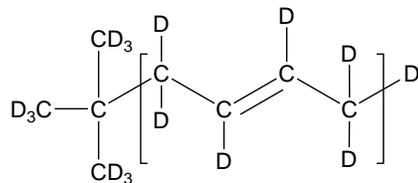


Sample Name: Deuterated Poly(1,4-butadiene-d6), end-groups are Completely deuterated

Sample #: P41833-dBd

Structure:



Composition:

M _n x 10 ³	PDI
29.0	1.02

Synthesis Procedure:

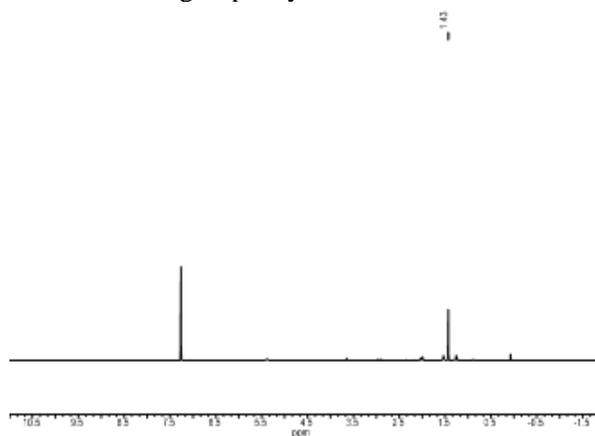
Polymer was synthesized by living anionic polymerization of d6 butadiene monomer using d9 tert.butyl- lithium initiator.

Characterization:

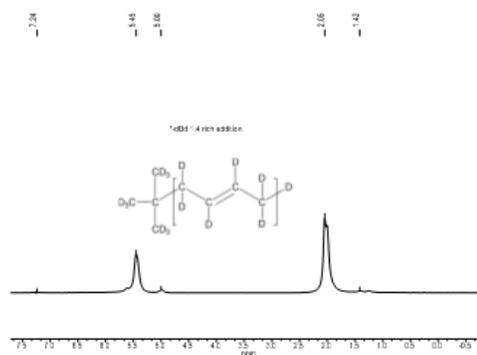
The product was characterized by size exclusion chromatography (SEC), ¹HNMR and DNMR.

HNMR spectrum of the polymer:

Protonic analog impurity < 1%



D NMR spectrum of the polymer:

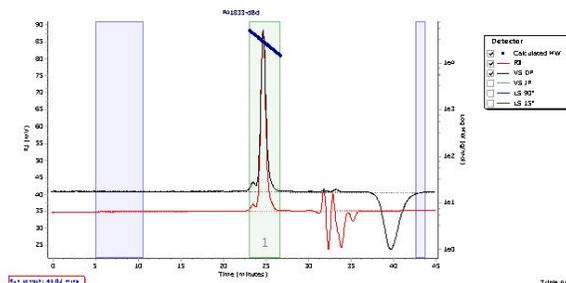


SEC elugram of the polymer:

Agilent GPC/SEC Software

P41833-dBd

Chromatogram Plot



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	28632	28925	29535	30163	30852	30005	1.021