

Turkish Journal of Chemistry

Turkish Journal

of
Chemistry

The Role of the Entropy Factor on the Adsorption of an Optical Brightener on Pulp

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Abstract: The present paper reports results of the thermodynamic study of adsorption of 2 optical brighteners (Tinopal UP and Leucophor AP) on pulp. The entropy non-homogeneity of the pulp surface was confirmed and the coefficients of entropy non-homogeneity were determined. The entropy effect on the variation of Gibbs free energy of the process studied was followed.

Key Words: Optical brighteners, pulp, adsorption, entropy non-homogeneity



Turk. J. Chem., **33**, (2009), 241-248.

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