

Supporting Information

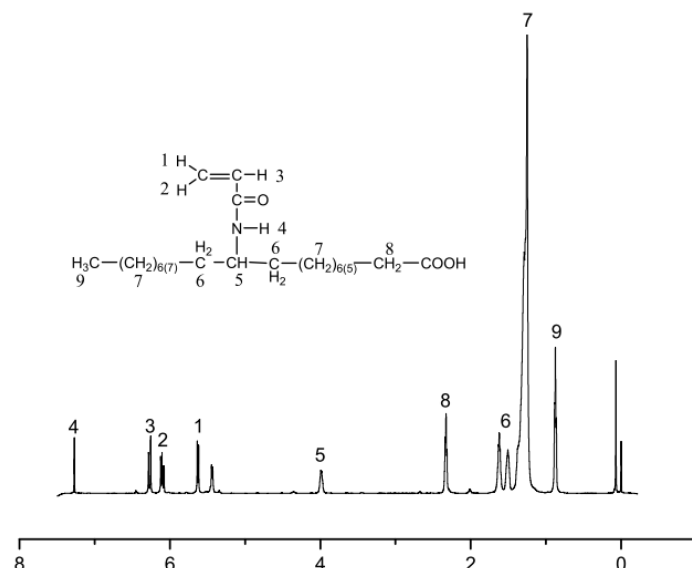


Figure S1. ^1H -NMR spectrum of AAS (CDCl_3 , δ : ppm): 7.20 ($-\text{NH}-$), 6.11 and 5.62 ($-\text{CH}=\text{CH}_2$), 6.45 ($-\text{CH}=\text{CH}_2$), 1.28 ($-(\text{CH}_2)_{6(5)}-$) and ($-(\text{CH}_2)_{6(7)}-$), 3.98 ($-\text{CH}-$), 0.89 ($-\text{CH}_3$). The Double bond content is about 98%, which is calculated by NMR using the peak areas ratio of the protons of double bond at 6.11 - 5.62 vs the protons of ($-(\text{CH}_2)_{6(5)}-$) and ($-(\text{CH}_2)_{6(7)}-$) at 1.28 and then multiplying by a factor of 6 .

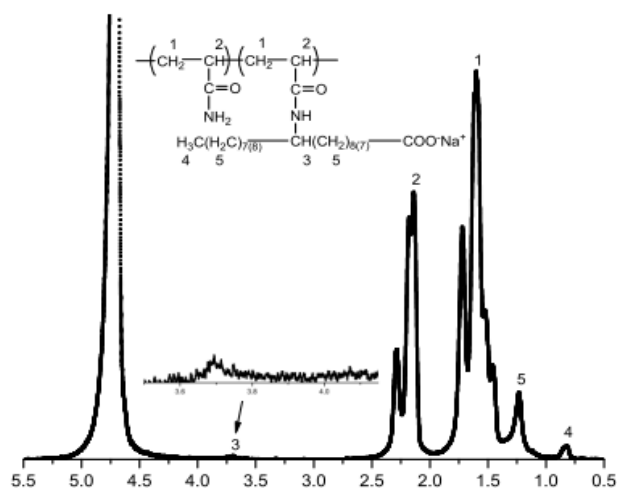


Figure S2. ^1H -NMR spectrum of copolymer containing NaAAS.

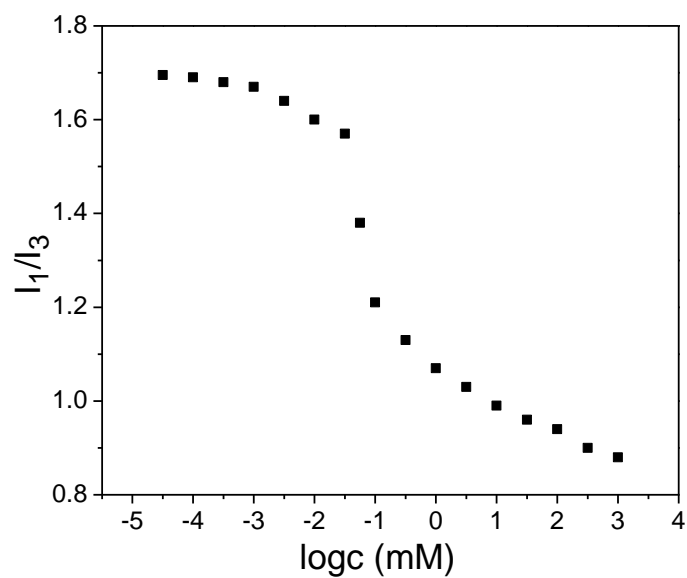


Figure S2. I_1/I_3 and conductivity vs concentration of nonionic surfmer NaAAS in aqueous solution ($T = 25\text{ }^{\circ}\text{C}$).

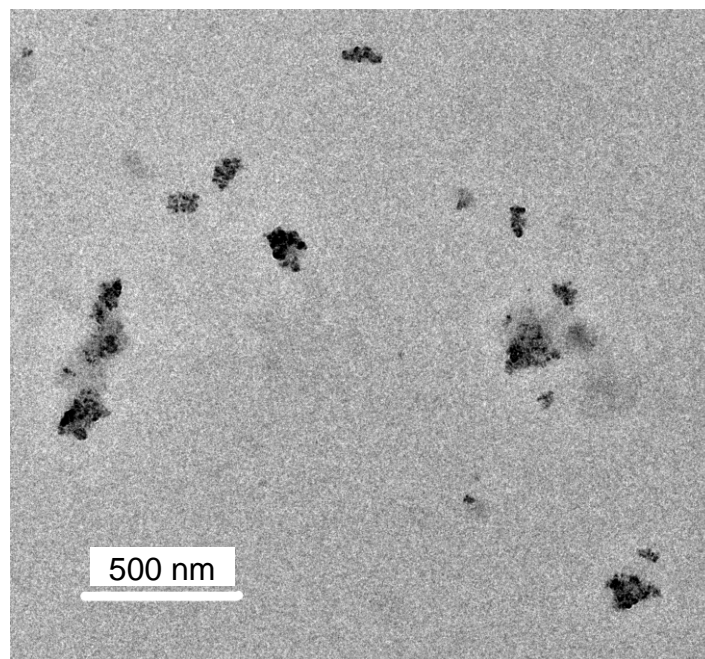


Figure S4. TEM image of micelle aggregates