

Density, Viscosity and Ultrasonic Velocity of Aqueous Hemoglobin Solution in Presence of Different Sugars

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Abstract—*In the present work, the density, viscosity and ultrasonic velocity values of aqueous solutions of hemoglobin in presence of different sugars, viz., D-glucose, D(-)fructose, sucrose and maltose have been measured as functions of concentration of sugars (keeping the concentration of aqueous hemoglobin solution constant) and temperature have been measured and various parameters have been derived for the said system in an attempt to understand the stabilization of hemoglobin in presence of different sugars.*

Keywords: *hemoglobin, sugars, density, viscosity and ultrasonic velocity.*