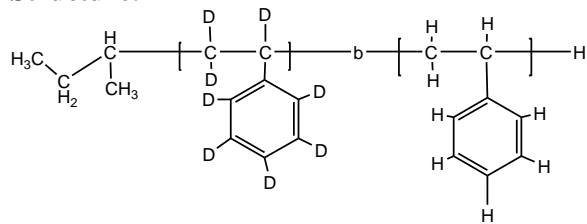


Sample Name: **Deuterated Polystyrene (d<sub>8</sub>)-b-Polystyrene (protonated)**

Sample #: **P2003-dPSS**

**Structure:**



**Composition:**

$M_n \times 10^3$ dPS-b-S	PDI
100.0-b-165.0	1.16

**Synthesis Procedure:**

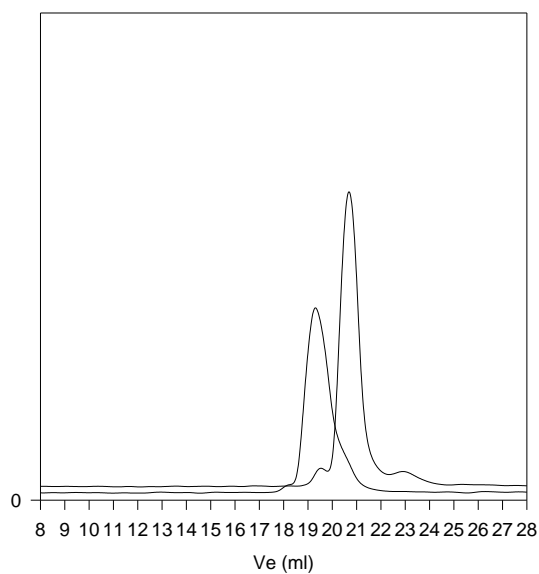
The polymer was synthesized by anionic polymerization Process by successive addition of monomer.

**Characterization:**

The product was characterized by size exclusion chromatography (SEC).

**SEC profile of the polymer:**

**P2003-dPSS**



Size exclusion chromatography of deuterated (d<sub>8</sub>)Styrene-b-Polystyrene

— PdPS,  $M_n=100,000$ ,  $M_w=105,500$ ,  $PI=1.06$

— Block Copolymer PdPS(100,000)-b-S(165,000),  $PI=1.16$