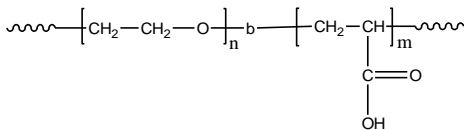


Sample Name: Poly (ethylene oxide -b- acrylic acid)

Sample #: P41522-EOAA

Structure:



Composition:

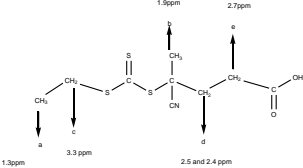
Mn x 10 ³ PEO-b-PAA 14.0-b-9.0	PDI 1.35
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Synthesis:

The polymer was synthesized by RAFT polymerization process.

Characterization:

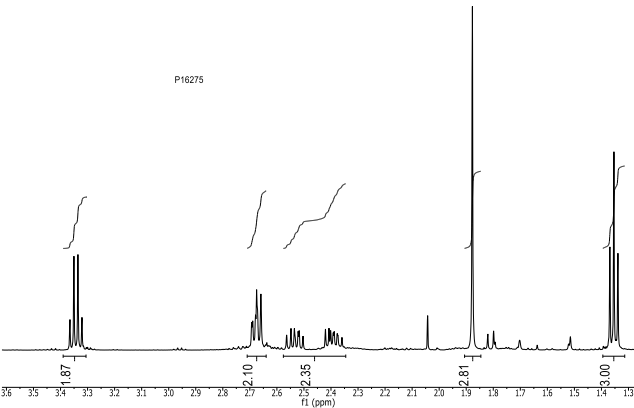
The structure of product was characterized and confirmed by ¹H NMR. PEO bearing RAFT functionality was characterized by NMR.



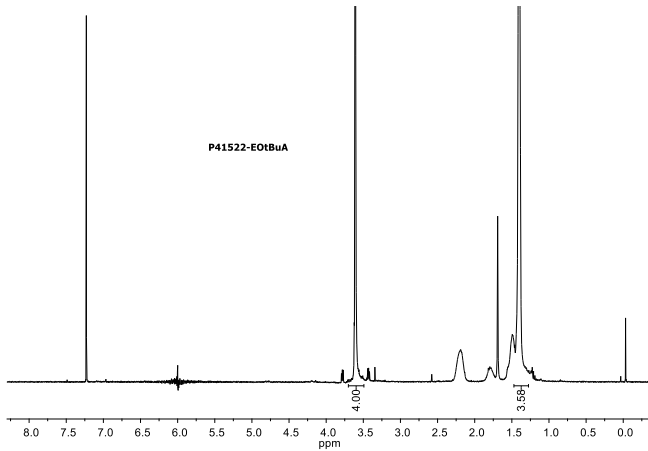
Composition:

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

¹H NMR spectrum of the RAFT-CTA:

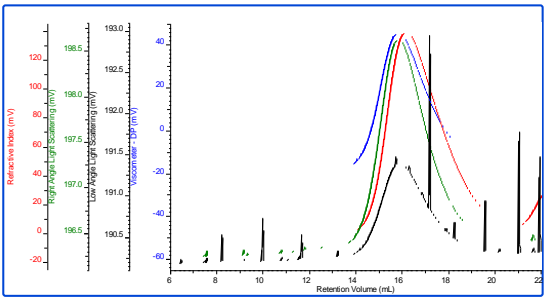


HNMR spectrum of the PEOtBuA:



GPC elugram of RAFT macroinitiator lot# P41469:
P41469-EO-RAFT

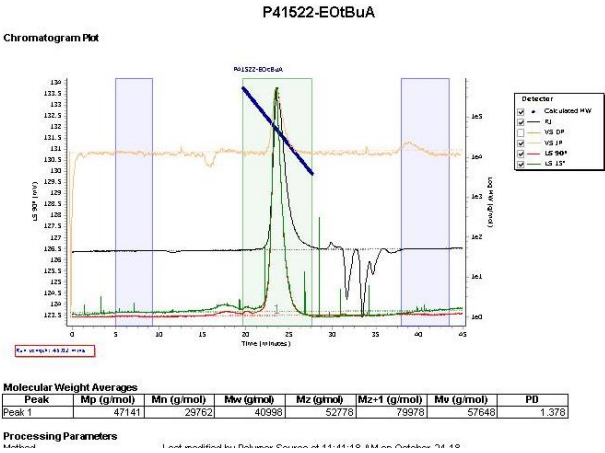
dn/dc	0.0490
Flow	0.7000
Solvent	DMF with LiBr
Method	PSS



Sample	Mn	Mw	Mz	IV	Mw/Mn
P41469_1_2018-11-1	13,736	17,294	24,131	0.3259	1.259

GPC elugram of the PEOtBuA:

Agilent GPC/SEC Software



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mw (g/mol)	PD
Peak 1	47141	28782	40988	52778	79978	57648	1.378

Processing Parameters

1 and modified by Reference Process of 14-11-10 0.34 m, P41522-EOtBuA