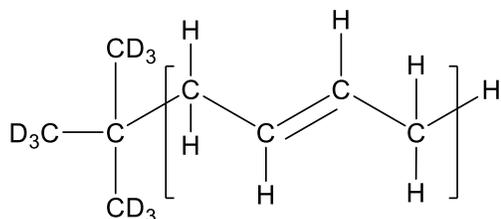


Sample Name: Poly(1,4-butadiene), hydrogen-containing polymer with deuterated tBu-d9 end-group

Sample #: P41831-Bd-dtBu

Structure:



Composition:

Mn x 10 ³	PDI
147.5	1.02

Synthesis Procedure:

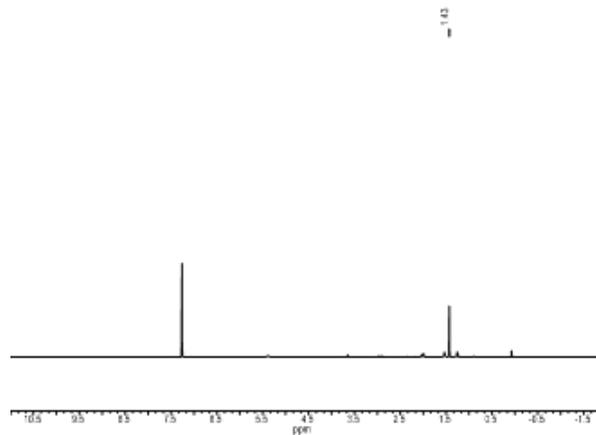
Polymer was synthesized by living anionic polymerization of butadiene monomer using d9 tert.butyl- lithium initiator.

Characterization:

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

1H NMR spectrum of the polymer:

Protonic analog impurity < 1%

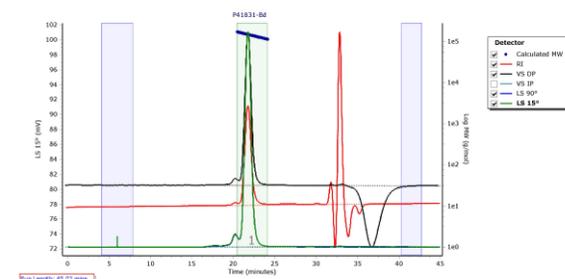


SEC elugram of the polymer:

Agilent GPC/SEC Software

P41831-Bd

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	148223	147242	147608	147959	148299	147893	1.002