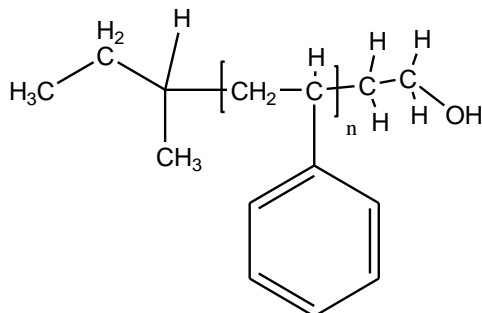


Sample Name:  $\omega$ -Hydroxy Terminated Polystyrene

Sample #: P42633-SOH

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	PDI
18.5	1.01

**Synthesis Procedure:**

$\omega$ -Hydroxy terminated polystyrene was prepared by anionic living polymerization of styrene in THF followed by termination with ethylene oxide.

**Characterization:**

The product was characterized by size exclusion chromatography (SEC).

**Thermal analysis:**

Thermal analysis of the samples was carried out on a TA Q100 differential scanning calorimeter at a heating rate of 10°C/min. The midpoint of the slope change of the heat flow plot of the second heating scan was considered as the glass transition temperature ( $T_g$ ).

**Solubility:**

Polystyrene is soluble in DMF, THF, toluene and  $\text{CHCl}_3$ . It precipitates from methanol, ethanol, water and hexanes.

**SEC elugrame of the Sample:**

Agilent GPC/SEC Software

