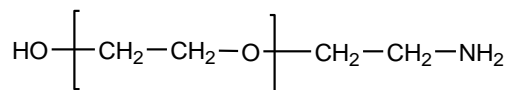


Sample Name:
 α -amino ω -hydroxyl Terminated
Poly(ethylene glycol)

Sample: P18273-EGNH2OH

Structure:



Composition:

Mn x 10 ³	PDI	NH2 functionality
8.0	1.15	> 99%

Synthesis Procedure:

α -Amino ω -hydroxyl terminated poly(ethylene glycol) was synthesized by proprietary method.

¹Please call us if you would like to know more.

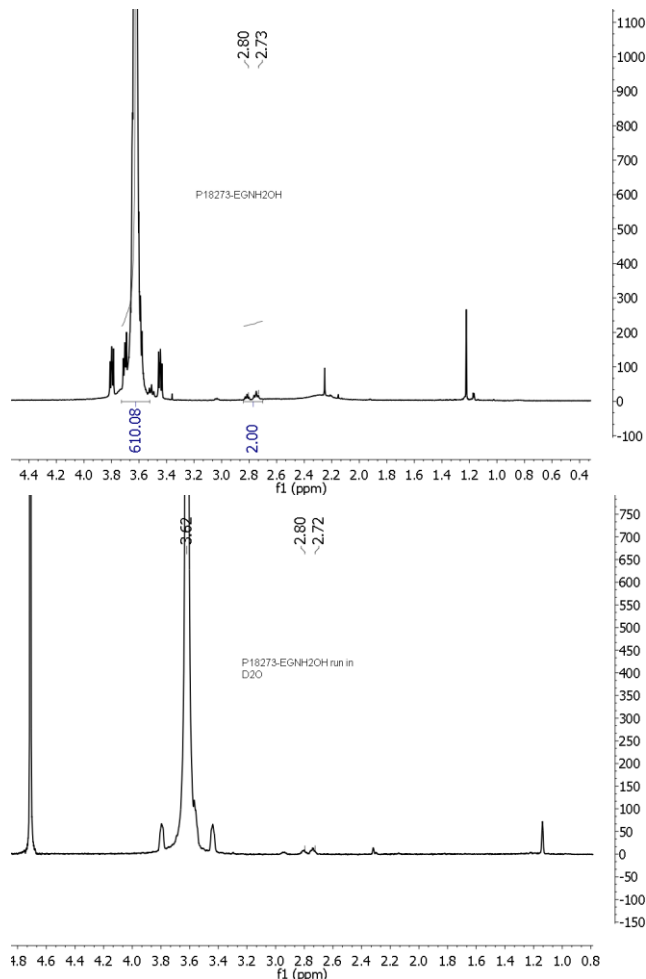
Characterization:

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.

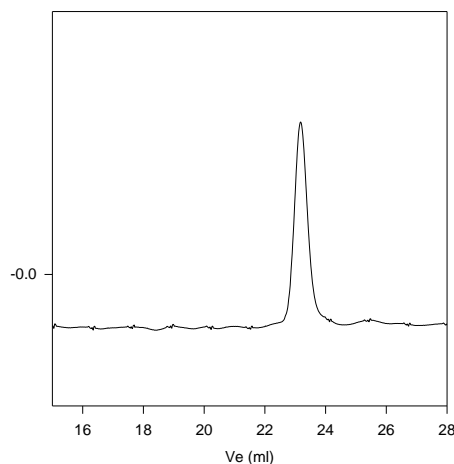
Solubility:

Polymer is soluble in water, methanol and ethanol, THF, CHCl₃. It is precipitated out from cold ethanol, isopropanol, hexane and ether.



SEC of Sample:

P18273-EGOCH3NH2



Size exclusion chromatograph of α , methoxy ω amino terminated poly(ethylene glycol):
M_n=8,000, M_w=9,500, PI=1.15 intrinsic viscosity 0.192 dl/g in THF at 30 °C
Amino functionality > 99%.

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.