

## Supplementary Information

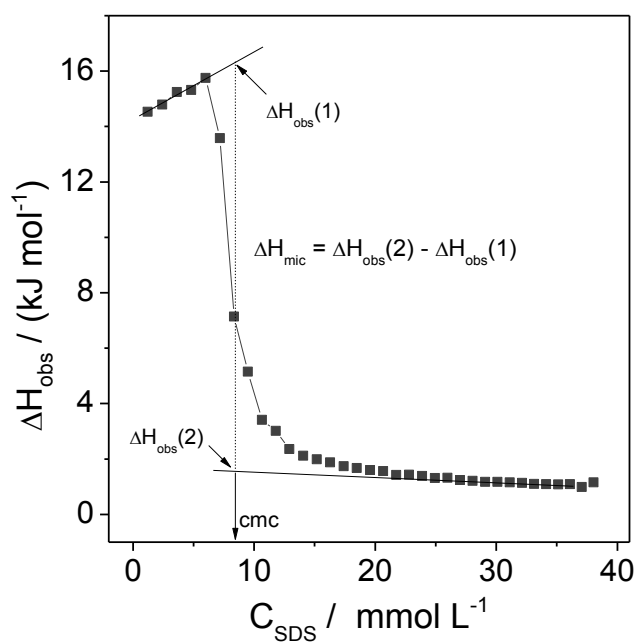
### Effect of Acetonitrile and *N,N*-Dimethylformamide on the Formation of Poly(ethylene oxide)-Sodium Alkyl Sulfate Aggregates

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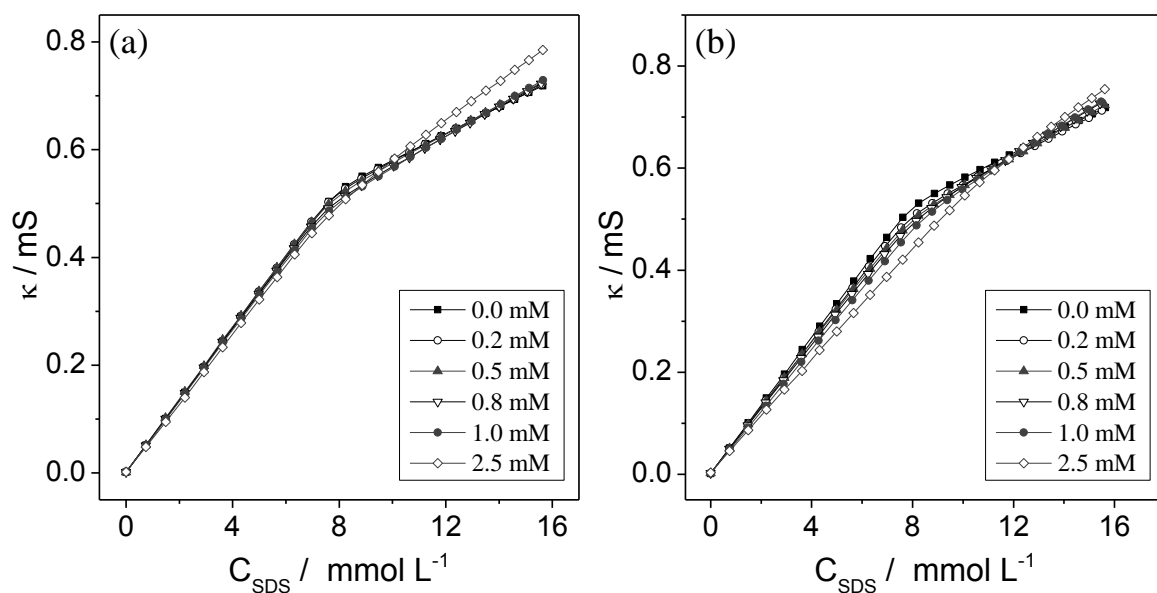
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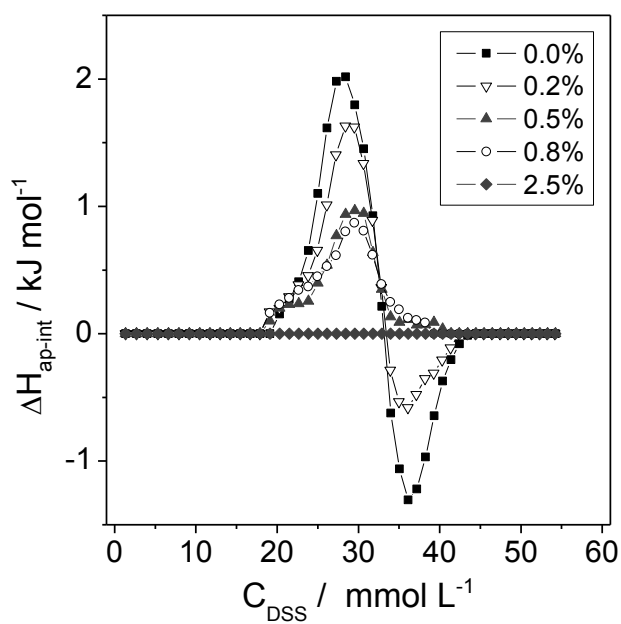


**Figure S1.** Determination of  $\Delta H_{\text{mic}}^0$  from calorimetric curve of SDS dilution. SDS dilution in 2.5 mol% AN was chosen as example.

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**Figure S2.** Conductimetric titration of SDS aqueous solutions in different concentrations of (a) AN and (b) DMF, at 298.2 K.



**Figure S3.** Apparent molar enthalpy change *versus* DSS concentration curve for the interaction between DSS and PEO in different DMF/water mixtures.