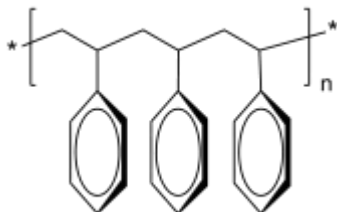


**Sample Name:** Polystyrene

**Sample #:** P2774-Siso

**Structure:**



**Composition:**

Mn x 103	PDI
58.8	4.8

**Synthesis Procedure:**

By anionic process in Hexane using LiHO as additive. Fractionation with Ketone to separate iso fractions.

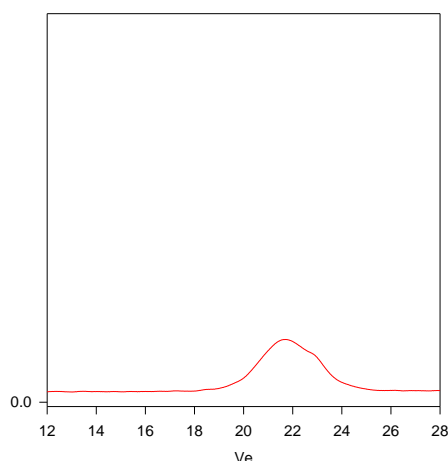
**Characterization:**

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors from Viscotek Co.

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<sub>g</sub>) has been considered.

**SEC of Homopolymer:**

P2774-Siso



Size Exclusion Chromatography profile of isotactic polystyrene:  
M<sub>n</sub>= 58,800, M<sub>w</sub>= 283,000 PI=4.8

**HNMR of the Sample**

