

## عنوان مقاله:

Liquid-liquid equilibrium for the ternary system of water + 1-butanol + toluene

## محل انتشار:

سومین کنفرانس تخصصی ترمودینامیک (سال: 1390)

تعداد صفحات اصل مقاله: 6

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## خلاصه مقاله:

Liquid-liquid equilibrium data for the (water + 1-butanol + toluene) ternary system were determined at 293.2 K and atmospheric pressure. The consistency of the experimental tie-line data was determined through the Othmer–Tobias and Bachman equations. The experimental data correlated by the NRTL and UNIQUAC models. Good agreements were obtained with these models. In general, the root-mean-square deviation (RMSD) value from the UNIQUAC model is slightly smaller than that from the NRTL model.

## کلمات کلیدی:

Liquid-liquid equilibrium, 1-butanol, NRTL and UNIQUAC models

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/158823>

