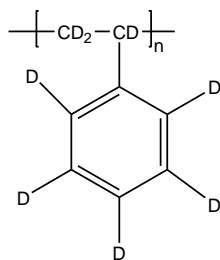


Sample Name: Deuterated Polystyrene (d<sub>8</sub>)

Sample #: P18456B-dPS

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	PDI
22.0	1.10

**Synthesis Procedure:**

Deuterated polystyrene-d<sub>8</sub> is obtained by anionic polymerization process.

**Characterization:**

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in DMF on a Malvern liquid chromatography equipped with refractive and light scattering detectors.

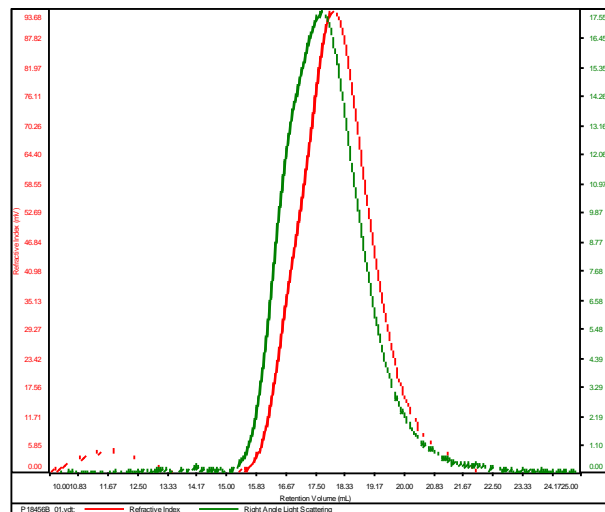
**Solubility:**

Deuterated polystyrene-d<sub>8</sub> is soluble in DMF, THF, toluene and CHCl<sub>3</sub>. It precipitates from methanol, ethanol, water and hexanes.

**SEC elugram of the polymer:**

P18456B

Conc	5.2820
dn/dc	0.1650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS-80k_2018-04-02-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18456B_01.vdt	21,932	24,190	21,051	1.103	0.1560