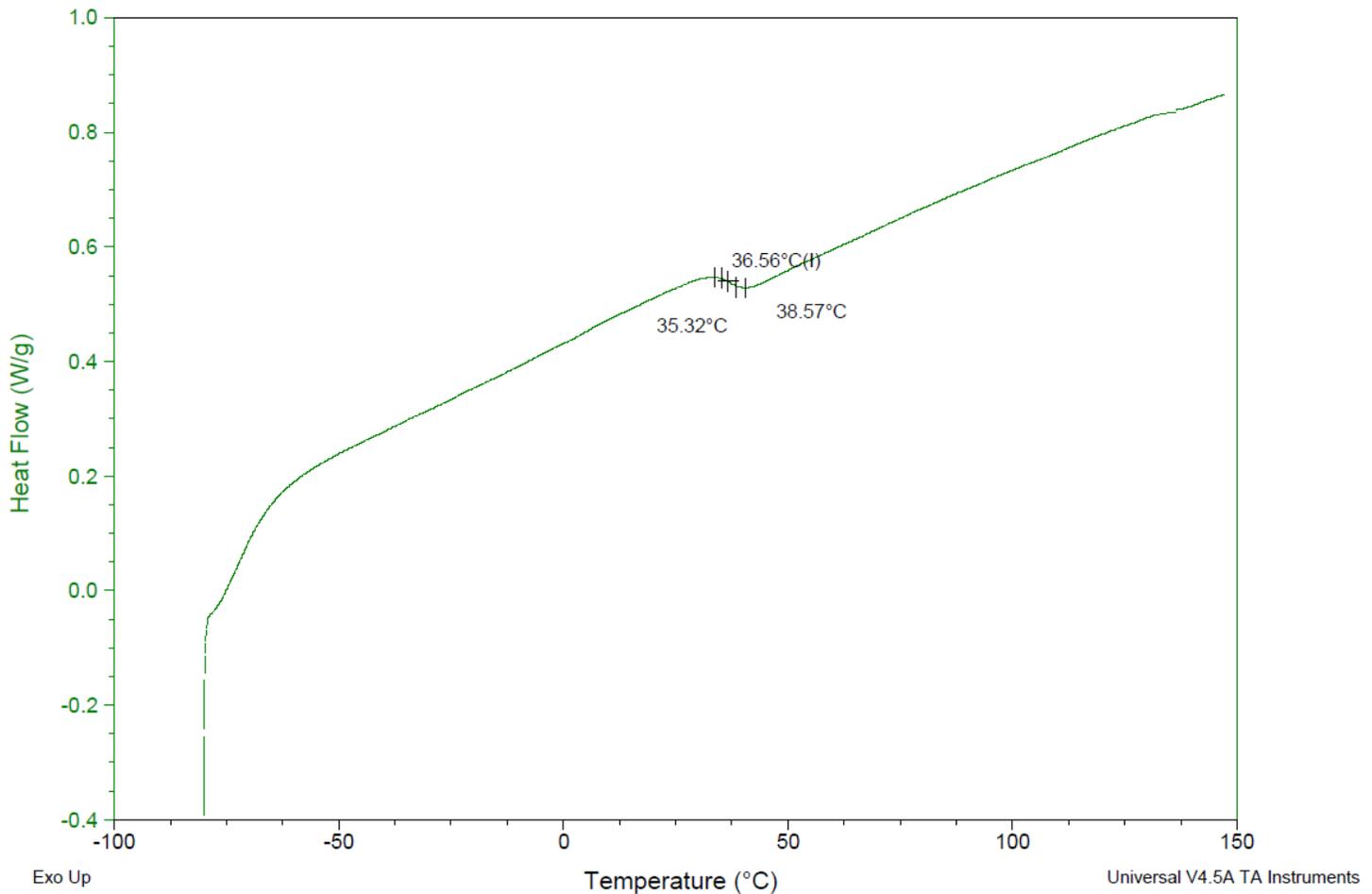
Polymer	M _n (from GPC)	M _w (from GPC)	PDI
PLGA-NH ₂	14,796	30,117	2.04

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.

Sample: AI051 260217RAI-A
Size: 3.0000 mg
Method: Ramp

DSC

File: C:\...\COA\AI051 260217RAI-A.001
Run Date: 03-Mar-2026 09:05
Instrument: DSC Q2000 V24.11 Build 124



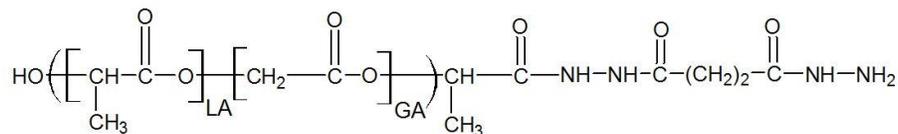
DSC

DSC Testing: 1-5 mg sample tested in crimped aluminum pan on a TA Instruments Model Q2000 with procedure equilibration 100 °C, isothermal 5 minutes, equilibrate -80 °C, data on, ramp 10 °C/min to 150 °C. T_g = 36.56 °C

IV

Inherent Viscosity: 0.143 ± 0.010 dL/g (calculated from kinematic viscosity at 2% w/v Acetone on Rheosense microVISC, n=3) at 25°C.

Structure of copolymers



Approved By:
John Garner
General Manager