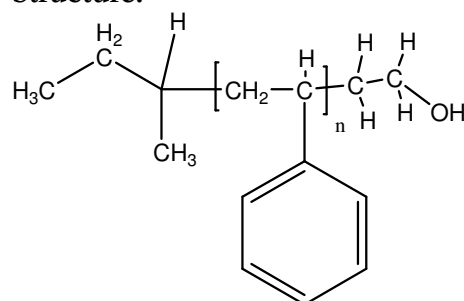


Sample Name:
ω-Hydroxy Terminated Polystyrene

Sample #: P18876 SOH

Structure:



Composition:

Mn x 10 ³	PDI
14.0	1.06
T _g (°C)	80

Synthesis Procedure:

ω-hydroxy terminated polystyrene was prepared by living anionic polymerization using OH protected initiator.

Characterization:

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector. Polymer functionality was determined by titration with NaOH solution using phenolphthalein as the indicator.

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.

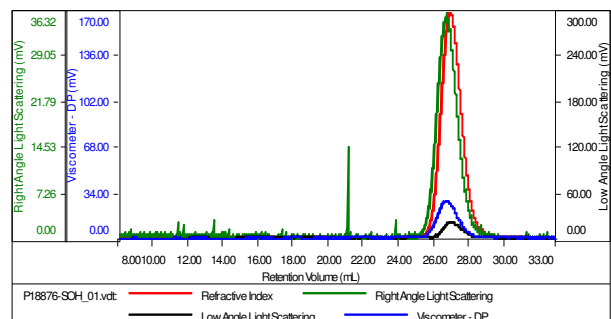
Solubility:

Polymer is soluble in toluene, THF, CHCl₃ and can be precipitated in water and cold methanol.

SEC of Sample:

Sample ID: P18876-SOH

Concentration (mg/mL)	3.7662
Sample dn/dc (mL/g)	0.1860
Method File	PS80K-0803-2014-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



DSC thermogram for the sample:

