Supporting Information

Rate Enhanced Nitroxide-Mediated Miniemulsion Polymerization: Effect of Nitroxide Water Solubility

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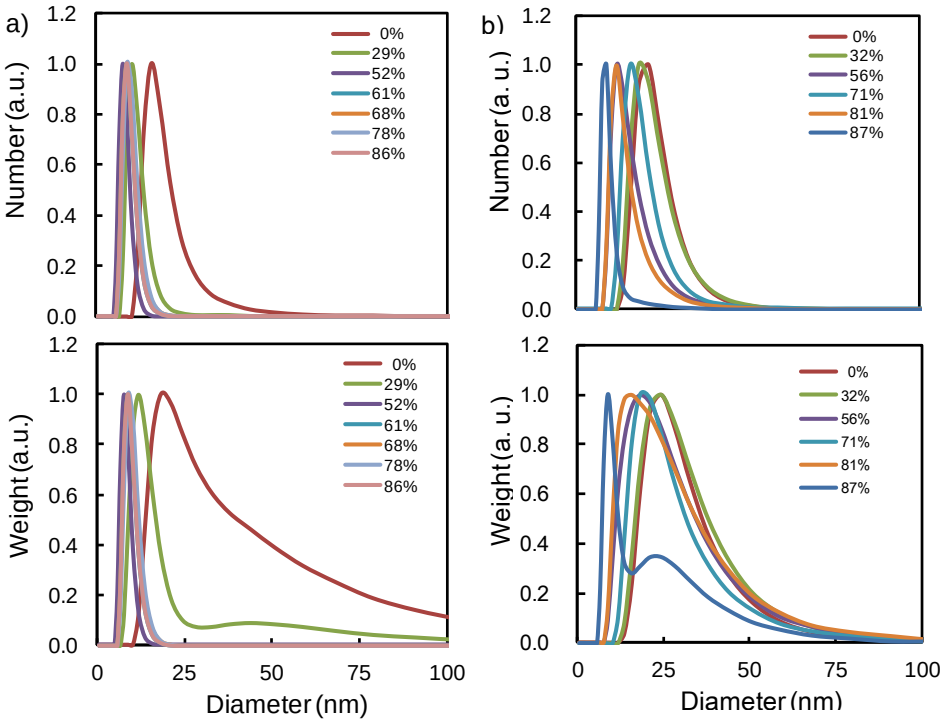

Figure S1. Particle size distributions based on number and weight at different conversions for TEMPO-based NMP of St in miniemulsion at 130 °C using *in situ* generation of potassium oleate ((a) 120 and (b) 100 wt% OA rel. to St) (full recipes in Table 1).

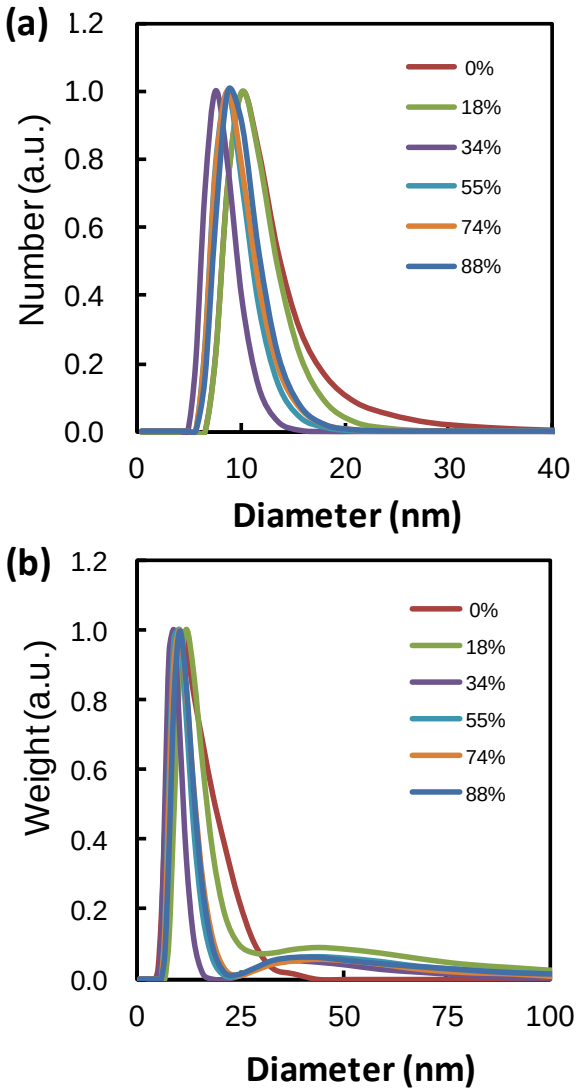

Figure S2. Particle size distributions based on (a) number and (b) weight at different conversions for 4-stearoyl-TEMPO-based NMP of St in miniemulsion at 130 °C using *in situ* generation of potassium oleate (120 wt% OA rel. to St; full recipes in Table 1).

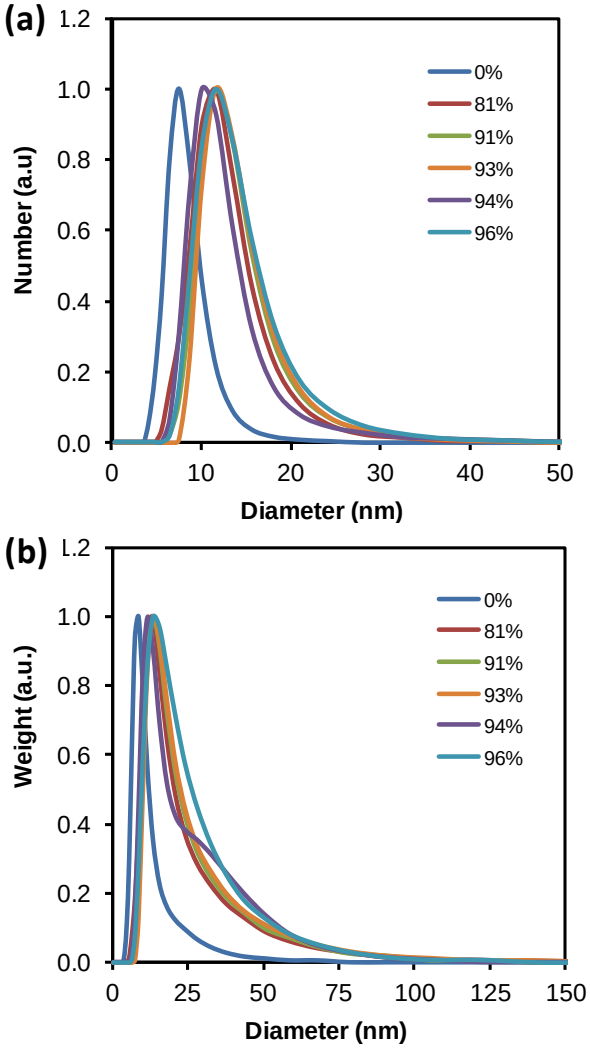

Figure S3. Particle size distributions based on (a) number and (b) weight at different conversions for 4-OH-TEMPO-based NMP of St in miniemulsion at 130 °C using *in situ* generation of potassium oleate (120 wt% OA rel. to St; full recipes in Table 1).