Supplementary Material

Rheological Behavior of Aqueous Solutions of an Ionic Liquid as a Surfactant

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1. Curves of apparent viscosity (η) versus shear rate ($\dot{\gamma}$) as a function of NaSal concentration (as denoted) for $C_{14mimBr}$ solution at different concentrations (a) 50 $\text{mmol}\cdot\text{kg}^{-1}$, (b) 70 $\text{mmol}\cdot\text{kg}^{-1}$ and (c) 150 $\text{mmol}\cdot\text{kg}^{-1}$ at 25°C, respectively.

2. ^1H NMR signals for the $\text{C}_{14}\text{mimBr}$ - NaSal / D_2O systems at the $\text{C}_{14}\text{mimBr}$ concentration of 100 $\text{mmol}\cdot\text{kg}^{-1}$.

3. Curves of apparent viscosity (η) versus shear rate ($\dot{\gamma}$) as a function of $C_{14}\text{mimBr}$ concentration (as denoted) for NaSal solution at $80\text{ mmol}\cdot\text{kg}^{-1}$ at 25°C .