

عنوان مقاله:

An experimental study of the thermodynamic properties of different binary mixtures

محل انتشار:

سومین کنفرانس علوم و فناوری های شیمی کاربردی: شیمی زمین و شیمی محیط زیست (سال: 1399)

تعداد صفحات اصل مقاله: 8

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خلاصه مقاله:

Interactions between binary mixtures of isobutanol + cyclohexylamine and 2- methylcyclohexanol and aniline were investigated by thermodynamic properties. The densities of the binary mixtures were measured for different mole fractions at temperatures of 293.15, 298.15, 303.15, 308.15 and 313.15 K and atmospheric pressures by experimental. Excess molar volumes were calculated from this data. Excess molar volumes have been negative due to the deviation from the ideal state of the mixtures.

کلمات کلیدی:

Excess Molar Volume, Hydrogen Bonding, Binary Mixtures, Thermodynamic Properties

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