

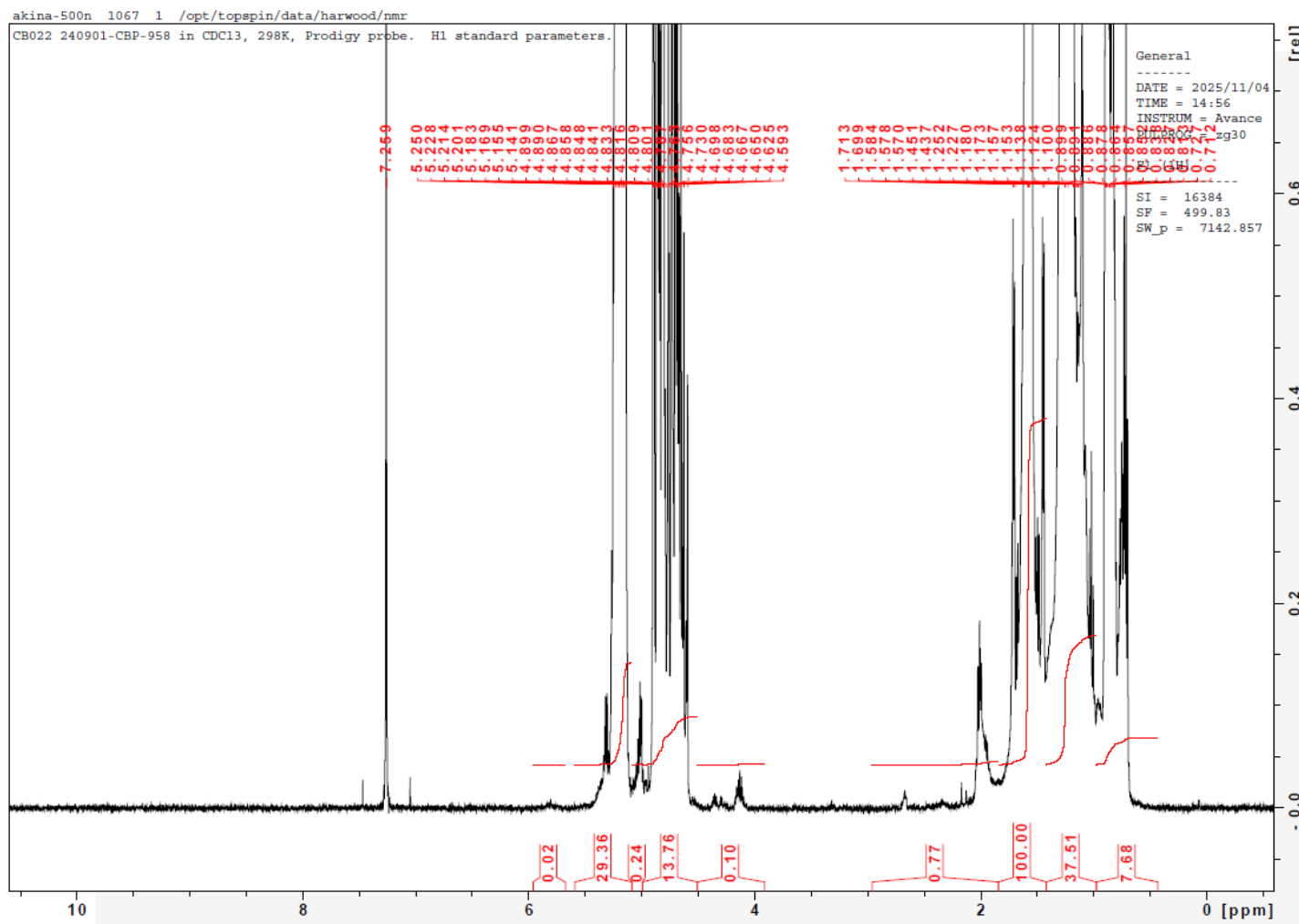
No. CB022

Certificate of Analysis



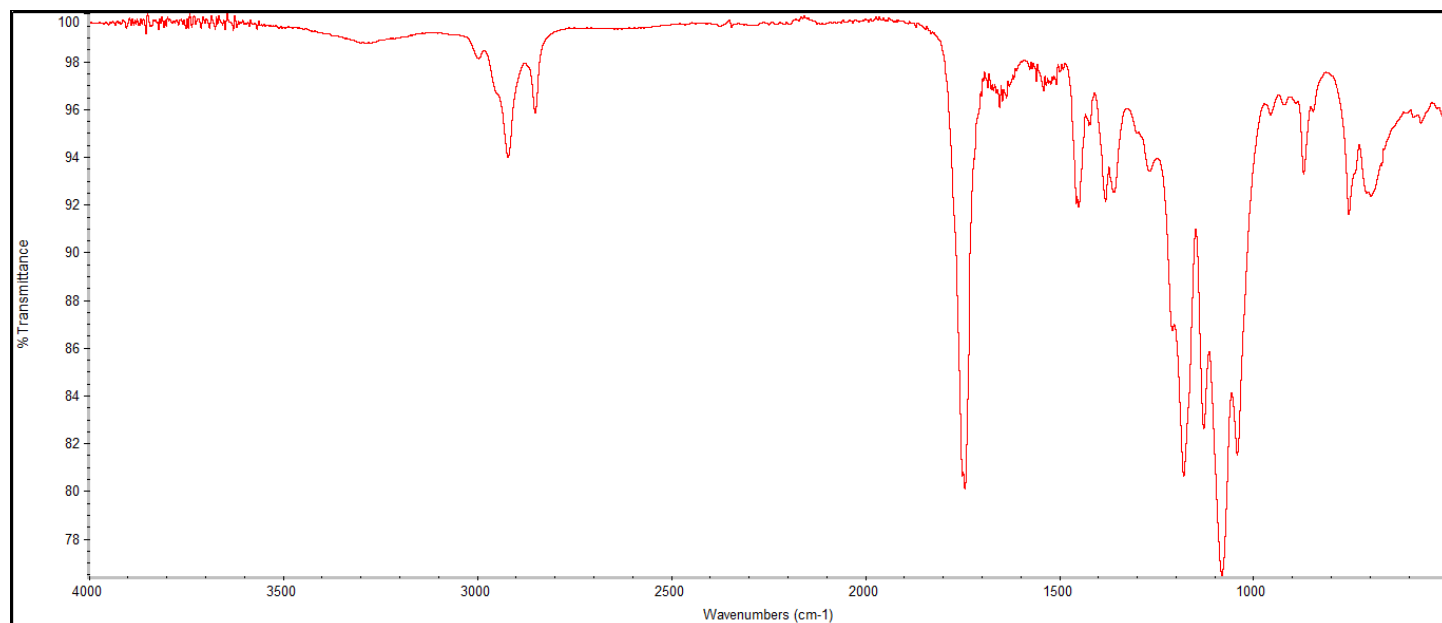
Product Name: Poly(L-Lactide-co-glycolide) I.V. 1.50 – 2.00 dl/g, LG 82:18, ester endcap (PLG 8218) (Lot # 240901CPB-958)

H-NMR



