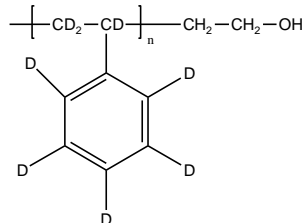


Sample Name:

ω -Hydroxy Terminated Deuterated Polystyrene

Sample #: **P18187-dPSOH**

Structure:



Composition:

Mn x 10 ³	PDI
6.8	1.04

Synthesis Procedure:

ω -Hydroxy Terminated deuterated polystyrene was prepared by living anionic polymerization of deuterated styrene using a monofunctional initiator such as Sec. butyl lithium in THF at -78 oC followed by termination with ethylene oxide.

Characterization:

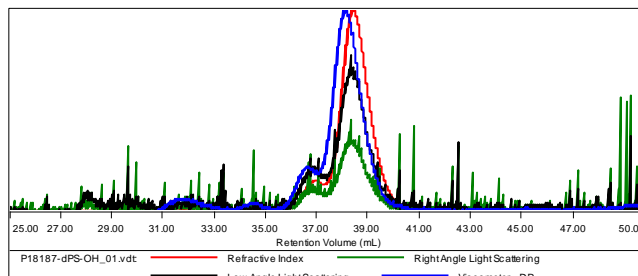
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

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

SEC of Sample:

Sample ID: P18187

Concentration (mg/mL)	9.7541
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-Sep19-2013-0002.vcm
Column Set	3x PL 1113-6300
System	System 1



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18187-dPS-OH_01.vdt	6,847	7,080	6,755	1.034	0.1193

