IMPACT: International Journal of Research in Applied, Natural and Social Sciences (IMPACT: IJRANSS)
ISSN(E): 2321-8851; ISSN(P): 2347-4580
Vol. 2, Issue 3, Mar 2014, 111-116

THE MOLECULAR INTERACTION STUDY OF PYRIDINE WITH LOWER ALCOHOLS AT 303K BY EXCESS ACOUSTIC AND THERMODYNAMIC PARAMETERS

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ABSTRACT

The densities, viscosities and ultrasound velocity of Pyridine with ethanol and n-propanol at 303K have been measured experimentally. The acoustic and thermodynamic parameters viz isentropic compressibility, intermolecular free length, specific acoustic impedance, molar & available volume, viscosity and their excess values have been computed at different composition of both components. The deviation of experimental form ideal values explained in terms of molecular interaction of binary non-aqueous system. The specific molecular interaction have been concluded in the above binary systems.

KEYWORDS: Binary Liquid, Ultrasound Velocity, Alcohol Molecule