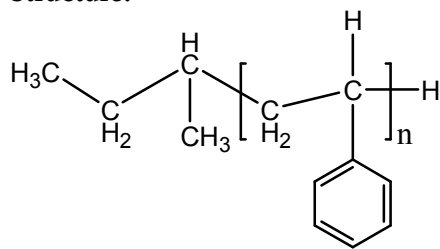


Sample Name: Polystyrene

Sample #: P19487-S

Structure:



Composition:

$\text{Mn} \times 10^3$	PDI
10.0	1.09

Synthesis Procedure:

Polystyrene is obtained by living anionic polymerization using Sec. Butyllithium as initiator.

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.

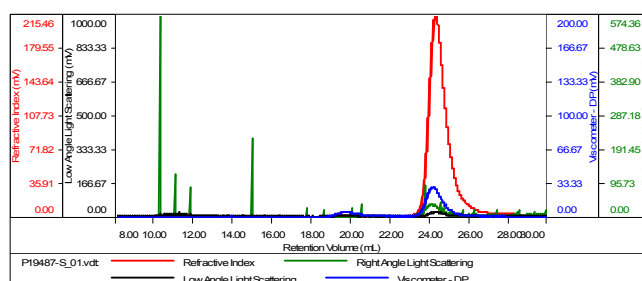
Solubility:

Polystyrene is soluble in DMF, THF, toluene and CHCl_3 . It precipitates from methanol, ethanol, water and hexanes.

SEC of the Sample: run in THF

Sample ID: P19487-S

Concentration (mg/mL)	1.1844
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-June30-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19487-S_01.vdt	9,918	10,864	9,912	1.085	0.5175