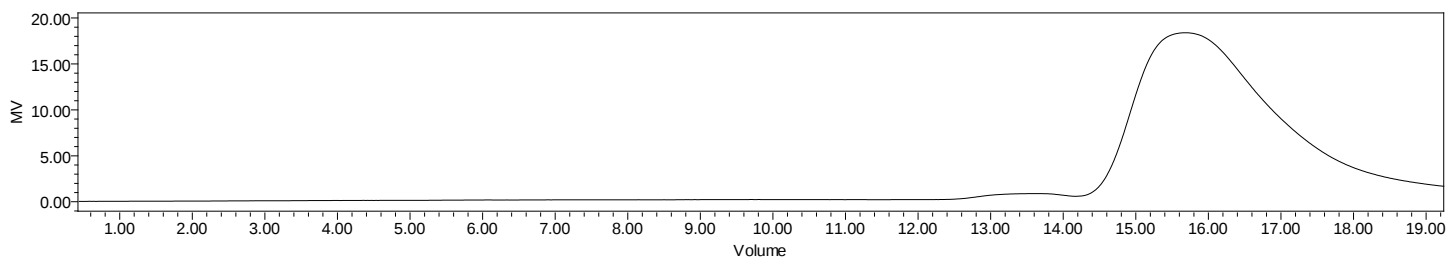
H-NMR Spectrum of copolymers in CDCl₃ (NMReady-60e, Nanalysis 60 MHz) NMR of P(L)LGA copolymer: LA-GA =81%-19% molar ratio (LA:GA 84%:16% w:w)

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
P(L)LGA	130,027	193,210	1.49

