



The effect of ionic liquid and deep eutectic mixture on stability constants of Ni-DTPA complexes

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The purpose of the STMS was to investigate the effect of various sources of the same ligand, namely DTPA anion from Ionic liquid (IL), DTPA from Deep eutectic solvent (DES), and DTPA itself on stability constants of complex Ni(II) and DTPA and better comprehension of complex systems such as those containing Ni(II) and IL/DES. The stability constants of Ni(II)-DTPA complexes were determined using the spectrophotometric method, and based on the experimental results, the stability constants were calculated using the HypSpec program.

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