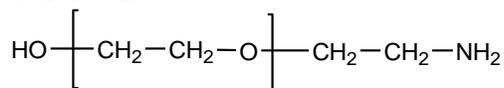


**Sample Name:**  
 **$\alpha$ -amino  $\omega$ -hydroxyl Terminated  
Poly(ethylene glycol)**

**Sample:** P18328A-EGNH2OH

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	PDI	NH2 functionality
6.0	1.10	> 99%

**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.

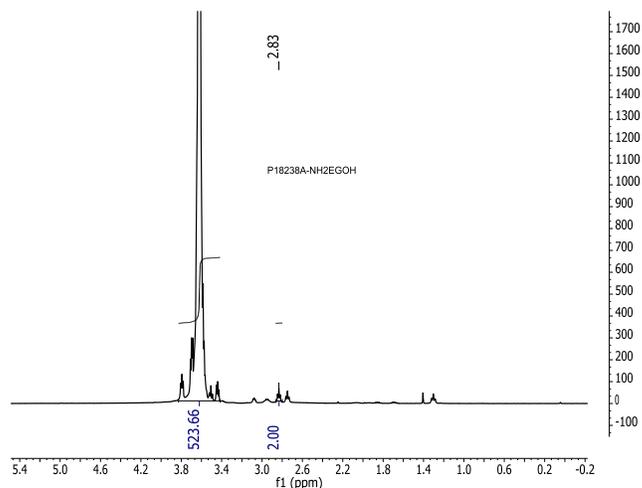
**Characterization:**

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 H NMR analysis or FT-IR spectroscopy or by titration.

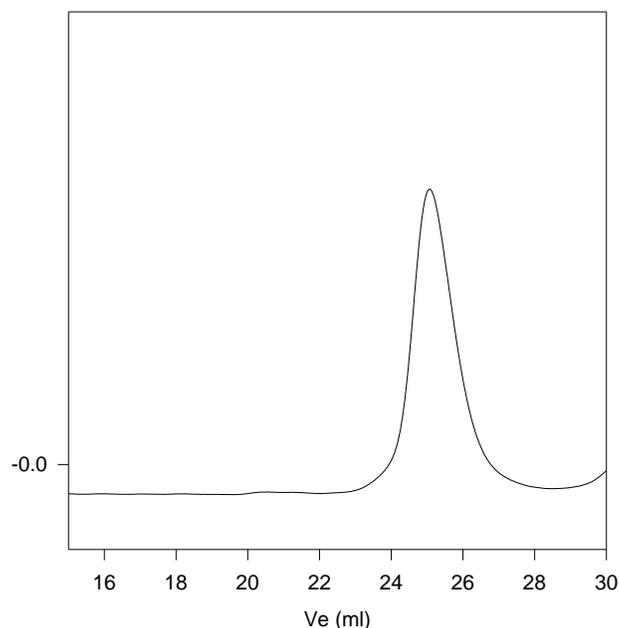
**Solubility:**

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



**SEC of Sample:**

**P18328A-EGNH2OH**



Size Exclusion Chromatography of  
Mono amino mono hydroxy terminated polyethylene glycol  
— Mn: 6,000 Mw: 6,500 Mw/Mn 1.10

**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.