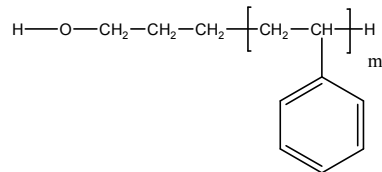


**Sample Name:**  
 **$\omega$ -Hydroxy Terminated Polystyrene with triethylene spacer**

**Sample #: P19256- SOH**

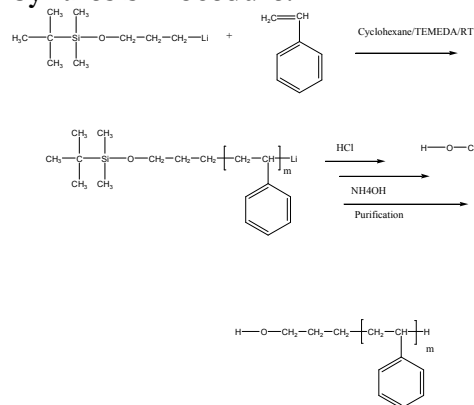
**Structure:**



**Composition:**

$M_n \times 10^3$	PDI
20.0	1.5
$T_g$ ( $^{\circ}\text{C}$ )	92 $^{\circ}\text{C}$

**Synthesis Procedure:**



**Characterization:**

By SEC analysis HNMR

**Thermal analysis:**

Thermal analysis of the samples was carried out using a differential scanning calorimeter (TA Q100) at a heating rate of 10 $^{\circ}\text{C}/\text{min}$ . The inflection glass transition temperature ( $T_g$ ) has been considered.

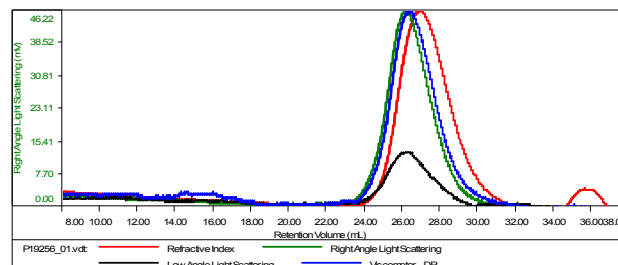
**Solubility:**

Polymer is soluble in toluene, THF,  $\text{CHCl}_3$  and can be precipitated in water and cold methanol.

**SEC of Sample:**

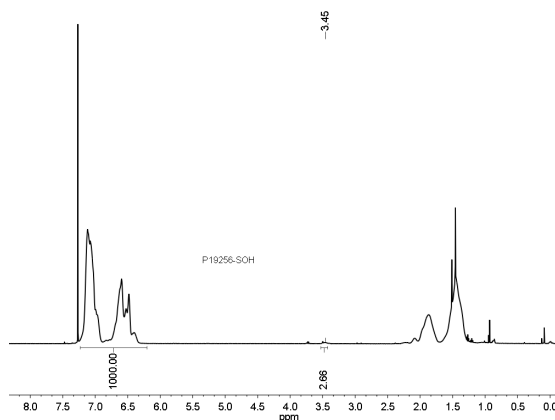
**Sample ID: P19256-SOH**

Concentration (mg/mL)	1.9738
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-April29-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polycdispersi	Intrinsic Viscosity (dL/g)
P19256_01.vcl	20,121	30,155	28,655	1.499	0.6789

**HNMR of Sample:**



**DSC thermogram for the sample:**

