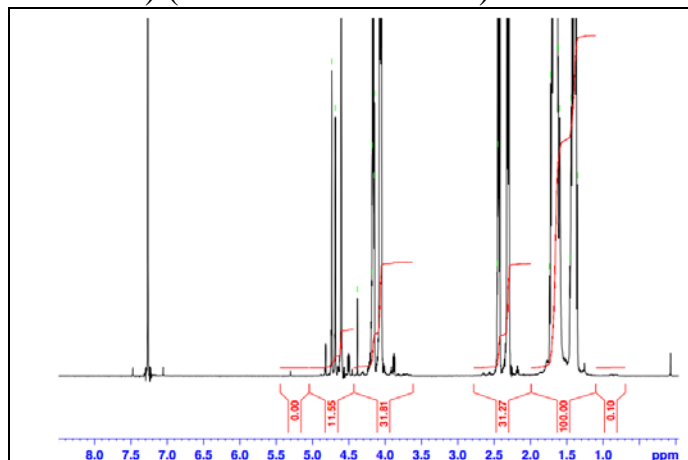


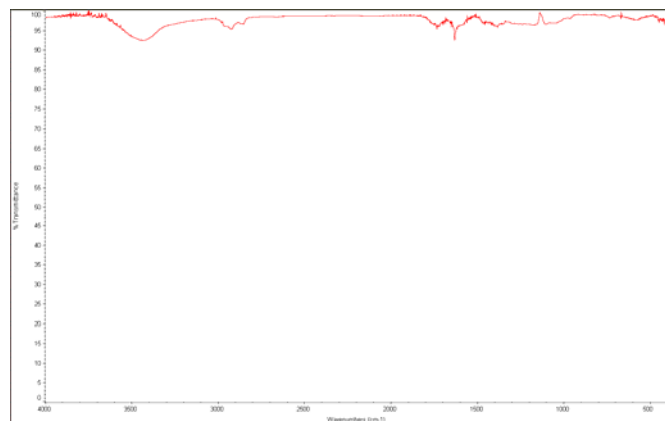
No. APB004

Certificate of Analysis

Product Name: Poly(glycolide-co-caprolactone) (CL:GA 85:15, I.V. 1.0-2.0 dL/g) (Capromaxx CG 8515) (Lot# BB0302-243D)



H-NMR Spectrum of polymer in CDCl₃ (Varian Inova 500 MHz instrument). CL/GA=81%/19% molar ratio (84%/16% w/w)

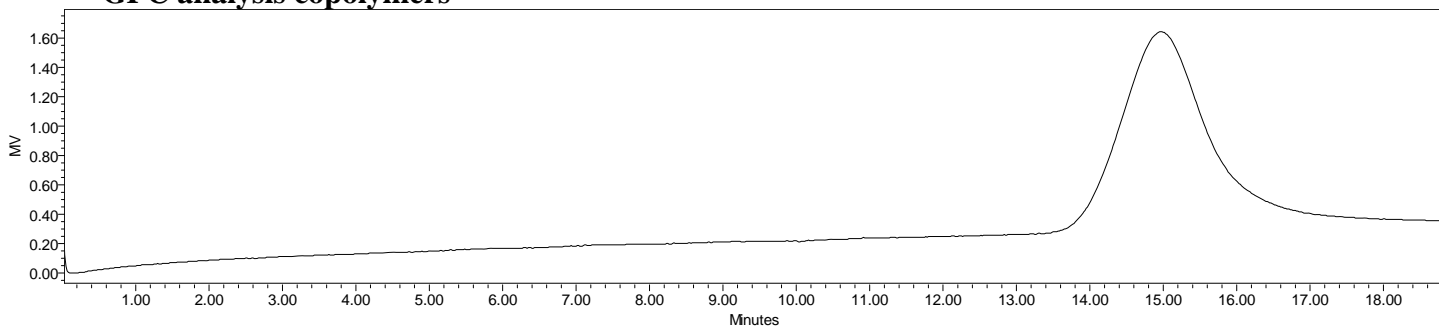


FTIR Analysis: Collected from KBR pellet placed in Nicolette Protégé 460 and analyzed in transmission mode.

Manufacturer provided data

Test	Specification	Result
Appearance (Color)	White to Off white	Off White
Appearance (Form)	Chips or Chunks	Chunks
Inherent Viscosity (IV) (0.1% in chloroform at 25°C)	1.0-2.0 dL/g	1.73 dL/g
Thermal Analysis (DSC)	Melting Point: 35 to 45°C Glass Transition Temperature: -55 to -45°C	T _m 38.8°C T _g -53°C

• GPC analysis copolymers



Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across three 300 x 7.6 mm GPC columns (mixed porosities). Detection via refractive index, calibrated against polystyrene standards

Polymer	M _n (from GPC)	M _w (from GPC)	PDI
Capromaxx CG 8515	121,473	134,986	1.11

• Structure of polymer

