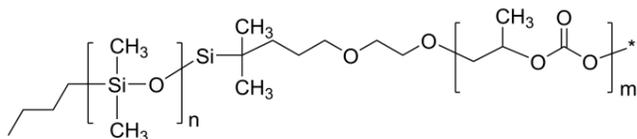


Sample Name:

**Poly(dimethylsiloxane)-b-poly(propylene carbonate)**

Sample #: **P43082B-DMSPPC**

Structure:

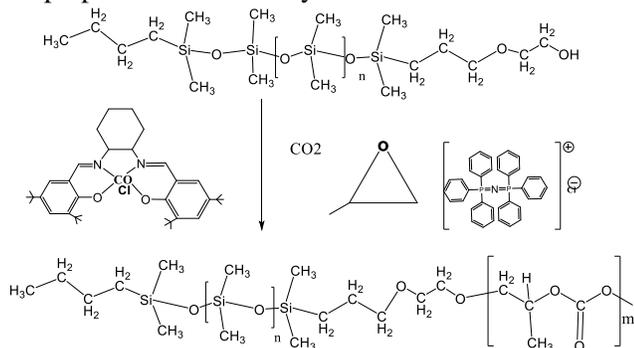


Composition:

Mn x 10 <sup>3</sup>	PDI
5.0-b-5.0	1.35

Synthesis Procedure:

The following reaction scheme shows how the product was prepared and the catalyst that has been used:



Characterization:

The product was characterized by size exclusion chromatography (SEC) and <sup>1</sup>H NMR data analysis.

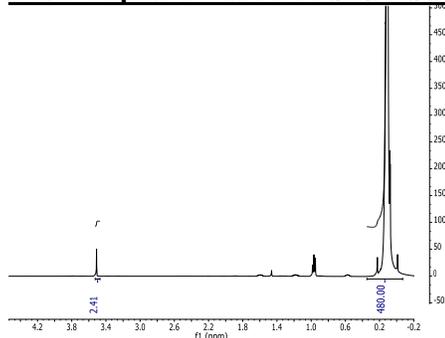
Purification:

Product was purified to remove:

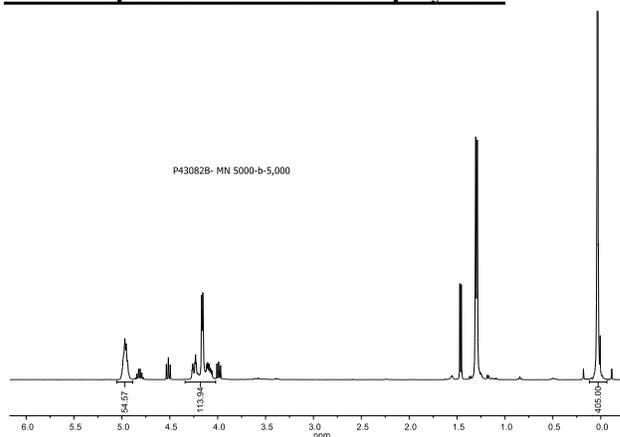
1. Homopolydimethylsiloxane if any
2. Homopoly propylene carbonate

Using solvent /non solvent mixture and the purification followed by SEC profile.

**HNMR spectrum of PDMS-OH Sample:**



**HNMR spectrum of Diblock copolymer:**



**SEC profile of the Sample:**

