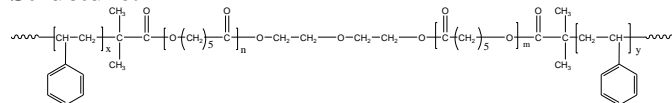


**Sample Name:** Poly (styrene -b - ε-caprolactone -b- styrene)

**Sample #:** P41785A-SCLS

**Structure:**

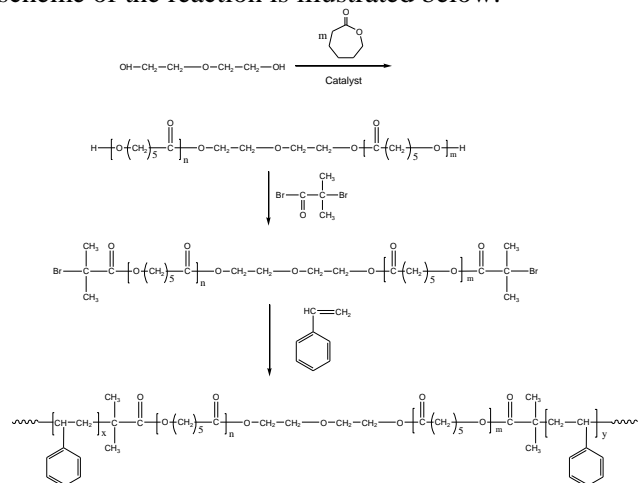


**Composition:**

Mn x 10 <sup>3</sup> PS-b-PCL-b-PS	PDI
2.0-b-8.0-b-2.0	1.27

**Synthesis Procedure:**

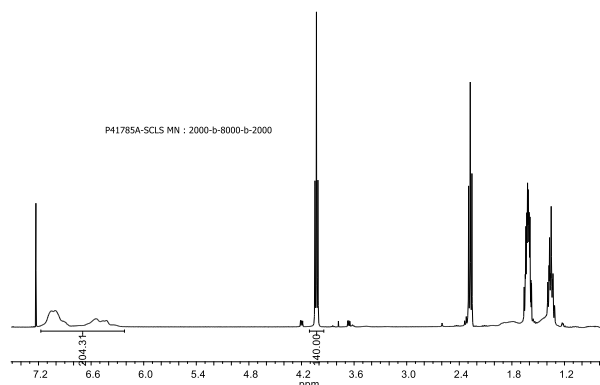
Poly(styrene -b - ε -caprolactone -b- styrene) is prepared by ring opening polymerization of ε-caprolactone and RAFT polymerization of styrene. The scheme of the reaction is illustrated below:



**Characterization:**

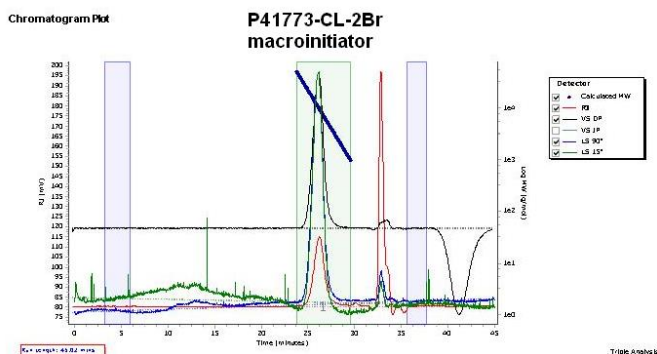
The product was characterized by size exclusion chromatography (SEC) and <sup>1</sup>H NMR.

**<sup>1</sup>H-NMR Spectrum of the copolymer:**



**SEC elugram of the Macroinitiator:**

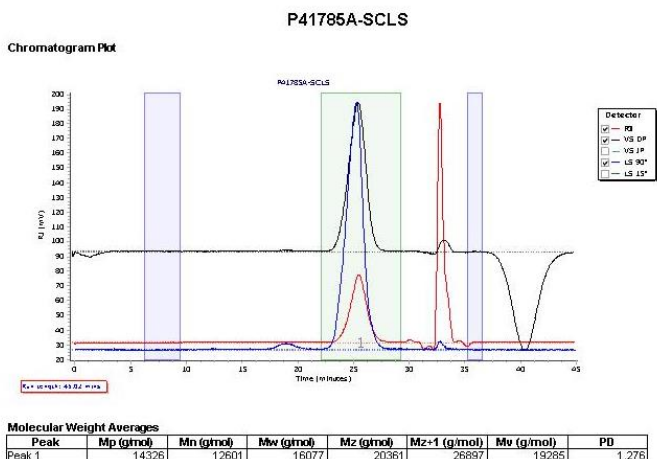
Agilent GPC/SEC Software



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	9674	8082	10137	11983	14006	11265	1.254

**SEC elugram of the Sample:**

Agilent GPC/SEC Software



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	14326	12601	16077	20361	26897	19285	1.276

Composition from HNMR