

Aggregation in a mixture of cetyltrimethylammonium bromide and polyoxyethylene 600 monolaurate solutions

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Abstract

Micellization in the cetyltrimethylammonium bromide (CTAB)-polyoxyethylene 600 monolaurate (PL)-chloroform system is studied with dielcometric titration, NMR self-diffusion (2D DOSY), ¹³C NMR spectroscopy, and light scattering methods. The formation of mixed aggregates of surfactants is established. It is shown that CTAB and PL polar moieties interact in the inverse micelle core in the vicinity of PL carbonyl group. © Pleiadas Publishing, Inc., 2006.

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