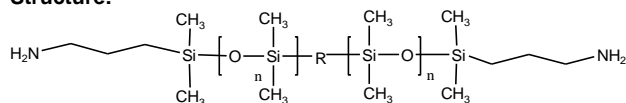


Sample Name:

α, ω Amino Terminated Polydimethylsiloxane

Sample #: P8769-DMS2NH2

Structure:

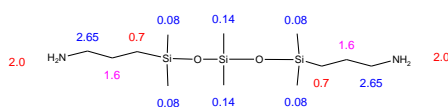
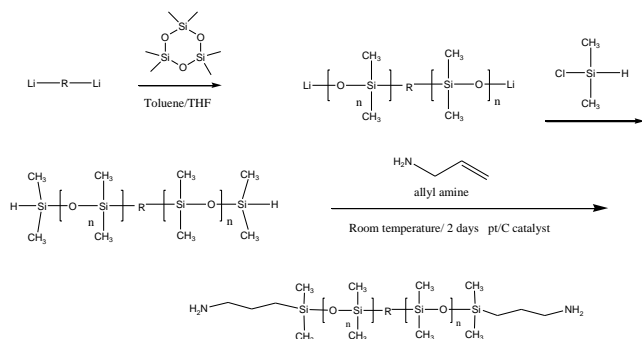


Composition:

Mn x 10 ³	PDI
5.0	1.6

Synthesis Procedure:

α, ω Amino Terminated Polydimethylsiloxane was prepared by anionic living polymerization of hexamethyl cyclotrisiloxane, followed by a hydrosilation with allylamine. The scheme of the reaction is illustrated below:



Characterization:

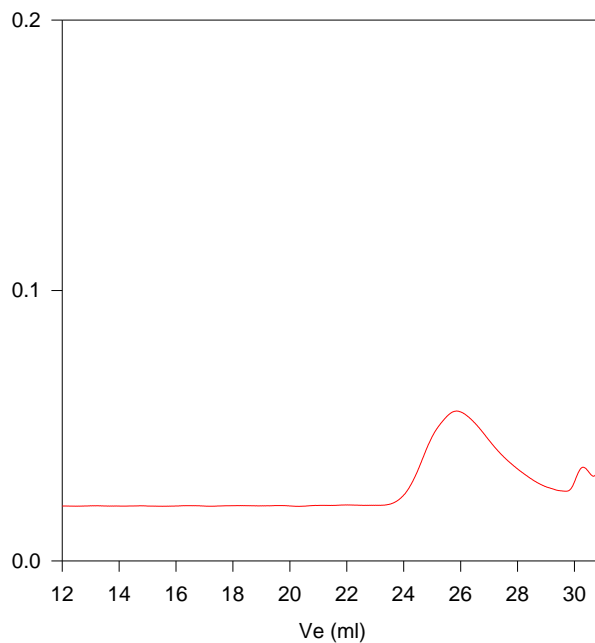
The molecular weight and polydispersity index of this polymer were by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

Solubility:

Polymer is soluble in THF, Hexane, benzene and toluene.

SEC of Sample:

P8769-DMS (Precursor of P8769-DMS2SiH)



Size Exclusion Chromatography of Poly(dimethyl siloxane)
After end capper with 1-naththyl isocyanate

$M_n=5000$, $M_w=8000$, $PI=1.6$

HNMR of the Polymer:

