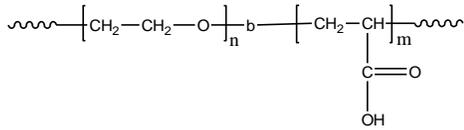


Sample Name: Poly (ethylene oxide -b- acrylic acid)

Sample #: P41523-EOAA

Structure:



Composition:

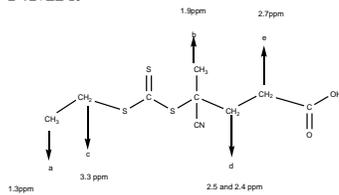
Mn x 10 ³ PEO-b-PAA	PDI
14.0-b-13.0	1.33

Synthesis:

The polymer was synthesized by RAFT polymerization process.

Characterization:

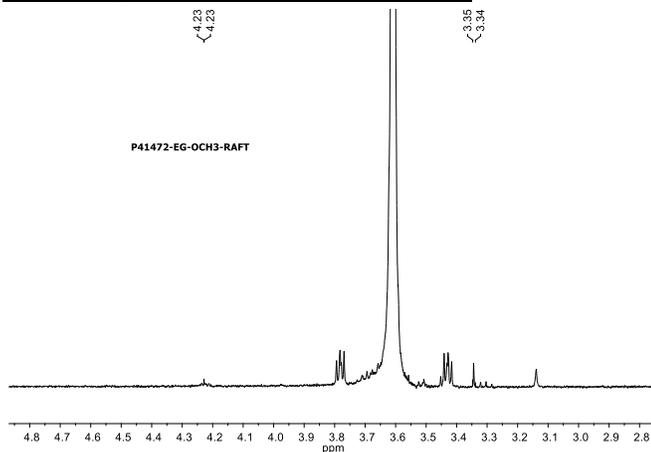
The structure of product was characterized and confirmed by ¹H NMR and GPC. PEO bearing RAFT functionality was characterized by NMR.



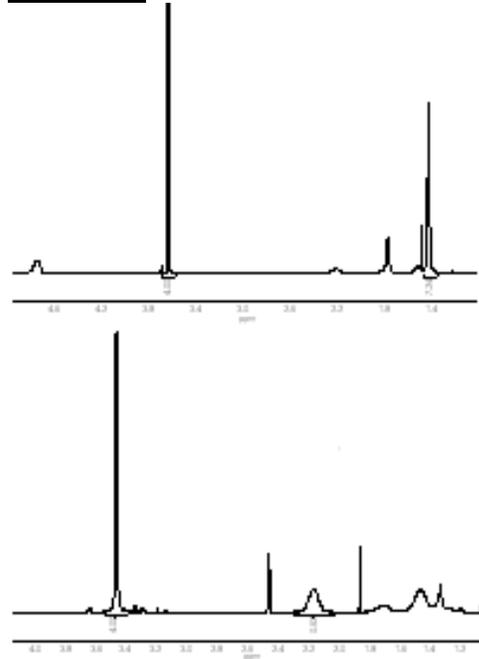
Composition:

Formula	C ₉ H ₁₃ NO ₂ S ₃
Mw	263.40
Purity	> 90%

¹H NMR spectrum of the PEG-RAFT:



¹H-NMR Spectrum of the block copolymer before hydrolysis:



SEC of the block copolymer before hydrolysis:

dn/dc	0.0570
Flow	0.7000
Solvent	DMF with LiBr
Method	PSS

