

<https://doi.org/10.46861/bmp.29.249>

PŮVODNÍ PRÁCE/ORIGINAL PAPER

Výrazně zonální tetraedrit-tennantit z Kramolína, rudní revír Michalovy Hory (Česká republika)

Significantly zonal tetrahedrite-tennantite from Kramolín, Michalovy Hory ore district (Czech Republic)

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VRTIŠKA L, SEJKORA J (2021) Výrazně zonální tetraedrit-tennantit z Kramolína, rudní revír Michalovy Hory (Česká republika). Bull Mineral Petrolog 29(2): 249-254 ISSN 2570-7337

Abstract

The crystals of significantly zonal tetrahedrite-tennantite were found in the mine dump material of the Grubenwall 42 mine, Kramolín, the Michalovy Hory ore district, western Bohemia (Czech Republic). Tetrahedrite-tennantite forms layer of tetrahedral, partly corroded crystals up to 1 mm in size on a crust of crystalline quartz in association with chalcocopyrite and cerussite. Individual zones in oscillatory zoned crystals are represented by three members of tetrahedrite group minerals - tetrahedrite-(Zn), tennantite-(Zn) and rare tennantite-(Fe). The observed range of AsSb_{-1} substitution is unusual within a single crystal and indicates high variability of the As/Sb ratio in the hydrothermal fluids.

Key words: *tetrahedrite group minerals, tetrahedrite-(Zn), tennantite-(Zn), tennantite-(Fe) chemical composition, Kramolín, Michalovy Hory ore district, Czech Republic*

Obdrženo 1. 9. 2021; přijato 6. 11. 2021