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PŮVODNÍ PRÁCE/ORIGINAL PAPER

Chemismus a klasifikace minerálů skupiny tetraedritu z ložisek v Peru

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

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Abstract

The quantitative study of chemical composition of 42 samples of the tetrahedrite group minerals from 16 deposits in Peru provided new data enabling their detailed classification within this group. The majority of samples are usual members of tetrahedrite group: tennantite-(Zn) (Casapalca, Castrovirreyna, Huanzala, Mundo Nuevo, Palomo, Pasto Bueno, Quiruvilca, Huarón, Morococha), tetrahedrite-(Zn) (Huachocolpa, Julcani, Palomo, Pasto Bueno, San Genaro), tetrahedrite-(Fe) (Julcani, Mercedes, Quiruvilca) and tennantite-(Fe) (Milpo, Pachapaqui, Huampar, Huanzala, Quiruvilca). The recently approved new member of this group tennantite-(Cu) was found in two samples from the Julcani ore district. At sample from the San Genero mine, recently approved argentotetrahedrite-(Zn) and an unnamed new member „*argentotennantite-(Fe)*“ were determined.

Key words: tetrahedrite-group minerals, chemical composition, electron probe microanalyses, tennantite-(Cu), argentotetrahedrite-(Zn), „*argentotennantite-(Fe)*“, Peru

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