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## **Binding of protonated forms of o-phenylenediamine and some other cations with the micelles of sodium dodecyl sulfate according to data from pH measurements**

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### **Abstract**

Binding of the protonated forms of o-phenylenediamine (oPn) with micelles in aqueous solutions of sodium dodecyl sulfate (SDS) was studied by potentiometric titration. The dependences of the apparent protonization constant ( $\log K_1^{\text{app}}$ ) for oPn on the content of surfactants and some ions ( $\text{Na}^+$ ,  $\text{NH}_4^+$ , and  $\text{Me}_4\text{N}^+$ ) were revealed. The micellar binding constants for the cations studied were obtained for the first time by computer simulation. The approach proposed is applicable for any other ions and surfactants. © 1996 MAK Haya/Interperiodica Publishing.

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