

Studies on Dodecyl Ammonium Chloride (DAC) in The Presence of Ethoxy Ethanol and Glycerol Additives

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Abstract

The micellar behavior of the cationic surfactant dodecylammonium chloride (DAC) was determined in the different concentration of ethoxy ethanol and glycerol in water as well as in pure water at 30° C and also in 0.5 M solution of ethoxy- ethanol and glycerol at different temperature within the range of 30° - 45° C by conductivity and surface tension measurements. Various thermodynamic parameters could be evaluated.

Keywords: DAC, conductivity, surface tension