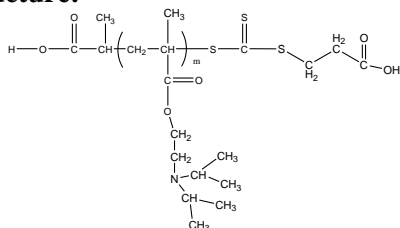


Sample Name: Poly(N-N-diisopropyl aminoethyl methacrylate)

Sample #: P40851A-DIPAEMA

Structure:



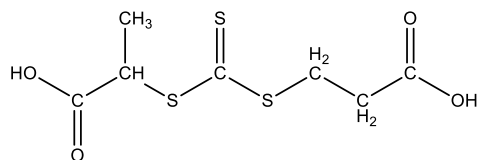
Composition:

Mn x 10 ³	PDI
318.0	1.15

Synthesis:

The polymer was synthesized by RAFT using following RAFT reagent.

Structure:



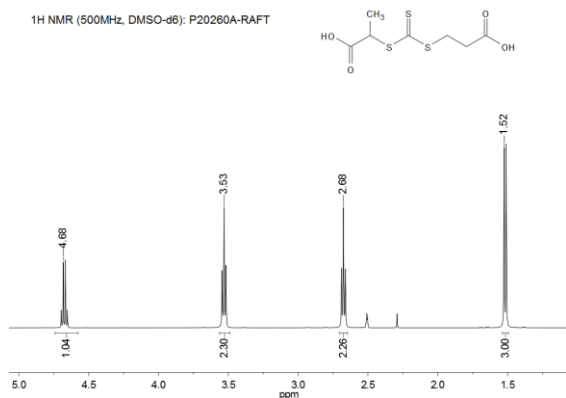
Chemical Formula: C₇H₁₀O₄S₃
Molecular Weight: 254.3

Purity:	> 95 %
Storage temperature:	2–8°C

Characterization:

The chemical structure of the product was confirmed by FT-IR and ¹H NMR.

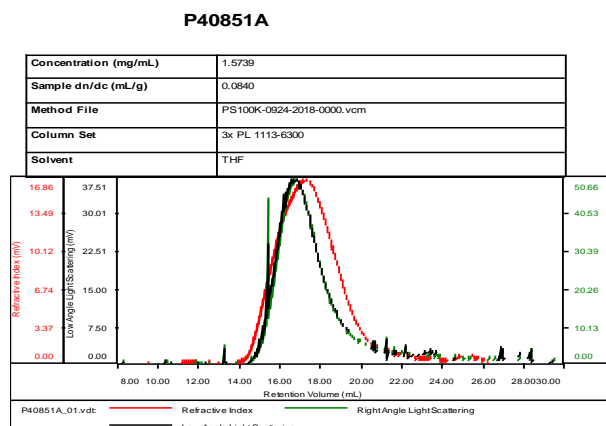
¹H NMR (500 MHz, DMSO-d₆):



Characterization:

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

SEC elugram of Homopolymer:



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P40851A_01.vdt	318,377	365,895	1.149	1.5361	436,557