

Phase equilibria in the system Li,K || Br,NO₃

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Keywords: ternary mutual system, Differential Scanning Calorimetry, *t*-*x* diagram, eutectic, melting point.

Abstract

Method of the Differential Scanning Calorimetry (DSC) was used for the first time to study the phase equilibria in the ternary mutual system Li, K || Br, NO₃. The compositions of eutectics (mol. %) Li, K || Br, NO₃: (E₁) LiBr – 32.0%, KBr – 18.0%, LiNO₃ – 50.0% with melting temperature 199 °C; (E₂) LiNO₃ – 24.0%, KNO₃ – 72.0%, KBr – 4.0% with melting temperature 106 °C were defined.