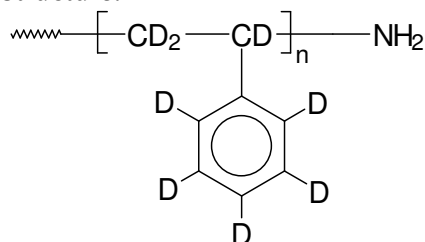


Sample Name:

ω -Amino terminated deuterated Polystyrene

Sample #: P19081-dPSNH2

Structure:



Composition:

Mn x 10 ³	PDI
11.5	1.35

Synthesis Procedure:

ω -Amino Terminated deuterated polystyrene was prepared by living anionic polymerization of deuterated styrene using a monofunctional amino protected initiator .

Ref:

Varsbney, S. K.; Song, Z.; Zhang, Jian-Xin.; Jerome, Robert. *Rapid Communication*; J. Polym. Sci. Part A, 2006, 44, 3400.

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. The functionality of polymer was determined by the titration with HClO₄ using crystal violet as the indicator.

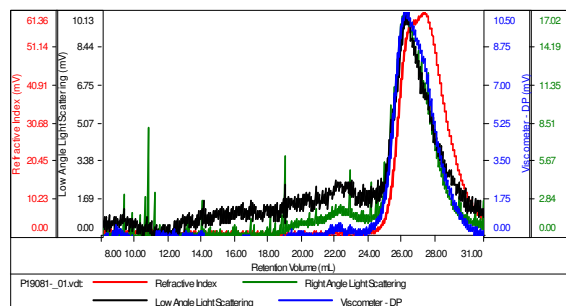
Solubility:

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

SEC of Sample:

Sample ID: P19081-dPSNH2

Concentration (mg/mL)	2.8800
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-Jan22-2015-0001.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)
P19081-01.vcl	11,771	15,920	12,444	1.353	0.1937