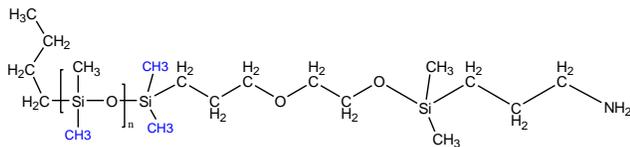


Sample Name:

**Amino Terminated Polydimethylsiloxane**

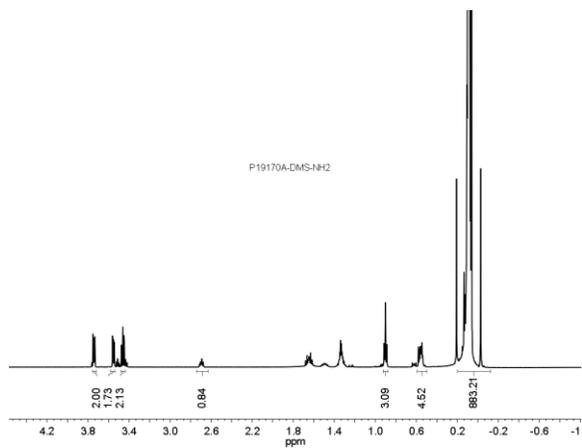
Sample #: **P19170A-DMSNH2**

Structure:



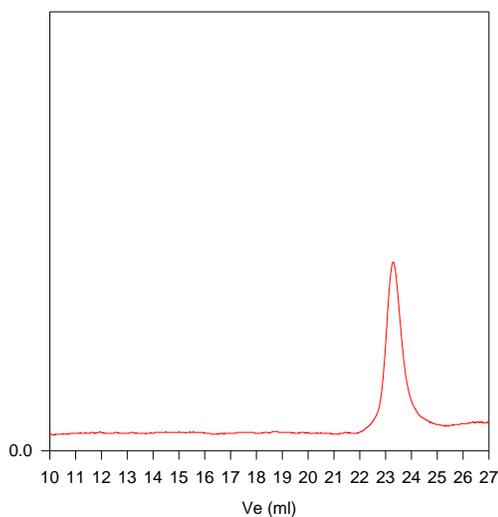
Composition:

|                      |       |
|----------------------|-------|
| Mn x 10 <sup>3</sup> | PDI   |
| 10.0                 | 1.10  |
| NH2 by titration     | > 50% |



**SEC of Sample:**

**P19170A-DMSOH (carbinol used for PDMS-NH2)**



Size exclusion chromatography of monocarbinol terminated poly(dimethyl siloxane):

M<sub>n</sub>=10,000, M<sub>w</sub>=11,000, M<sub>w</sub>/M<sub>n</sub>=1.10,

**Synthesis Procedure:**

Amino terminated polydimethylsiloxane was prepared by anionic living polymerization of hexamethyl cyclotrisiloxane .

Ref: J.X. Zhang, S.K. Varshney, "Simple Approach for the Scale-up Production of Block Copolymer of Polydimethylsiloxane with (Meth)acrylic Ester Monomers" *Designed Monomers and Polymers*, 2002, 1, 79.

**Characterization:**

By HNMR and GPC; FTIR analysis

**H NMR - Chemical Shifts :**

