

Supplementary Information

Anion Amphiphilic Random Copolymers and their Performance as Stabilizers for O/W Nanoemulsions

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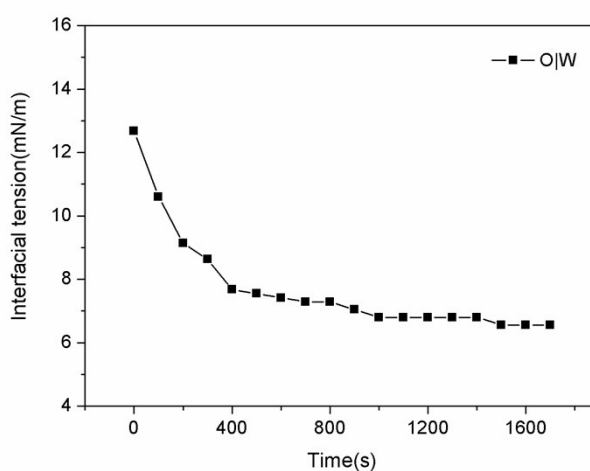


Fig. S1 Interfacial tension of crude oil/ water as a function of time at 45 °C

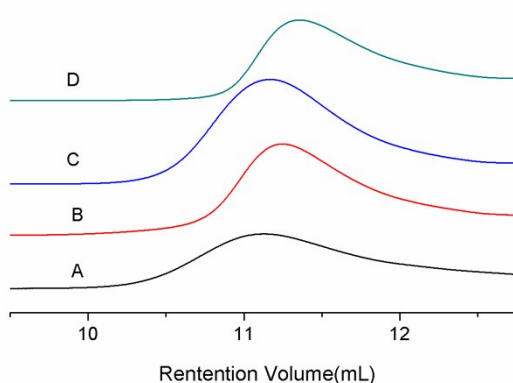


Fig.S2 GPC curves of p (SSS) -ran-p (LMA) amphiphilic random copolymers in water.
(A)SL57, (B) SL33, (C) SL75,(D) SL42

