

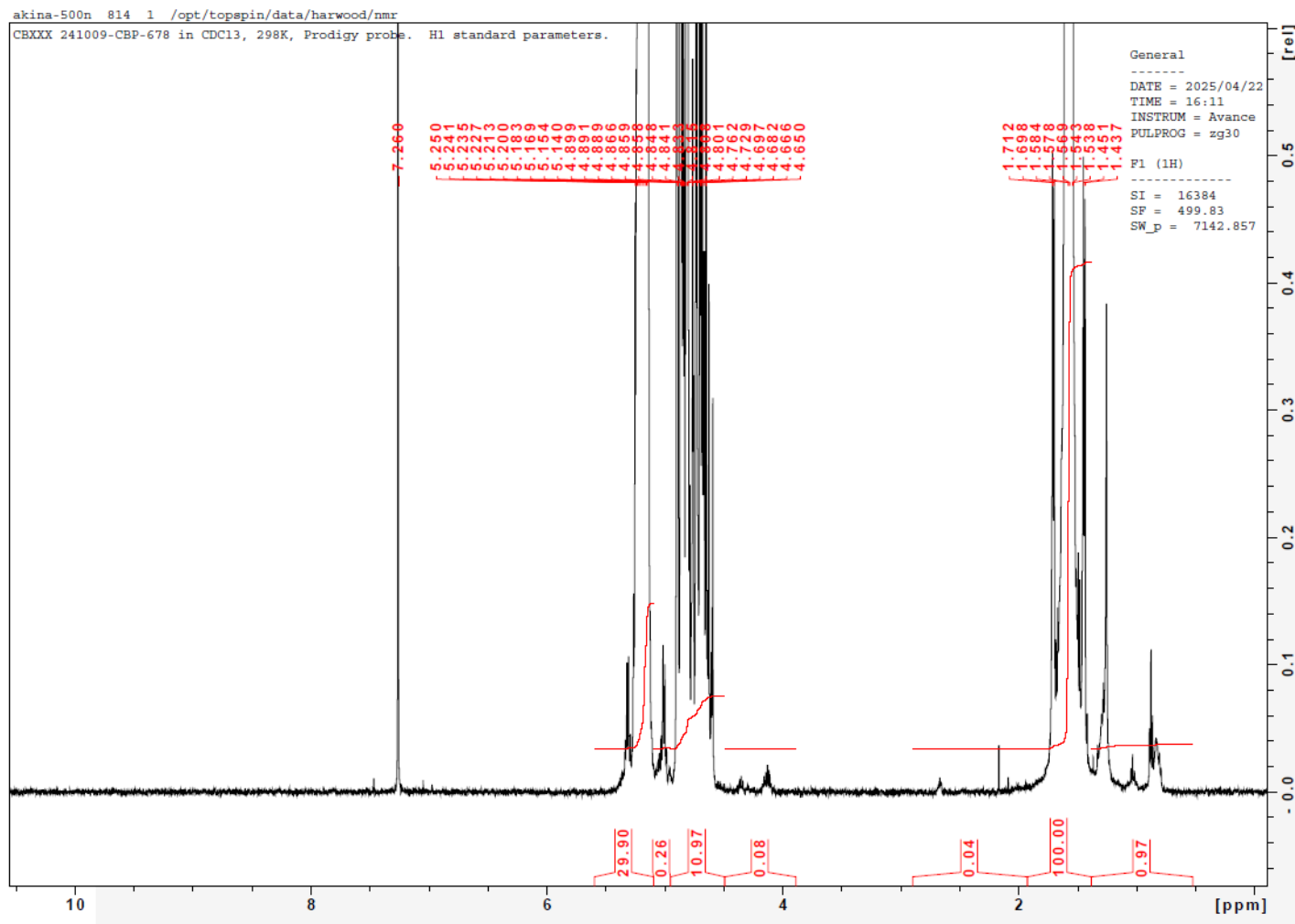
No. CB013

Certificate of Analysis



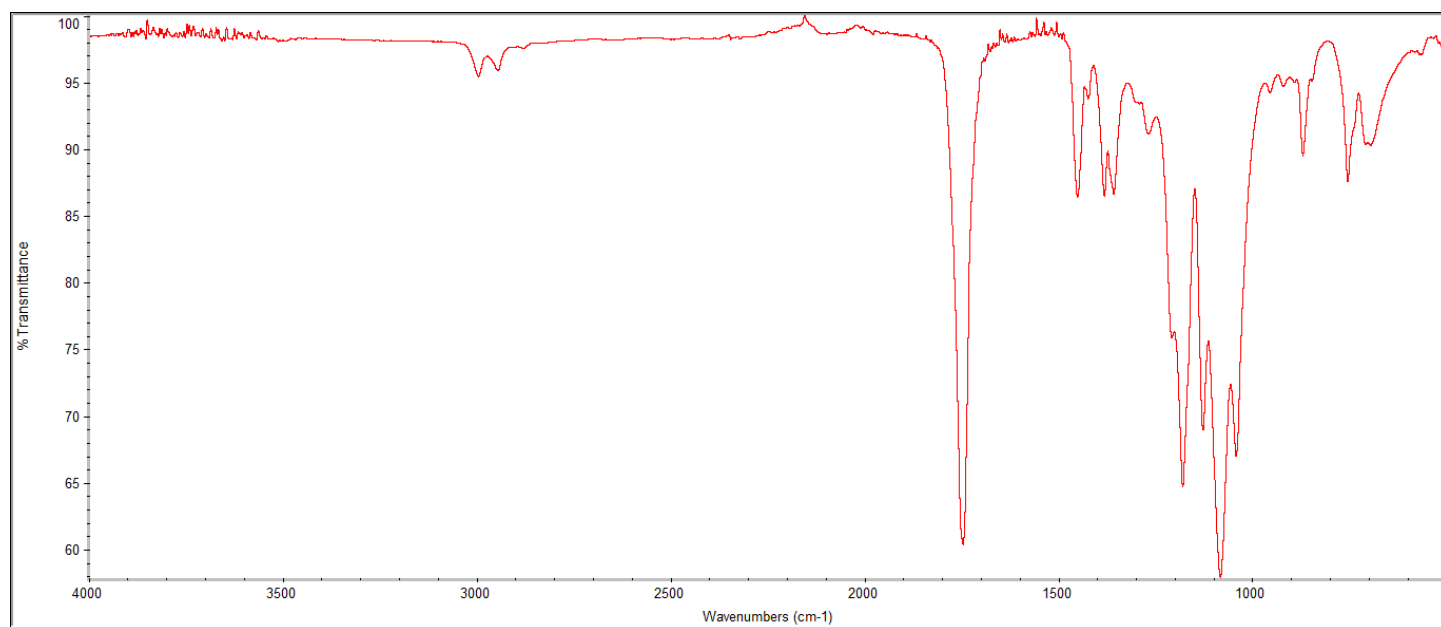
Product Name: Poly(L-Lactide-co-glycolide) I.V. 2.0 – 2.5 dL/g, LG 85:15, ester endcap
