



## Hydrodynamics of Amino Acids and Peptide at Various Temperatures

By Dhir, Vaneet

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Activation free energies, Thermodynamic activation parameters, Activation enthalpies & Entropies etc. | Hydrodynamics of Proteins model compounds (Glycine, DL-Alanine, DL-Amino-n-butyric acid, L-Valine, L-leucine) & Peptides (Diglycine) in aqueous solutions of various mineral salts (Alkali & Alkaline metal salts) at various temperatures ( $T=288.15-318.15$ )K have been very informative for calculating relative viscosities, interaction parameters, transfer B coefficients, regression parameters, activation free energies, thermodynamic activation parameters, activation enthalpies and entropies etc. The present salts have been selected for study because they are important constituent of biofluids and soil fluids. Sodium / potassium ions are playing a very important role in sodium-potassium ion pump to maintain the blood pressure whereas magnesium is a mineral of primary importance in the body as it aids in the activation of adenosine triphosphate (ATP), the main energy source to carry out various functions of the cell. It also activates several enzymes systems and is important for the synthesis of RNA and DNA. | Format: Paperback | Language/Sprache: english | 172 pp.



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