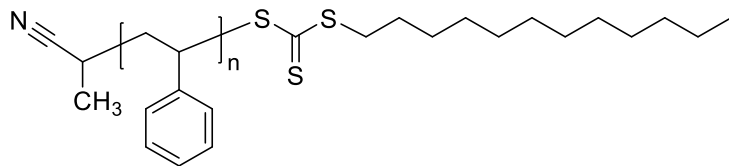


**Sample Name:** Poly (Styrene), RAFT-agent terminated

**Sample #:** P60091-SRAFT

**Structure:**



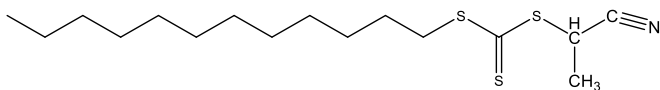
**Composition:**

$M_n \times 10^3$	PDI
7.0	1.09

**Synthesis Procedure:**

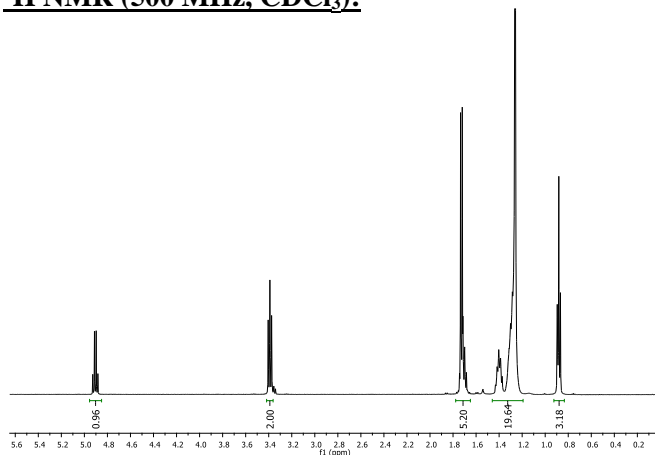
The polymer is prepared by RAFT polymerization process using following RAFT reagent:

**Structure:**



Molecular formula	C <sub>16</sub> H <sub>29</sub> NS <sub>3</sub>
Molecular weight	331.15
Purity:	> 95 %

**<sup>1</sup>H NMR (500 MHz, CDCl<sub>3</sub>):**



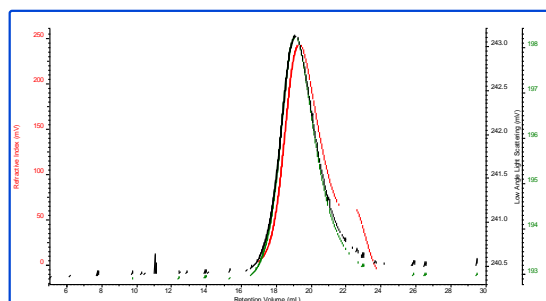
**Characterization:**

The molecular weight and polydispersity index (PDI) of the polymer are obtained by size exclusion chromatography (SEC) in DMF as eluent.

**SEC elugram of the Sample:**

**p60091-S first Block**

dn/dc	0.1650
Flow Rate	0.7000
Solvent	DMF with LiBr
Method	PSS column-PMMA60K-Jan3-2019-0003.vcm



Sample	Mn	Mw	Mp	Mw/Mn
P60091-Styrene	7,130	7,774	7,477	1.090