(PLG 8523) (Lot#: 241009CBP-678)

H-NMR



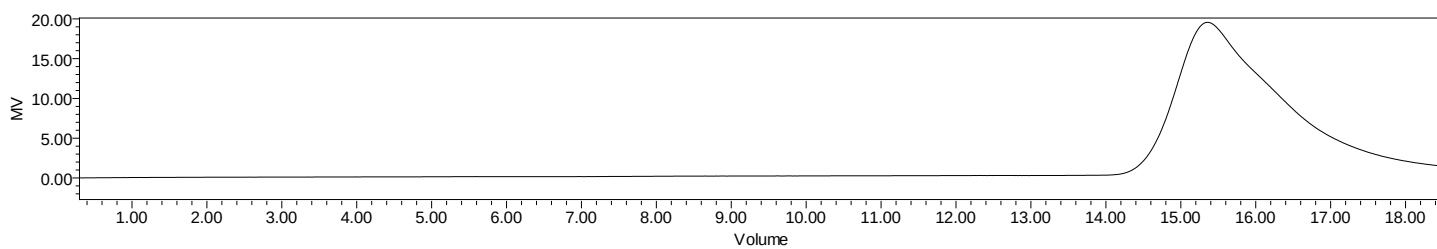
H-NMR Spectrum of copolymers in CDCl₃ (NMReady-60e, Nanalysis 60 MHz) NMR of PLGA copolymer: LA-GA =84%-16% molar ratio (LA:GA 87%:13% w:w)

