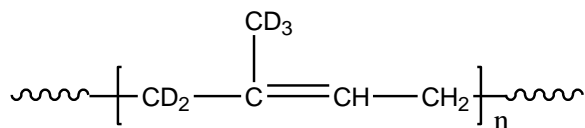


Sample Name:
Deuterated Polyisoprene-d5 (1,4-addition)

Sample #: P9902-d5PIP

Structure:



Composition:

Mn x 10 ³	PDI
52.0	1.09

Synthesis Procedure:

Polyisoprene is obtained by anionic polymerization of deuterated (d5) isoprene.

Characterization:

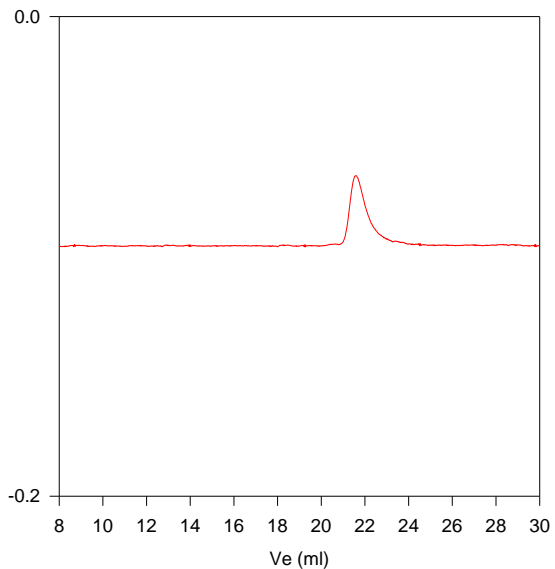
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple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

Solubility:

Polymer is soluble in THF, toluene, hexane and chloroform. This polymer precipitates from methanol.

SEC of Sample:

P9902-d5PIP



$M_n=52,000$, $M_w=56,000$, $M_w/M_n=1.09$,