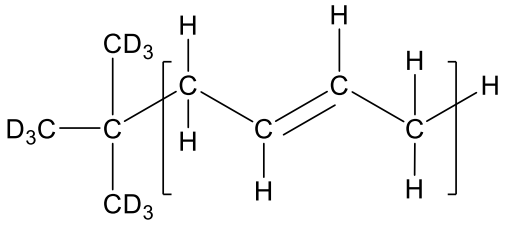
Sample Name: **Poly(1,4-butadiene), hydrogen-containing polymer with deuterated tBu-d9 end-group**

Sample #: **P41850-Bd-dtBu**

Structure:



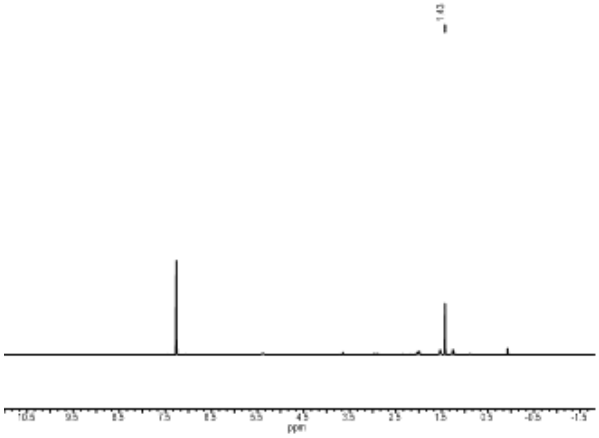
Composition:

Mn x 10^3	PDI
114.0	1.02

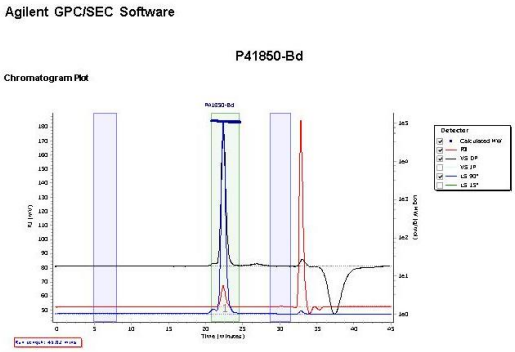
Synthesis Procedure:
Polymer was synthesized by living anionic polymerization of butadiene monomer using d9 tert.butyl- lithium initiator.

Characterization:
The product was characterized by size exclusion chromatography (SEC) and ^{1}HNMR.

HNMR spectrum of the polymer:
Protonic analog impurity < 1%



SEC elugram of the polymer:



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	114322	114208	114212	114217	114221	114217	1

Processing Parameters

Method	Last modified by Polymer Source at 3:21:24 PM on February-19-19
Concentration Detector Used in Analysis	RI
Injection volume (µL)	100.00
Flow rate (mL/min)	1.00
Concentration options	Calculate Sample Concentration from Entered Sample Properties
Entered dn/dc (mL/g)	0.125