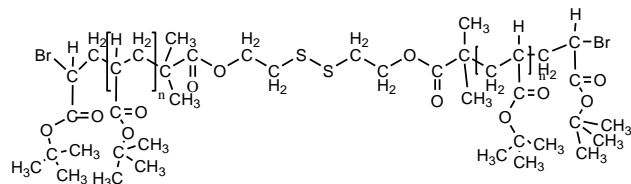


Sample Name:

**Poly (tert-butyl acrylate), with disulfide group in center of polymer chain**

Sample #: P41199-tBuA2SS

**Structure:**

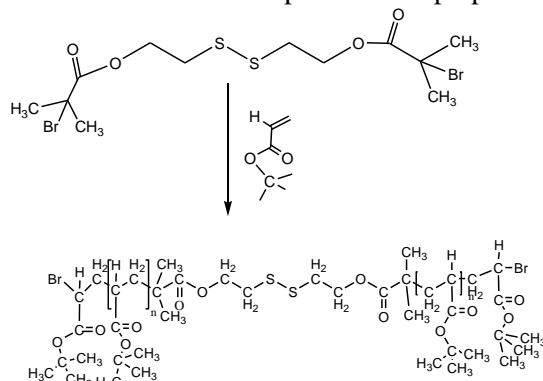


**Composition:**

Mn x 10 <sup>3</sup>	PDI
20.0	2.8

**Synthesis Procedure:**

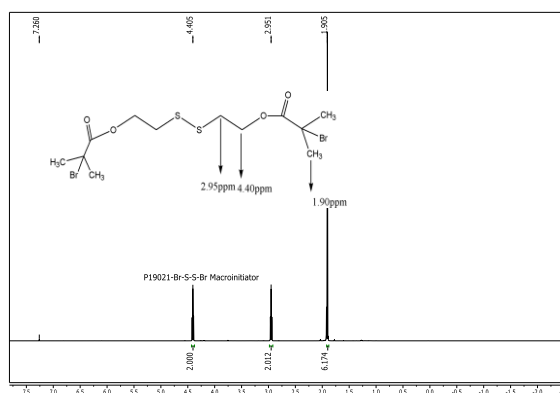
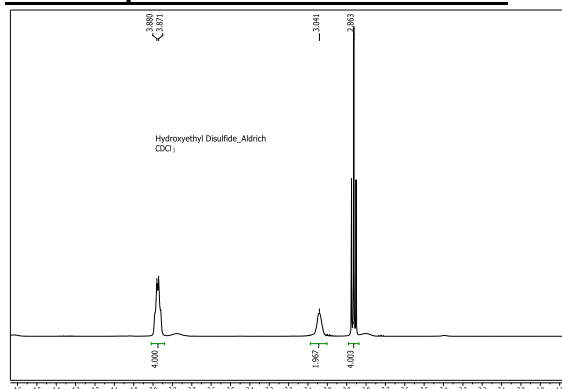
The polymer was prepared by controlled radical polymerization process. The following reaction scheme shows how the product was prepared:



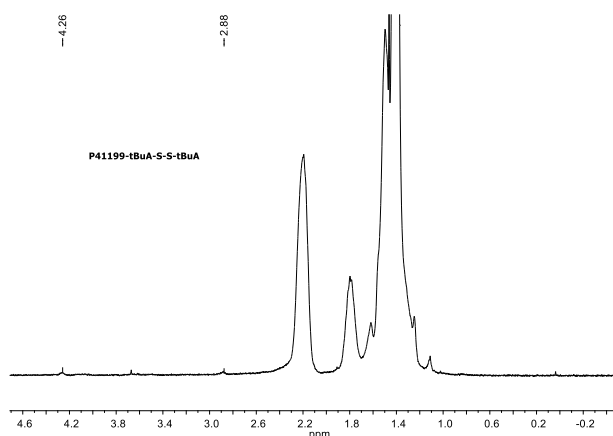
**Characterization:**

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

**H NMR spectrum of the macroinitiator:**



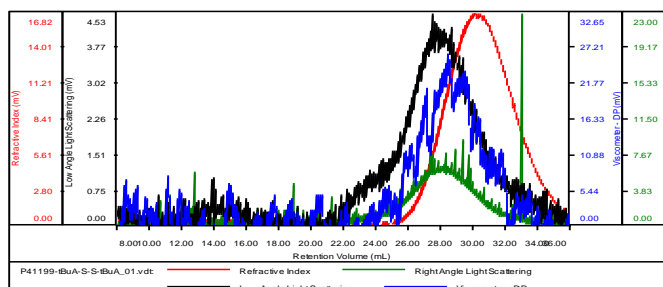
**HNMR spectrum of the product:**



**SEC elugram of the Sample:**

**P41199-tBuA-S-S-tBuA**

Concentration (mg/mL)	2.3534
Sample dn/dc (mL/g)	0.0840
Method File	PS99K-May-2018-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P41199-tBuA-S-S-1	20,645	58,114	2.815	0.8125	34,756