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Chemismus a klasifikace minerálů skupiny tetraedritu z ložisek v Bolívii

Chemistry and classification of minerals of tetrahedrite group from deposits of Bolivia

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Abstract

The quantitative study of chemical composition of ten samples of the tetrahedrite group minerals from six deposits in Bolivia (Animas - Chocaya, Pulacayo, San Vicente, Machacamarca, Cerro Rico, Oruro) provided new data enabling their detailed classification within this group. The majority of samples are usual members of tetrahedrite group: tennantite-(Zn) (San Vicente, Oruro), tetrahedrite-(Zn) (Animas - Chocaya, Pulacayo, San Vicente, Cerro Rico, Oruro) and tetrahedrite-(Fe) (Pulacayo, Machacamarca, Cerro Rico). The recently redefined members of this group - argentotetrahedrite-(Fe) and kenoargentotetrahedrite-(Fe) were found in samples from Cerro Rico and Animas - Chocaya deposits, respectively. The descriptions and quantitative EPMA data for all studied samples are given in the paper.

Key words: *tetrahedrite-group minerals, chemical composition, electron probe microanalyses, Bolivia*

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