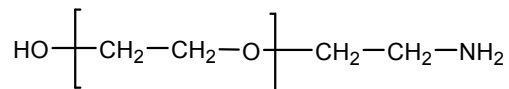


Sample Name:

**$\alpha$ -amino  $\omega$ -hydroxyl Terminated Poly(ethylene glycol)**

Sample : **P5887-EGNH2OH**

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	PDI
1.2	1.15

**Synthesis Procedure:**

$\alpha$ -Amino  $\omega$ -hydroxyl terminated poly(ethylene glycol) was synthesized by proprietary method.<sup>1</sup> Please call us if you would like to know more.

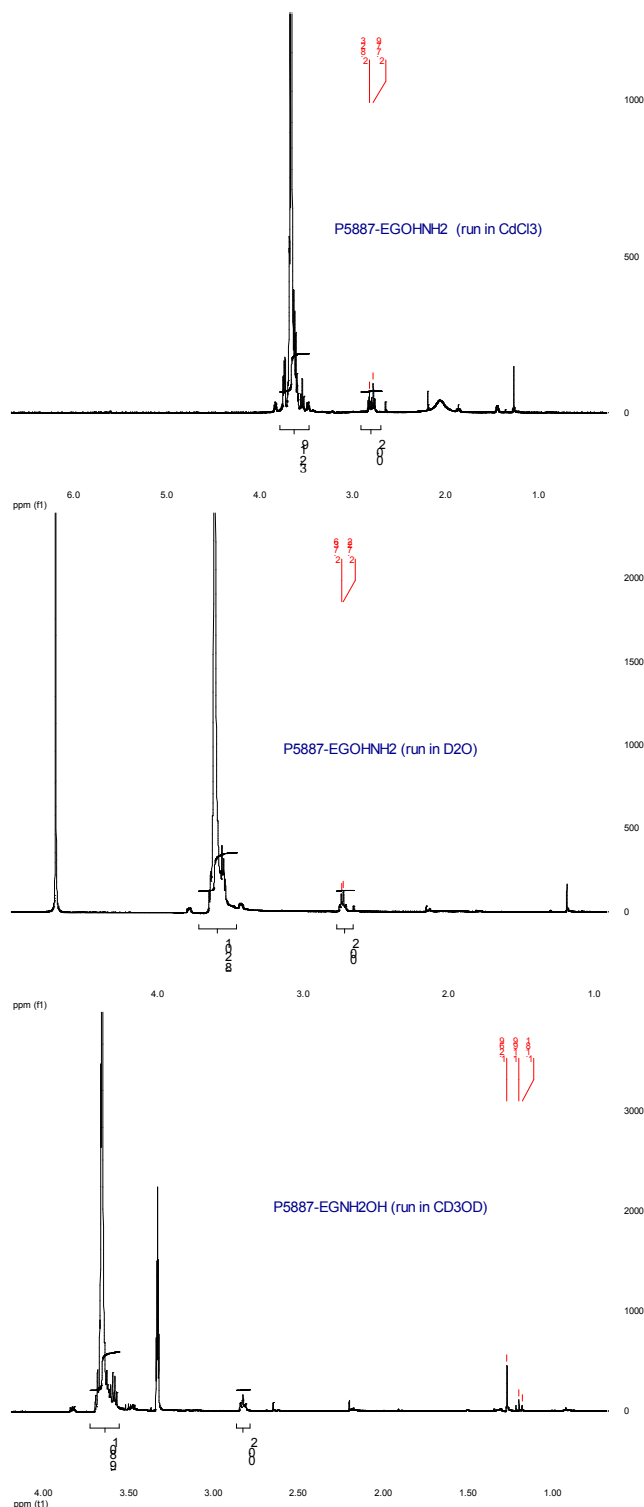
**Characterization:**

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.

**Functionality:** Functionality of the polymer was determined by <sup>1</sup>H NMR analysis or FT-IR spectroscopy or by titration.

**Solubility:**

Polymer is soluble in water, methanol and ethanol, THF, CHCl<sub>3</sub>. It is precipitated out from cold ethanol, isopropanol, hexane and ether.



**References:**

**S. K. Varshney**, J.X. Zhang, Apply US patent 09/895,323, 2001  
Heterofunctional Polyethylene glycol and Poly ethylene oxide, process for their Manufacture