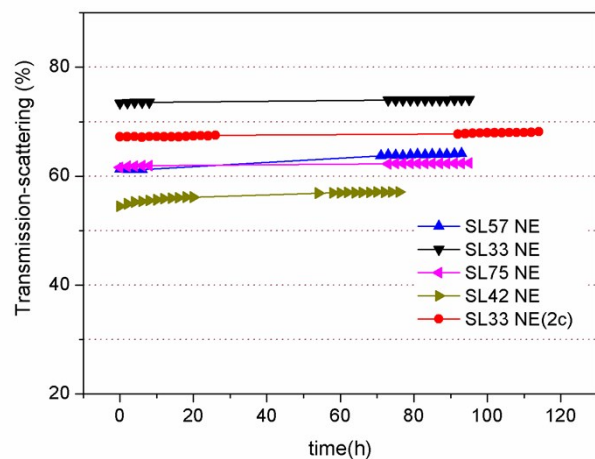


Fig. S3 Transmission-scattering (%T) of nanoemulsions as a function of time

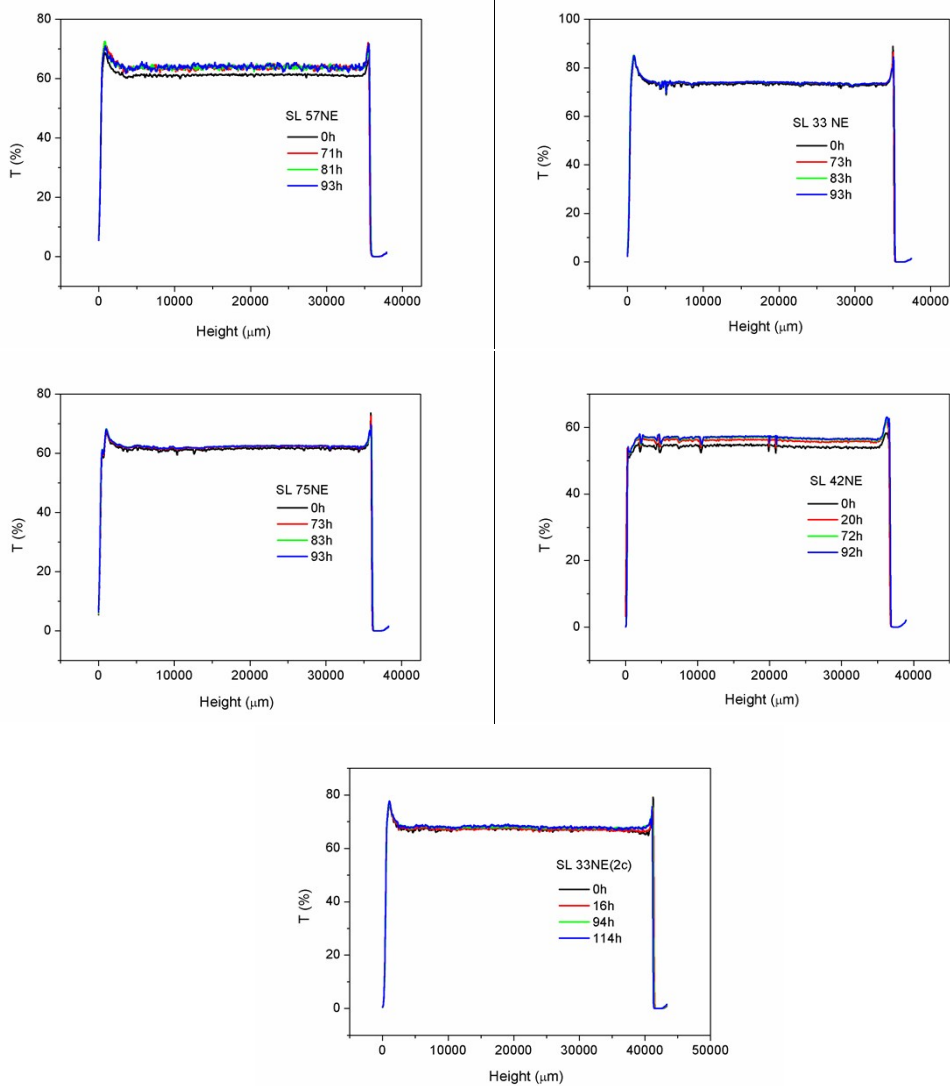


Fig. S4 Transmission-scattering (%T) profiles of nanoemulsions as a function of time and tube length

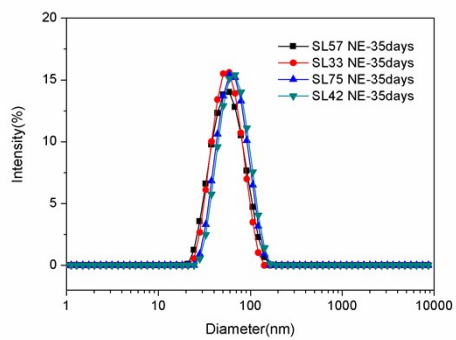


Fig. S5 Diameter of nanoemulsions storage for 35days

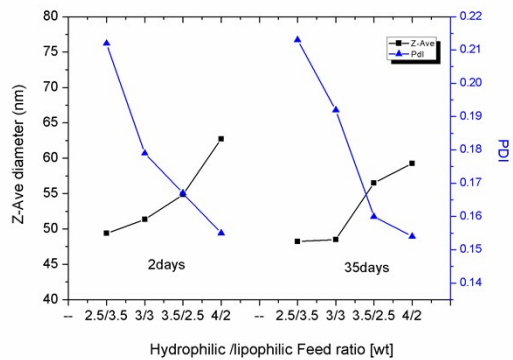


Fig. S6 Comparison of Z-Ave diameter and polydispersity index(PID) of nanoemulsion storage for 2days and 35days