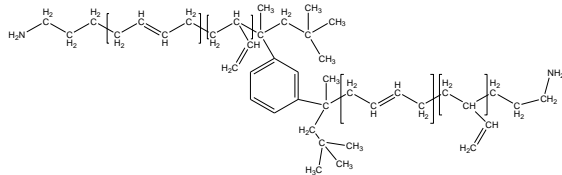


Sample Name: Poly(1,4-butadiene), α,ω -bis(amino)-terminated

Sample #: P41316-Bd2NH2

Structure:



Composition:

Mn x 10 ³	PDI
6.5	1.34

Functionality	>98%
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T _g	-45°C
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1,4 addition	70%
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Synthesis Procedure:

The polymer was synthesized by anionic polymerization process by using Bifunctional initiator.

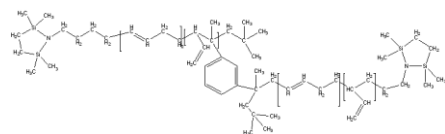
Characterization:

The polymer was characterized by SEC and ¹H NMR.

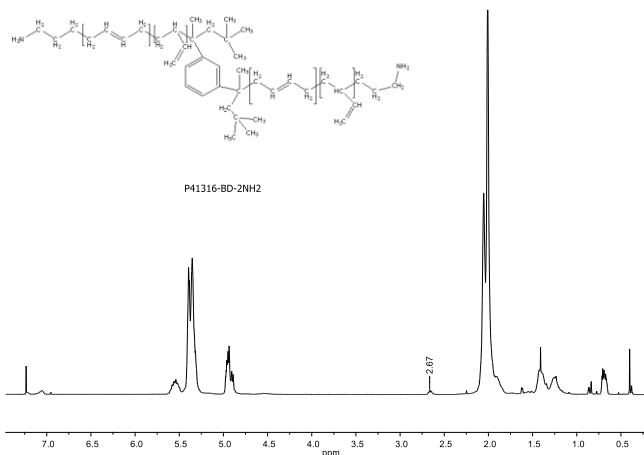
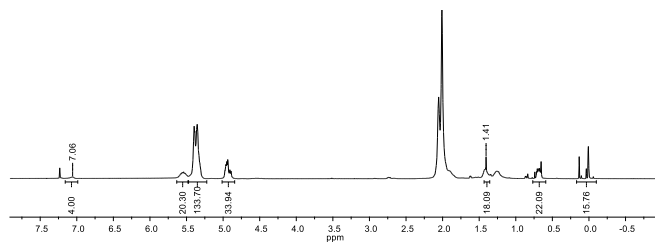
Functionality:

The functionality of polymer was determined by the titration with HClO₄ using crystal violet as the indicator

¹H NMR spectrum of the sample:



P41316-Bd2NH2 protected

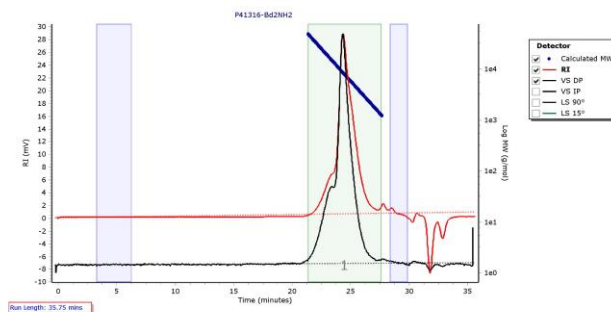


SEC elugram of the Sample:

Agilent GPC/SEC Software

P41316-Bd2NH2

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	6612	6554	6775	11649	16044	11092	1.339