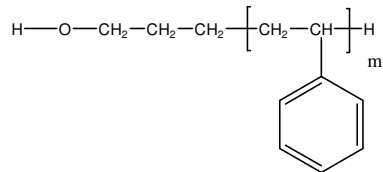
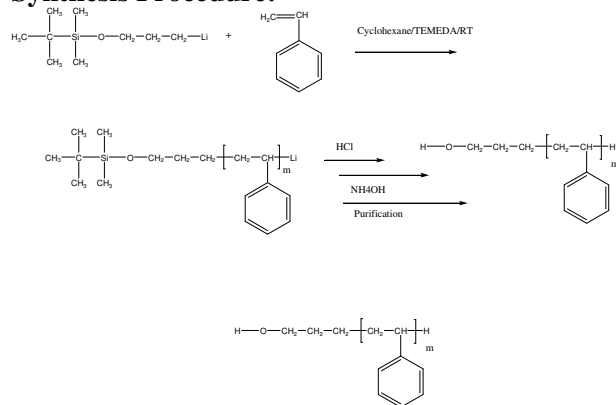


**Sample Name:**

**ω-Hydroxy Terminated Polystyrene with trimethylene spacer**

**Sample #: P19896- SOH****Structure:****Composition:**

$\text{Mn} \times 10^3$	PDI
17.5	1.28
$T_g$ (°C)	92 °C

**Synthesis Procedure:****Characterization:**

The polymer was characterized by SEC analysis and  $^1\text{H}$  NMR

**Thermal analysis:**

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

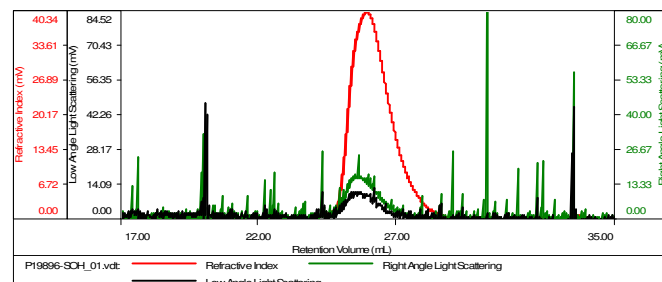
**Solubility:**

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

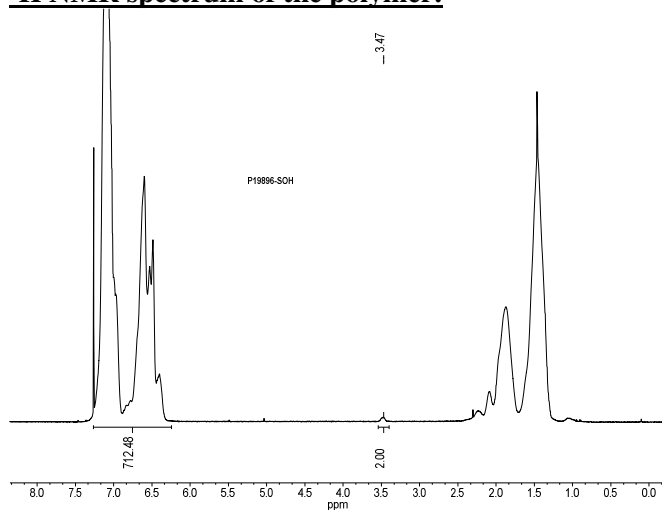
**SEC elugram of the polymer:**

Sample ID: P19896-SOH

Concentration (mg/mL)	0.8548
Sample dn/dc (mL/g)	0.1860
Method File	PS80K-May112016-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P19896-SOH_01.vdt	17,571	22,624	1.288	0.5723	23,790

 **$^1\text{H}$  NMR spectrum of the polymer:****DSC thermogram for the sample:**