

液体系中不能进入 2,6-二硝基甲苯结晶区的物系点,而在硫酸体系中则可以进入。这说明,通过换用适当的溶剂,将能改变结晶的组分。

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Phase Diagram of a Tertiary Mixture Composed of 2,4-DNT, 2,6-DNT and Ethanol(Sulphuric Acid)

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Abstract: Phase diagram of a tertiary mixture composed of two solid components (2,4-DNT and 2,6-DNT) and one liquid component(ethanol or sulphuric acid) was first set up by solubility approach. The solubility of both 2,4-DNT and 2,6-DNT in ethanol or sulphuric acid, and the cocrystallizing point of the tertiary mixture were determined. From the experimental results, it is concluded that in order to precipitate more 2,6-DNT, the crystallization process should be carried out at higher temperature for solvent of ethanol, but at lower temperature for solvent of sulphuric acid.

Key words: physical chemistry; 2,6-dinitrotoluene; three compositions system; phase diagram

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