

عنوان مقاله:

Measurements and studies on the thermodynamic properties of binary systems of 2-butanol + 2-pentanol at T=298.15 K.

محل انتشار:

سومین همایش ملی فن آوری های نوین شیمی و مهندسی شیمی (سال: 1393)

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خلاصه مقاله:

Density, viscosity and refractive indices ($n(D)$) of binary system of 2-butanol +2-pentanol have been studied at 298.15 K and atmospheric pressure. From the experimental data, the excess molar volumes ($V(E)$), viscosity deviation ($\Delta \eta$), absolute synergies of refractive index deviation ($\Delta n(D)$) and excess Gibbs free energy of activation ($\Delta G(*E)$) have been calculated. These results have been correlated as a function of mole fraction with the Redlich-Kister equation for the binary mixture.

کلمات کلیدی:

Thermodynamic; Excess properties; Binary; 2-butanol; 2-pentanol

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