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DIFFUSIVITY OF ANISALDEHYDE + CHLOROBENZENE, ANISALDEHYDE + BROMOBENZENE AND ANISALDEHYDE + NITROBENZENE MIXTURES AT 303.15 K, 313.15 K AND 323.15 K.

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Abstract

The knowledge of liquid diffusivity is essential in understanding the mechanism of solute transport in liquid-liquid extraction processes. It plays a vital role in any mass transfer operation for evaluating individual or overall resistance to transfer. Diffusivity have been measured for the binary liquid mixtures of anisaldehyde +chloro benzene, anisaldehyde + bromobenzene and anisaldehyde + nitrobenzene over 0.5mole fraction at 303.15 K, 313.15 K and 323.15K. The appropriate model was used to correlate the measured property. It was found that in all the cases, the experimental data obtained fitted with the values correlated by the corresponding model very well.

Key Words: *Binary, Mixture, Diffusivity, Anisaldehyde, benzene*