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

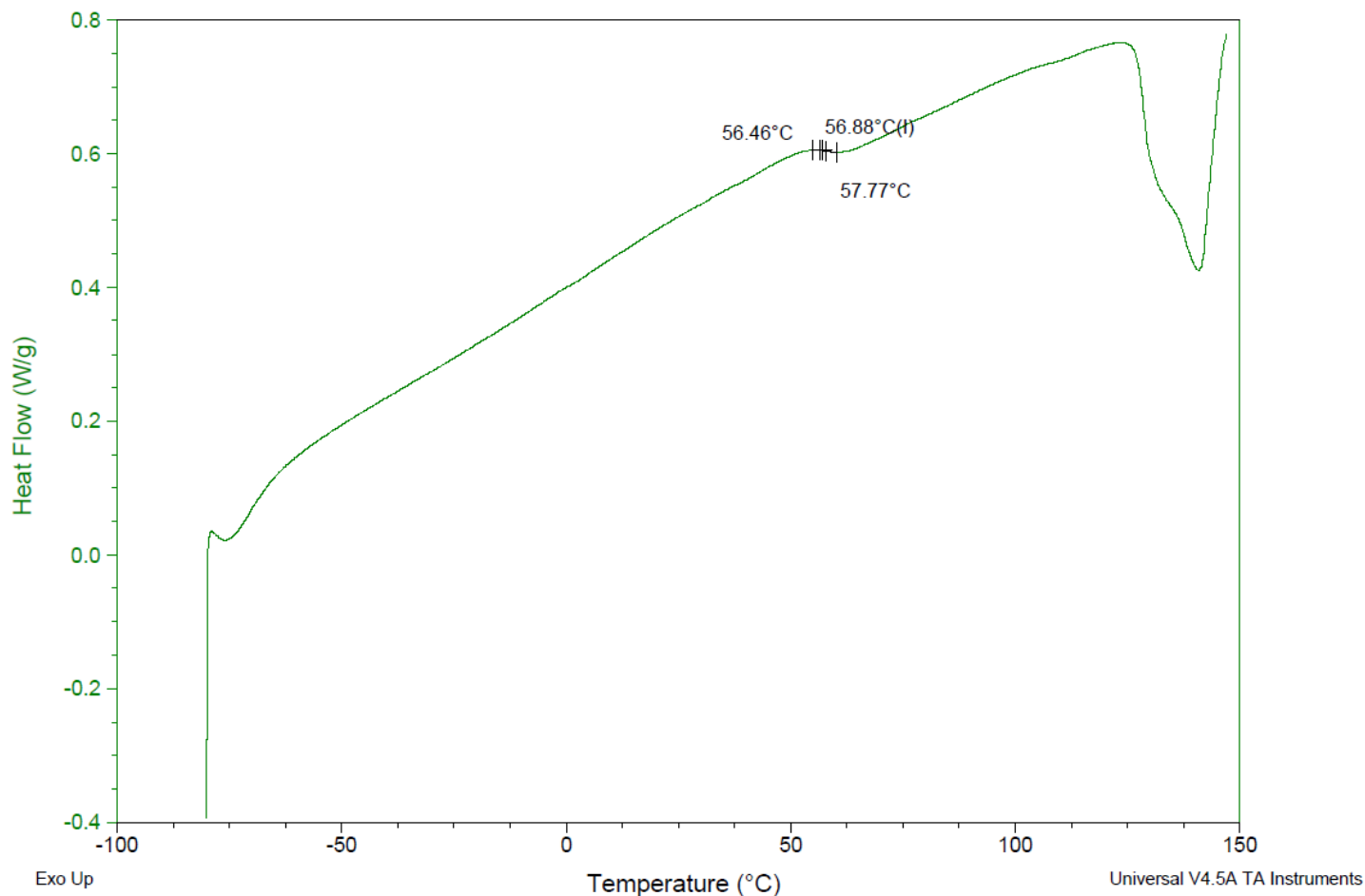
Sample: CB022 240901CBP-958
Size: 2.5000 mg
Method: Ramp

DSC

File: C:\...\COA\CB022 240901CBP-958.001

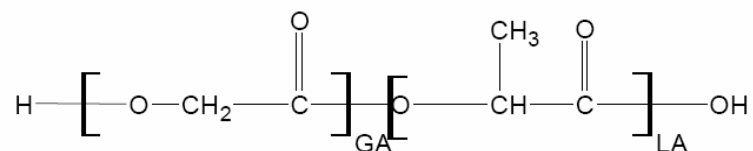
Run Date: 07-Nov-2025 09:19

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 = 56.88 °C

Structure of copolymers



Manufacturer Provided Data

Assay	Specification	Result
Melting onset, DSC, 10 °C/min	125.00 °C	128.1 °C
Melting peak, DSC, 10 °C/min	150.00 °C	144.4 °C
Tin content	<50ppm	7 ppm
Water content ¹	<0.50%	0.06%
Residual monomer, L Lactide	<0.1%	0.06%
Residual monomer, Glycolide	<0.1%	<0.04%
Inherent Viscosity ²	1.50-2.00 dL/g	1.77 dL/g
Residual solvent, total	<0.01%	0.00 %
Residual solvent, Toluene	<890 ppm	<0 ppm

1 – Measured by titration

2 – Measured at 25 °C in Chloroform c=0.1 g/dL

Approved By:
Amie Tyler
 Quality Manager