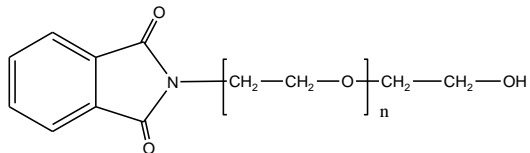


Sample Name:

α - Phthalimidyl end functionalized Poly(ethylene glycol)

Sample #: **P40570-Phthlm-EG**

Structure:



Composition:

$M_n \times 10^3$	PDI
6.5	1.10
Phthalimide End group functionality	>99%

Synthesis Procedure:

The polymer was synthesized by anionic polymerization process.

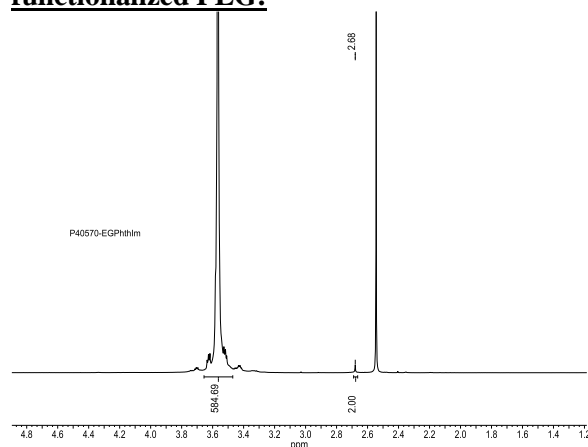
Characterization:

Polymer was analyzed by size exclusion chromatography (SEC) to obtain the molecular weight and polydispersity index (PDI). The end functionality was calculated from $^1\text{H-NMR}$ spectroscopy.

Solubility:

Functionalized poly(ethylene oxide) is soluble in CHCl_3 , THF, and precipitated out from cold diethyl ether.

$^1\text{H-NMR}$ spectrum of α -Phthalamide end functionalized PEG:



SEC elugram of the polymer:

P40570- EG-Phthlm

