

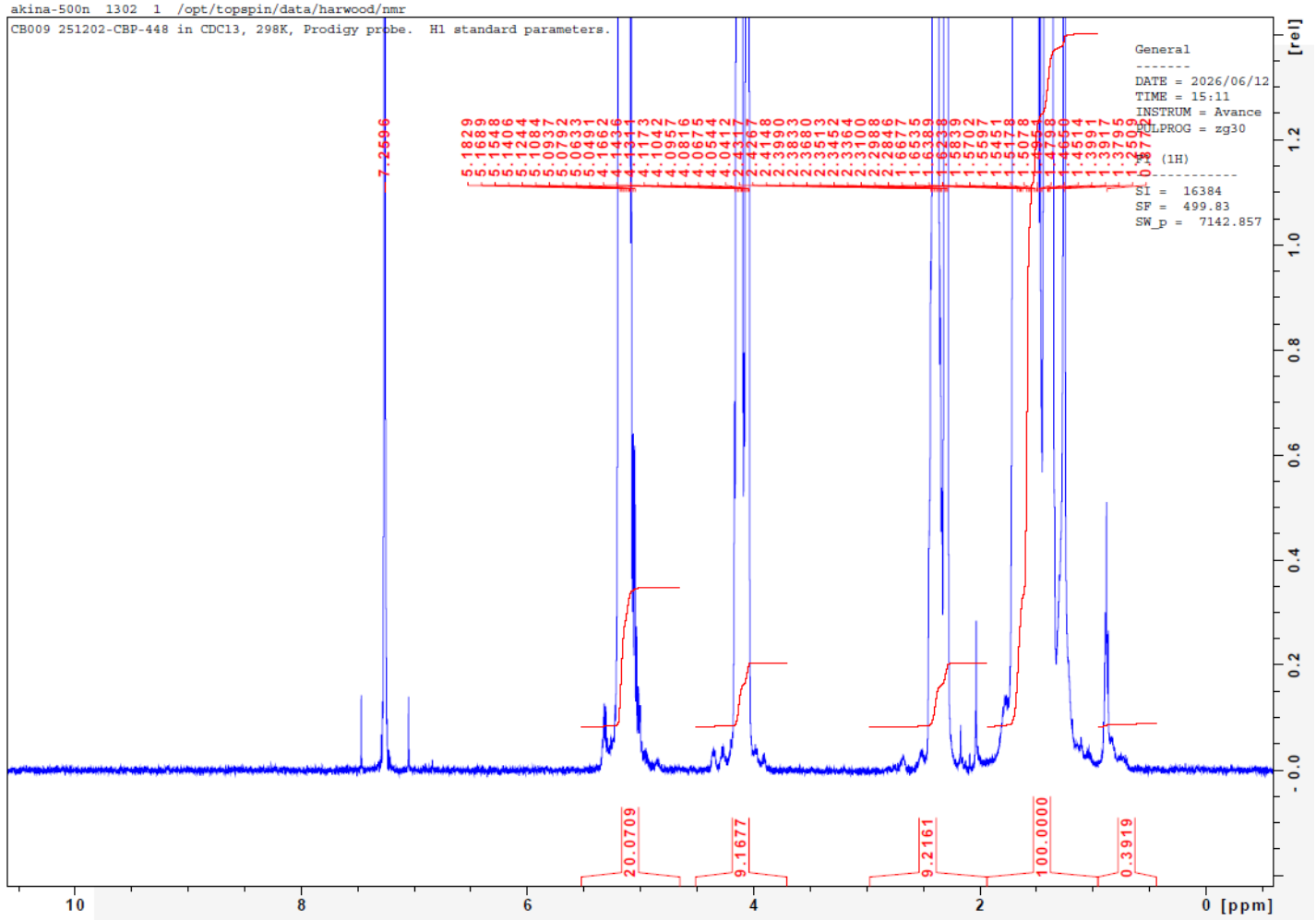
No. CB009

Certificate of Analysis



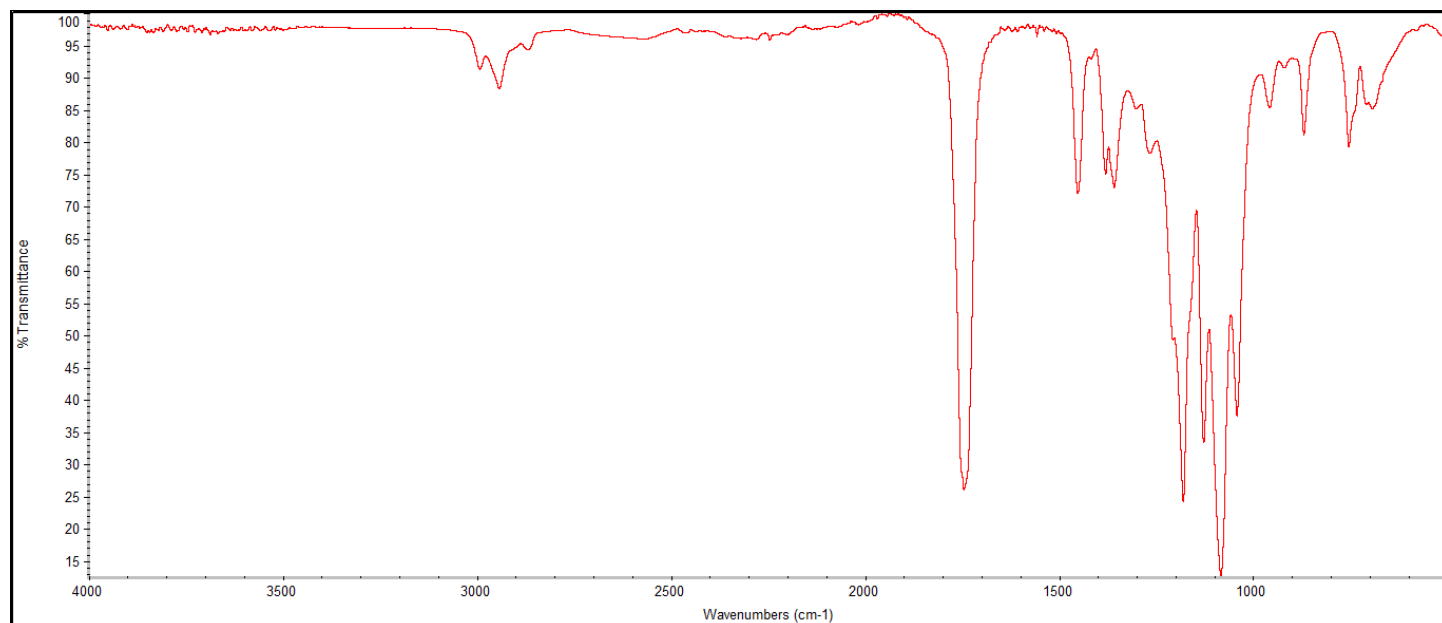
Product Name: Poly(L-Lactide-co-Caprolactone) I.V. 1.2 – 1.8 dl/g, LC 70:30, ester endcap (PLC 7015) (Lot # 251202CBP-448)

H-NMR



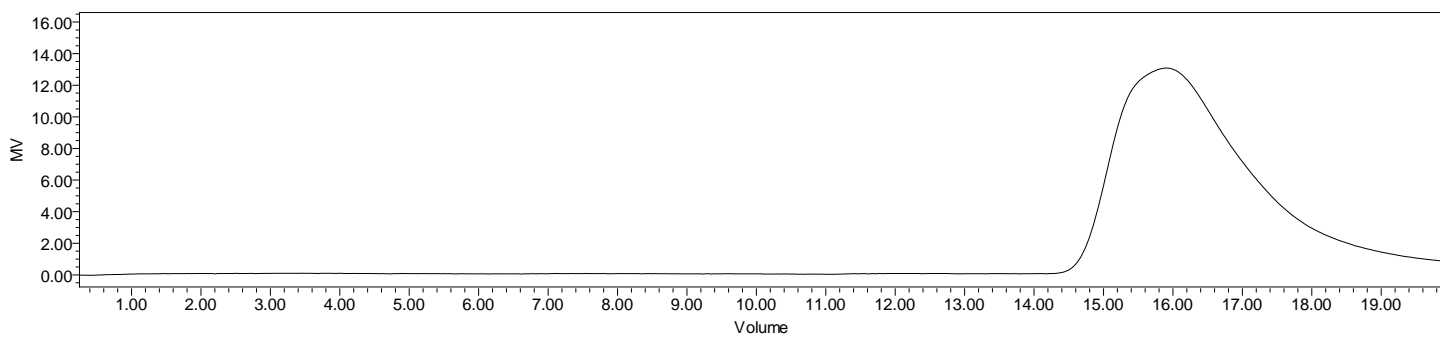
H-NMR Spectrum of copolymers in CDCl₃ (NMReady-60e, Nanalysis 60 MHz) NMR of PLGA copolymer: LA-CL =81%-19% molar ratio (LA:CL 73%:27% w:w)

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 | 122,366 | 176,563 | 177,240 |

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.

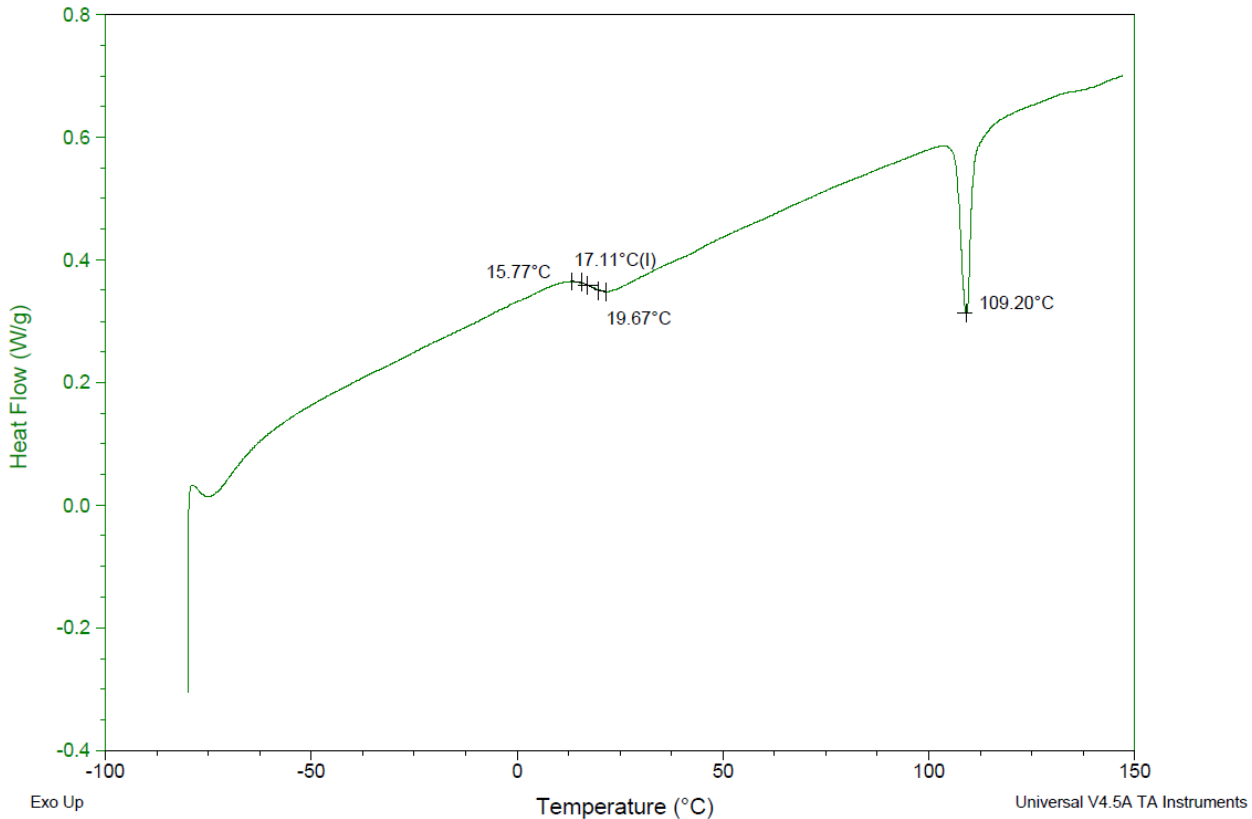
DSC

Sample: CB009 251202CBP-448
 Size: 2.6000 mg
 Method: Ramp

DSC

File: C:\...\COA\CB009 251202CBP-448.001

Run Date: 11-Jun-2026 11:06
 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 = 17.11 °C



Manufacturer Provided Data

| Assay | Specification | Result |
|---------------------------------|----------------|----------------|
| Tin content | <50ppm | 63 ppm |
| Water content ¹ | <0.50% | 0.06% |
| Residual monomer, L Lactide | <0.50% | 0.09% |
| Residual monomer, Caprolactone | <0.50% | 0.04% |
| Inherent Viscosity ² | 1.20-1.80 dL/g | 1.58 dL/g |
| Tg, melting onset-peak | 100.0-120.0 °C | 109.2-112.8 °C |
| Residual solvent, Toluene | <890 ppm | <0 ppm |
| Residual solvent, Acetone | <5000 ppm | 11 ppm |
| Residual solvent, Total | <0.10 % | 0.00 % |

1 - Measured by Titration

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

Approved By:
Amie Tyler
 Quality Manager