

عنوان مقاله:

The effect of sulphate salts on the salting-out effect and phase separation in aqueous solutions of poly ethylene glycol and sulphate salts at 298.15 and 308.15 K

محل انتشار:

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خلاصه مقاله:

In this manuscript the binodal data of poly(ethylen glycol) PEG2000 + salt ($MgSO_4$, Na_2SO_4 , $(NH_4)_2SO_4$, $Al_2(SO_4)_3$ and $ZnSO_4$) + H_2O systems at $T=298.15$ and $308.15K$ have been studied. Besides the effect of salts and temprature on the binodal curves of the is considered. Finally the salting-out ability of salts onthe polymer has been studied. For sulphate salts, the relative effectiveness of the cations in inducing the phasesegregation in aqueous two-phase systems (ATPSs) follows the Hofmeister series

کلمات کلیدی:

Liquid-Liquid equilibrium, PEG, binodal curves, salting-out, aqueous two-phase systems

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