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SOUBORNÁ PRÁCE/REVIEW

Beraunite group minerals and related phosphates

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Abstract

Basic iron phosphates are a complicated group of minerals, despite their relatively simple chemical composition. In a comprehensive work based on the author's doctoral thesis, the individual mineral phases close to beraunite including ferrobberaunite, zincobberaunite and tvrdýite are characterized. Genetic conditions of formation and the influence of geological environment on the chemical composition were outlined. The work is completed by characteristic data of structurally related phosphate minerals containing the so-called *h*-cluster, i.e. members of the dufrénite and rockbridgeite groups, of the gormanite-souzalite series, lipscombite and barbosalite.

Key words: *phosphates, beraunite, dufrénite, rockbridgeite, gormanite, lipscombite, crystal structure*

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