Supplementary information on JSD-17-0120, “Thermodynamic characterization of temperature- and composition-dependent mixed micelle formation in aqueous medium”

Authors: Ádám Juhász, Réka Tabajdi, Imre Dékány and Edit Csapó

Figure S1. General structure of the investigated nonionic surfactants.

Nonylphenol ethoxylate, generalised formula
n: number of ethylene oxo units
Lutensol AP9 : n = 9, nonaethylene glycol mono(octylphenyl)ether
Lutensol AP20: n = 20, icosaethylene glycol mono(octylphenyl) ether
Figure S2. CMC values as a function of temperature at different AP9 mole fraction (α) from surface tension measurements. The dashed grey lines represent the appropriate calculated CMC values using IST [equation (13)].
Figure S3. $\Delta_{\text{mic}}H$ of micelle formation as a function of temperature and composition ($\alpha_1$).