ACOUSTICAL AND THERMODYNAMICAL PROPERTIES OF METHYL GLUCOSIDE AT DIFFERENT CONCENTRATIONS

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Abstract

Molecular Interaction studies in liquids provide vivid information about the structural details of the molecules in solution phenomena. The Cohesive Energy of the Inter& Intra molecular interaction is the best revealed through ultrasonic studies. In the current paper by passing ultrasonic waves through aqueous solution of Methyl Glycoside the Acoustical and related Thermo dynamical parameters are estimated. The study is carried out at different temperatures in order to understand the effect of temperature with the association of molecular phenomena of structure breaking or breaking.

Keywords: Adiabatic Compressibility, Solvated volume, Hydration number, Apparent Molal Compressibility, Isothermal Hydration number.