

## عنوان مقاله:

Measurment and correlation of liquid-liquid equilibria of water+2-butanol+2-ethyl-1-hexanol ternary system

## محل انتشار:

هفتمین کنگره ملی مهندسی شیمی (سال: 1390)

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## نویسندگان:

h ghanadzadeh gilani - *Department of Chemical engineering, University of Guilan, Rasht, Iran*

S. S Ashraf - *Department of Chemical engineering, University of Guilan, Rasht, Iran*

b Abbasi - *Department of Chemical engineering, University of Guilan, Rasht, Iran*

m Golpour - *Department of Chemical engineering, University of Guilan, Rasht, Iran*

## خلاصه مقاله:

Liquid-liquid equilibrium data for the (water + 2-butanol + 2-ethyl-1-hexanol) ternary system were determined at  $T = (298.2, \text{ and } 308.2) \text{ K}$  in atmospheric pressure. This ternary system exhibits type- 2 behavior of LLE. Distribution coefficients and separation factors were measured to evaluate the extracting ability of the solvent. The consistency of the experimental tie-line data was determined through the Othmer–Tobias and Bachman equations. The raw experimental data were correlated using NRTL model. The results are very satisfactory, with root mean square deviations below 0.8% between experimental and calculated equilibrium mass fractions

## کلمات کلیدی:

Liquid-liquid equilibrium, Tie-line data, Separation factor , NRTL model

## لینک ثابت مقاله در پایگاه سیویلیکا:

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