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
PLLGA	168,050	244,708	1.46

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

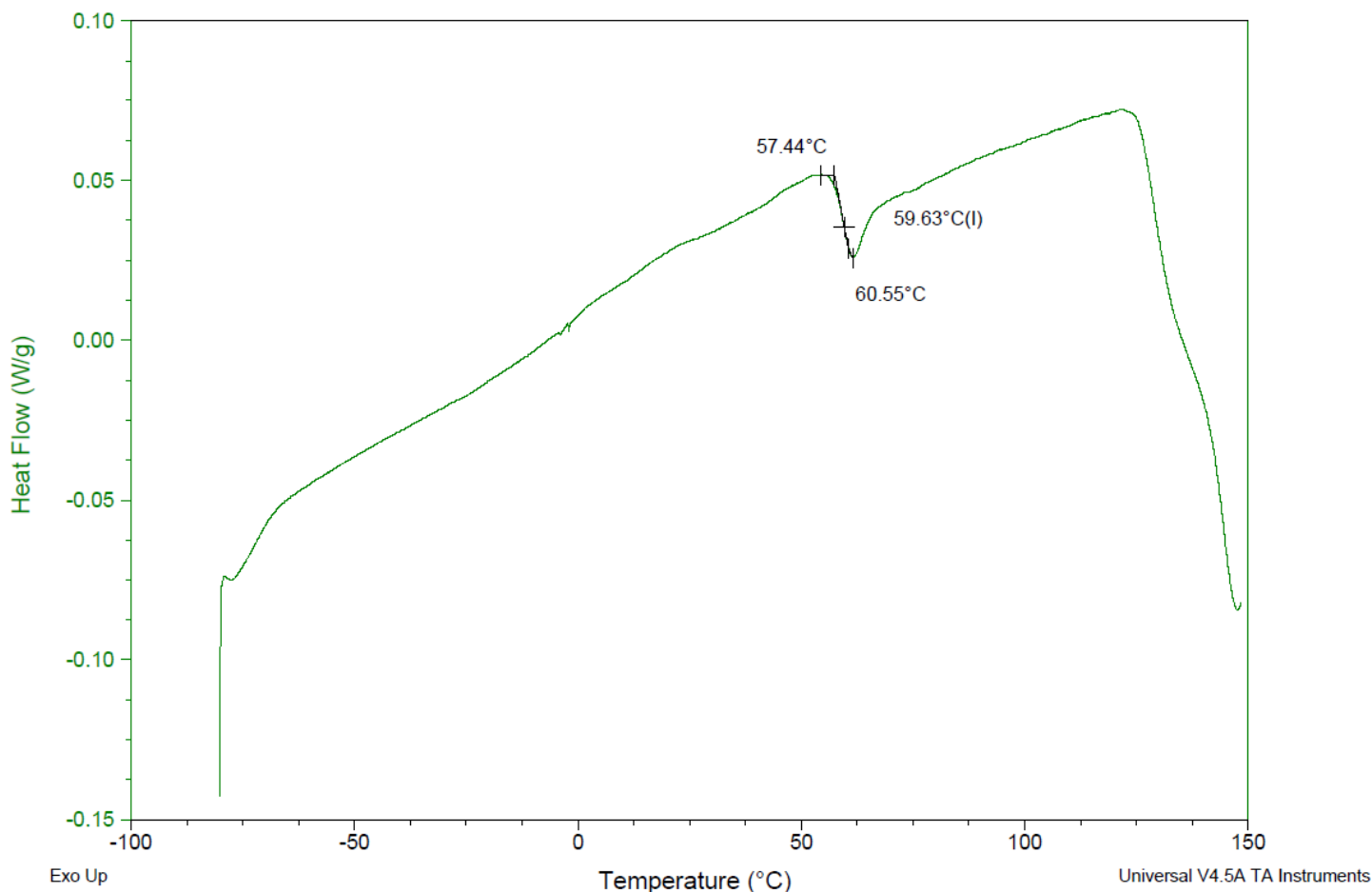
Sample: CB013 241009CBP-678
Size: 4.4000 mg
Method: Modulate-no-eqb

DSC

File: C:\...\COA\CB013 241009CBP-678.001

Run Date: 29-Apr-2025 10:51

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 = 59.63 °C

Manufacturer Provided Data



Assay	Specification	Result
Tin content	<50 ppm	7 ppm
Water content	<0.50%	<0.04%
Residual monomer, L Lactide	<0.1%	<0.04%
Residual monomer, Glycolide	<0.1%	<0.04%
Inherent Viscosity ²	2.00-2.50 dL/g	2.34 dL/g
Residual solvent	<0.01%	0.003
Elemental Impurities	<10 ppm	<10 ppm

1 – Measured by titration

2 – Measured at 25 °C in Chlorofom, c=1g/dL

Approved By:
Amie Tyler
Quality Manager