

Electronic Supplementary Information (ESI)

Utilization of CO₂-Captured Poly(allylamine) as a Polymer Surfactant for Nanoarchitecture Production in a Closed CO₂ Cycle

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Content:

Supplementary Fig. S1: ¹³C NMR of the CA-captured PAA and ammonium bicarbonate.

Supplementary Fig. S2: Variation in G₁(τ) with time for the polymer solutions.

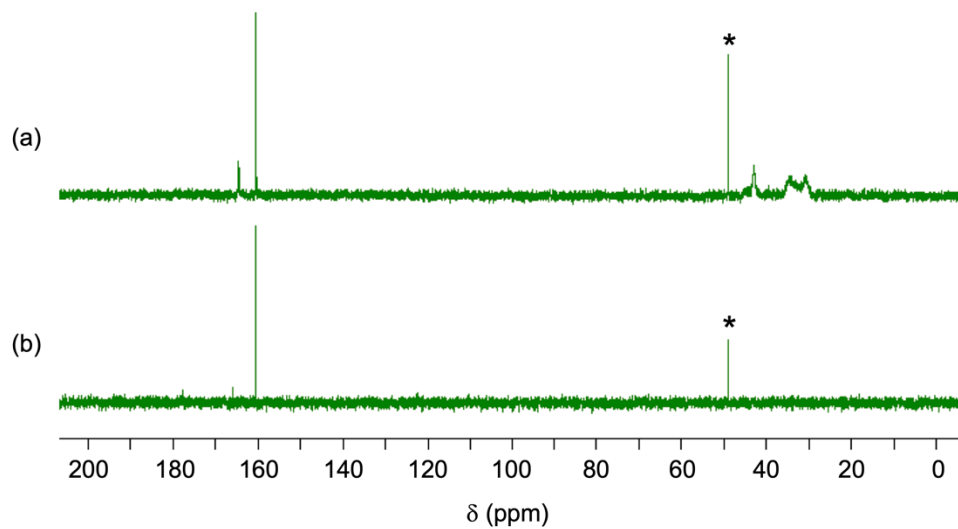


Fig. S1. ¹³C NMR spectra of (a) the CA-captured PAA with $M_w = 15,000$ and (b) ammonium bicarbonate (NH_4HCO_3). Solvent: D_2O . * CH_3OH standard

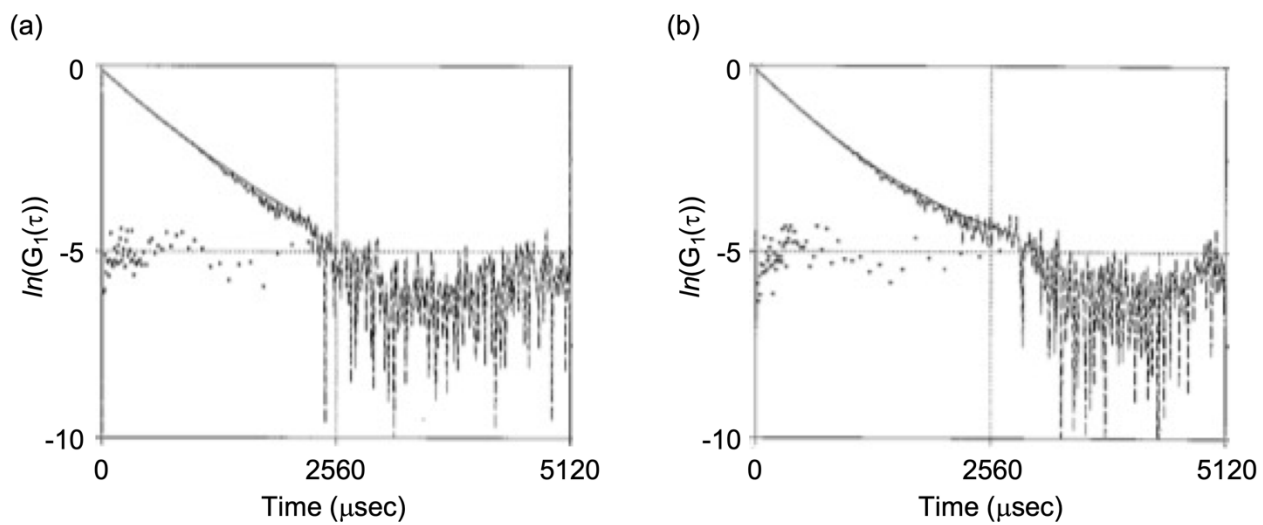


Fig. S2. Variation in $G_1(\tau)$ with time for the PAA solution. (a) $M_w = 5,000$ and (b) 1,600. SDS/AA = 0.5. $[AA]_0 = 3.59 \times 10^{-3}$ mol/L