

<https://doi.org/10.46861/bmp.28.161>

PŮVODNÍ PRÁCE/ORIGINAL PAPER

Mn-nabohacené tetraedrity z rumunských ložisek Cavnic, Botești a Săcărâmb

Mn-enriched tetrahedrites from Romanian deposits Cavnic, Botești and Săcărâmb

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VELEBIL D, SEJKORA J, DOLNÍČEK Z (2020) Mn-nabohacené tetraedrity z rumunských ložisek Cavnic, Botești a Săcărâmb. Bull Mineral Petrolog 28(1): 161-169 ISSN 2570-7337

Abstract

Eight samples of members of tetrahedrite group from Romanian deposits were examined in terms of their chemical composition studied by means of electron microprobe; five samples from Cavnic, two from Botești and one from Săcărâmb. Mean composition of all samples is corresponding to tetrahedrite-(Zn) and most of them contain Mn. The three Cavnic tetrahedrites contain up to 0.17 *apfu*, the two Botești samples contain up to 0.42 *apfu* and the Săcărâmb sample up to 0.83 *apfu* Mn. Pb and Sn were present at levels up to 0.01 *apfu* but entering of Pb and Sn into the crystal structure of tetrahedrite group minerals is questionable. Though the significant presence of Te is characteristic for the Botești and Săcărâmb deposits, the studied tetrahedrites from these deposits are virtually Te-free (only locally contents of Te up to 0.05 *apfu* were detected in one sample).

Key words: *tetrahedrite, chemical composition, manganese, Cavnic, Botești, Săcărâmb, Romania*

Obdrženo 15. 4. 2020; přijato 5. 6. 2020