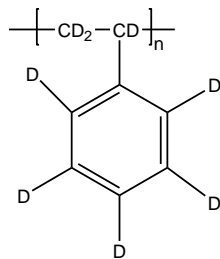


Sample Name: Deuterated Polystyrene (d₈)

Sample #: P5814A-dPS

Structure:



Composition:

Mn x 10 ³	PDI
9.0	1.25

Synthesis Procedure: by controlled radical process.

Characterization:

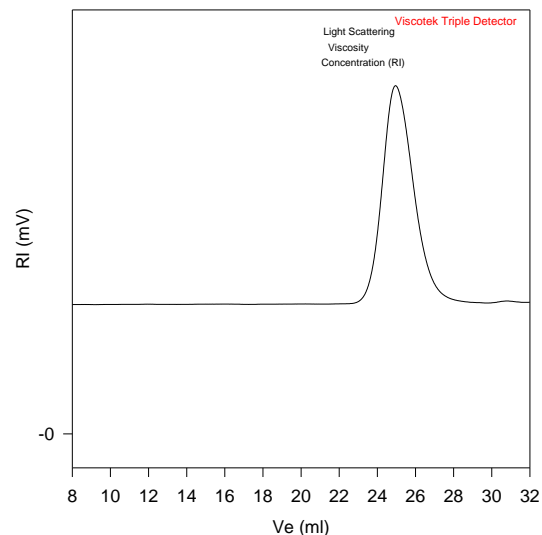
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors from Viscotek Co. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used.

Solubility:

Deuterated polystyrene-d₈ is soluble in DMF, THF, toluene and CHCl₃. It precipitates from methanol, ethanol, water and hexanes.

SEC of Homopolymer:

P5814A-dPS



Size Exclusion Chromatography of deuterated polystyrene (d₈)

— M_n = 9,000, M_w = 11,200, M_w/M_n = 1.25