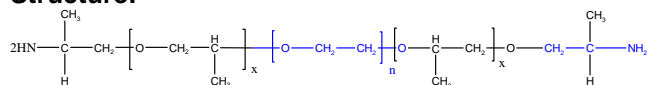


Sample Name:

α , ω -Diamino Terminated Poly(ethylene glycol)

Sample #: **P8398-EG2NH2**

Structure:



X; 2-3 units as an average

Composition:

Mn x 10 ³	PDI
2.0	1.08

Synthesis Procedure:

α , ω -diamino terminated poly(ethylene glycol) was prepared by living anionic polymerization of ethylene oxide using the potassium salt of ethylene glycol. The hydroxyl terminal groups of the polymer chains were converted to NH₂ by chemical modification reactions.

Characterization:

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector. Polymer functionality was determined by titration with HClO₄ using crystal violet as the indicator.

HNMR of the Polymer:

