

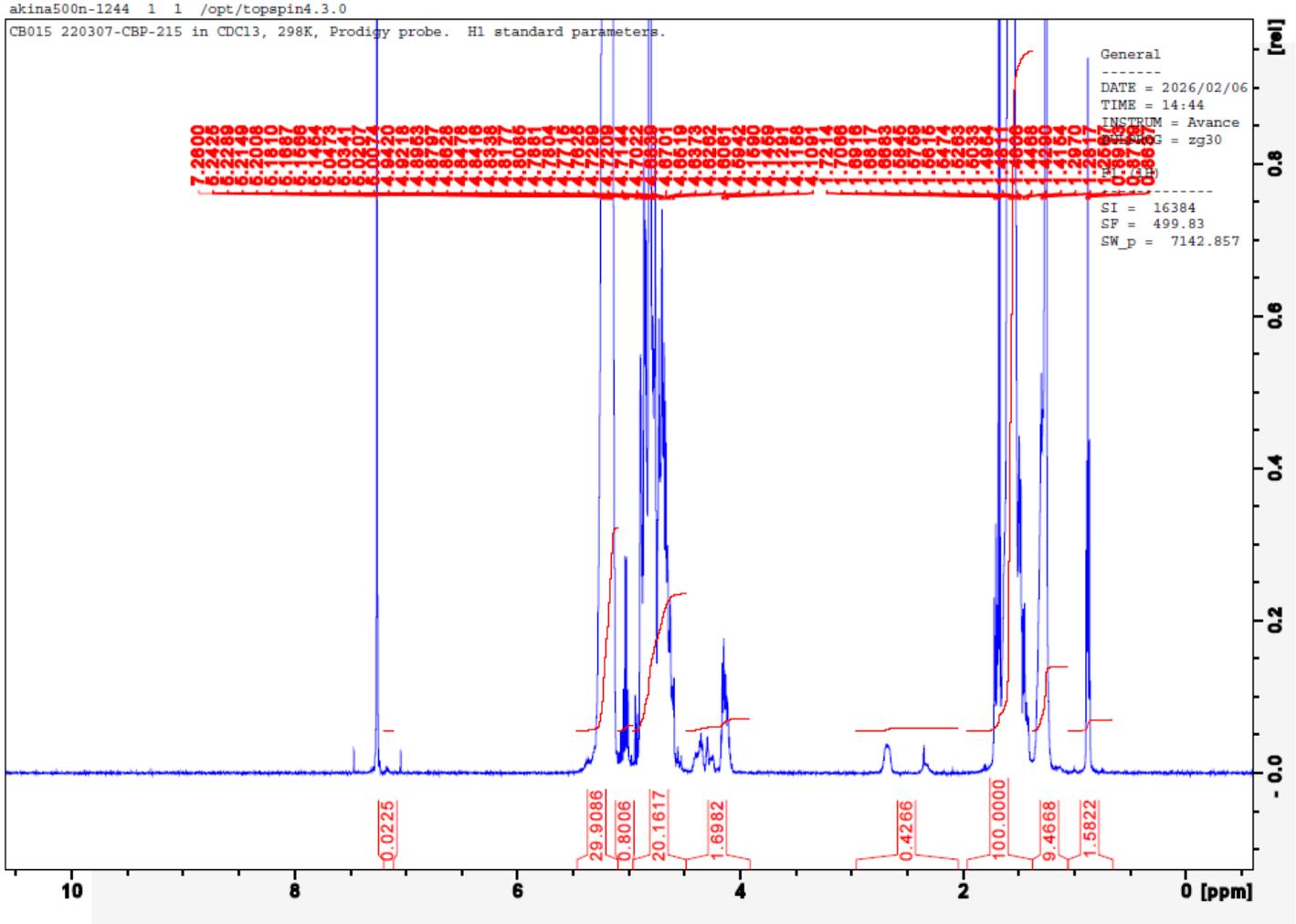
No. CB015

Certificate of Analysis



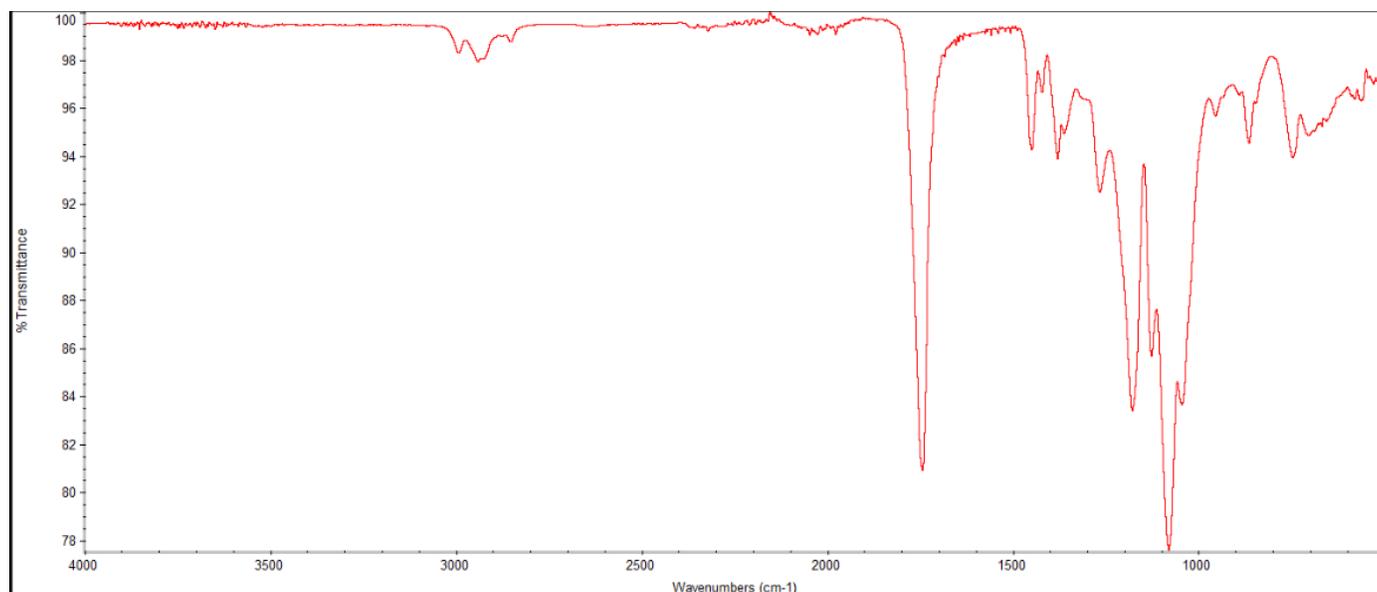
Product Name: Poly(Lactide-co-glycolide) I.V. 0.16 - 0.24 dL/g, LG 75:25, ester endcap (PDLG 7502) (Lot#: 220307CBP-215)

H-NMR



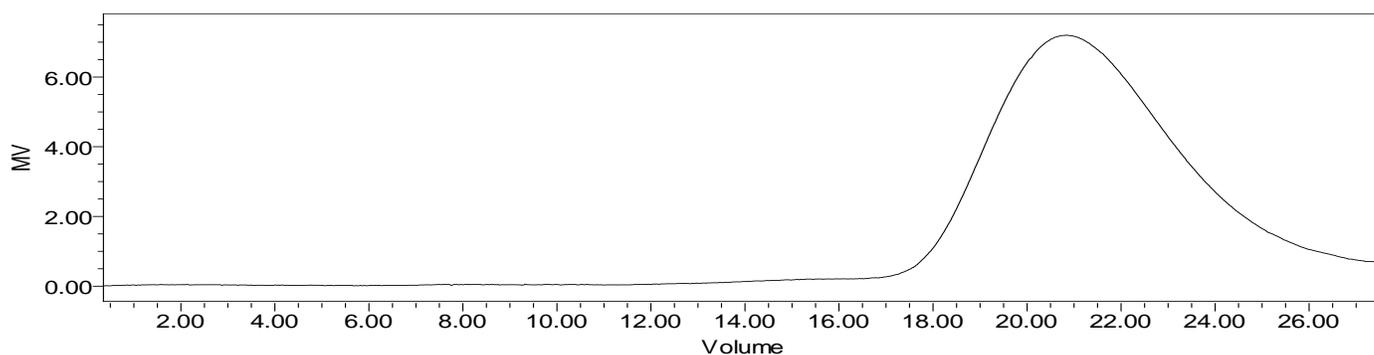
H-NMR Spectrum of copolymers in CDCl₃ (NMReady-60e, Nanalysis 60 MHz) NMR of PLGA copolymer: LA-GA =75%-25% molar ratio (LA:GA 79%:21% w:w)

FTIR



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

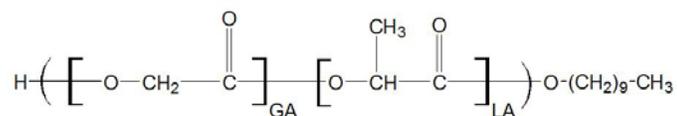
GPC-ES



Polymer	M _n (from GPC)	M _w (from GPC)	PDI
PLGA	12,782	17,864	1.40

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.

Structure of Polymer



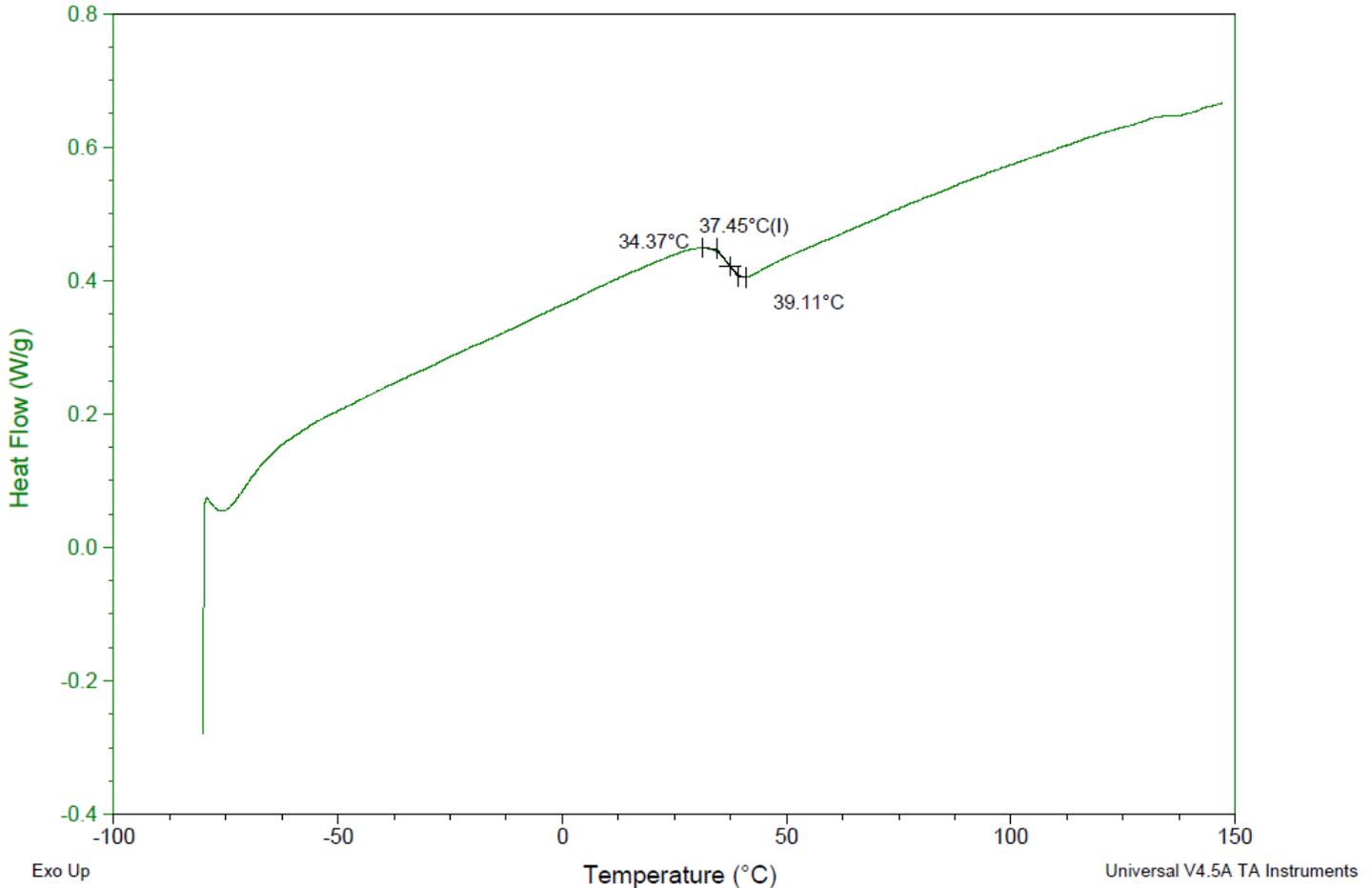
DSC

Sample: CB015 220307CBP-215
 Size: 3.5000 mg
 Method: Ramp

DSC

File: C:\COA\CB015 220307CBP-215.001

Run Date: 10-Feb-2026 12:17
 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 = 37.45 °C

Manufacturer Provided Data



Assay	Specification	Result
Tin content	<50 ppm	14 ppm
Water content	<0.50%	0.04%
Residual monomer, DL Lactide	<2.0%	0.9%
Residual monomer, Glycolide	<2.0%	0.0%
Inherent Viscosity ²	0.16-0.24 dL/g	0.21 dL/g
Residual solvent	<890 ppm	201 ppm

1 – Measured by titration
 2 – Measured at 25 °C in Chloroform, c= 1 g/dL

Approved By:
Amie Tyler
 Quality Manager