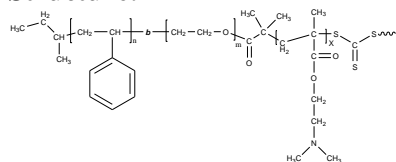


**Sample Name:** Poly(styrene-b-ethylene oxide-N,N-dimethyl amino ethyl methacrylate)

**Sample #:** P41688-SEODMAEMA

**Structure:**

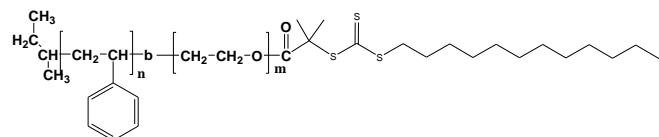


**Composition:**

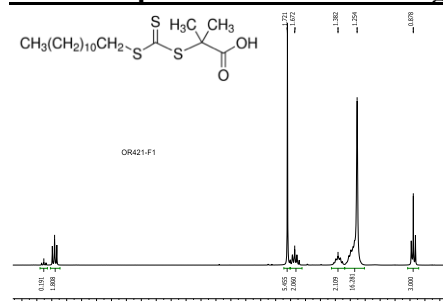
Mn x 10 <sup>3</sup> S-b-EO-b-DMAEMA	Mw/Mn (PDI)
10.0-b-11.5-b-3.5	1.3
T <sub>g</sub> for PS block: 80°C	T <sub>g</sub> for DMAEMA block: Not distinct

**Synthesis Procedure:**

The polymer was synthesized by RAFT polymerization process using following macroinitiator (lot# P41521).



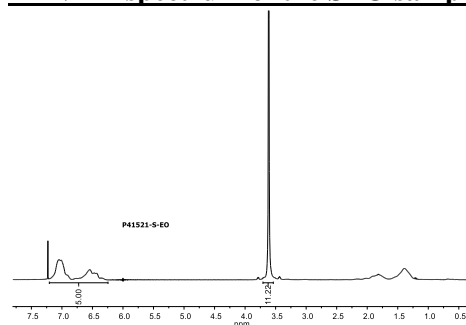
**<sup>1</sup>H NMR spectrum of the Raft reagent:**



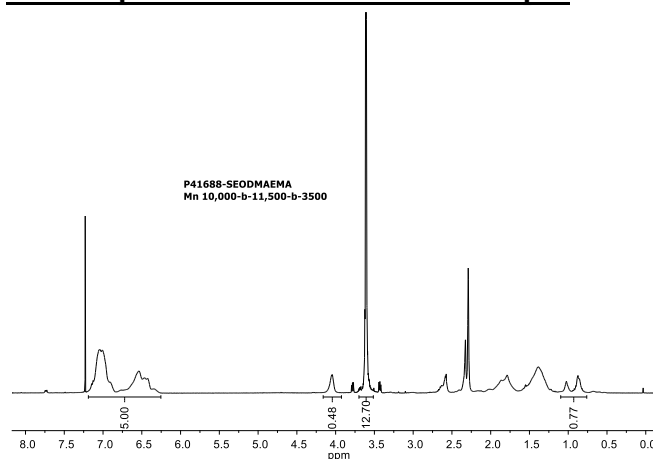
**Characterization:**

The product was characterized by size exclusion chromatography (SEC) and <sup>1</sup>H NMR.

**<sup>1</sup>H NMR spectrum of the SEO sample:**

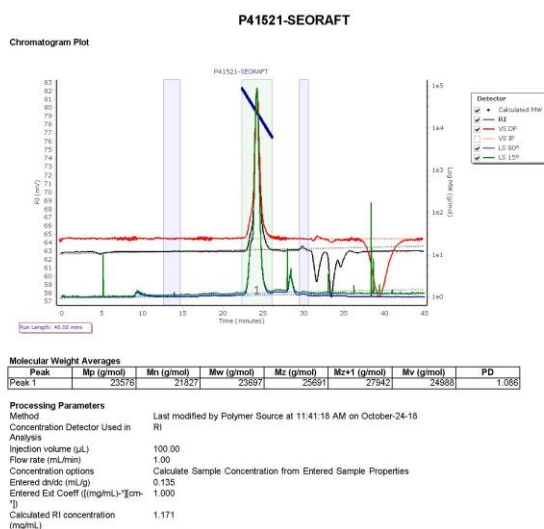


**HNMR spectrum of SEODMAEMA Sample:**



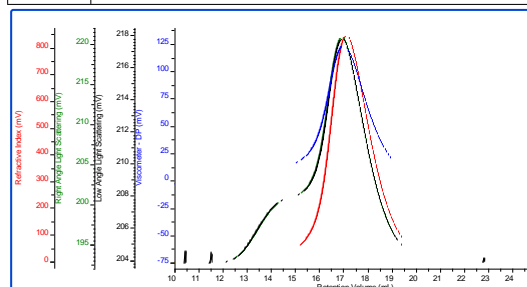
**SEC profile of the SEO Sample:**

Agilent GPC/SEC Software



**SEC profile of the SEODMAEMA Sample:**  
P41688-SEODMAEMA

dn/dc	0.0760
Flow	0.7000
Solvent	DMF with LiBr
Method	PSS column-PMMA60K-Jan3-2019-0002.vcm



Sample	Mn	Mw	Mz	IV	Mw/Mn
P41688_1_20	26,402	34,472	108,144	0.2017	1.306