

DETERMINATION OF EXCESS MOLAR ENTHALPY OF ANISALDEHYDE + BENZENE COMPOUNDS BY USING DISPLACEMENT CALORIMETER AT 303.15, 313.15 K AND 323.15 K.

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Abstract

The studies on excess enthalpies are being increasingly used as tools for investigation of the properties of pure components and the nature of intermolecular interactions between the liquid mixture constituents. These properties are important from practical and theoretical point of view to understand liquid theory. Excess enthalpies (HE) have been measured for the binary liquid mixture of anisaldehyde + chloro benzene, anisaldehyde+ bromobenzene and anisaldehyde +nitrobenzene over the entire composition range at 303.15K, 313.15 K and 323.15K. The appropriate model was used to correlate the measured property.

Key Words : *Excess enthalpy; anisaldehyde; benzene; binary; model; temperatures.*