

<https://doi.org/10.46861/bmp.29.197>

PŮVODNÍ PRÁCE/ORIGINAL PAPER

Cu(-Ag) mineralizace z Tismic u Českého Brodu (perm blanické brázdy, Česká republika)

Cu(-Ag) mineralization from Tismice near Český Brod
(Permian of the Blanice Furrow, Czech Republic)

ZDENĚK DOLNÍČEK^{1)*}, NAĎA PROFANTOVÁ²⁾ A JANA ULMANOVÁ¹⁾

¹⁾Mineralogicko-petrologické oddělení, Národní muzeum, Cirkusová 1740, 193 00 Praha 9 - Horní Počernice;

*e-mail: zdenek.dolnicek@nm.cz,

²⁾Archeologický ústav AV ČR, v.v.i., Letenská 4, 118 01 Praha 1

DOLNÍČEK Z, PROFANTOVÁ N, ULMANOVÁ J (2021) Cu(-Ag) mineralizace z Tismic u Českého Brodu (perm blanické brázdy, Česká republika). Bull Mineral Petrolog 29(2): 197-203 ISSN 2570-7337

Abstract

A mineralogical study of samples newly collected from dump material at the formerly mined locality Tismice near Český Brod (central Bohemia) revealed the presence of covellite/yarrowite, acanthite, malachite and azurite. In addition, psammitic to aleuritic detrital material originated from host Permian sandstones/arkoses is a common compound of the studied ore samples. The Cu carbonates clearly prevail among ore minerals, whereas sulphide phases are accessories. The silver-enriched covellite/yarrowite, strongly replaced by malachite and azurite, has a coarse-grained texture implying that its primary hydrothermal or late hydrothermal origin cannot be excluded. The other recorded ore minerals are clearly supergene in origin. Although the nature of the mineralization from Tismice is in general similar to other occurrences of epigenetic vein Cu mineralization hosted by the Permian sediments in the vicinity of the town of Český Brod, the enrichment in silver is reported for the first time here.

Key words: Cu(-Ag) mineralization, covellite, yarrowite, acanthite, malachite, azurite, Tismice, Bohemian Massif

Obdrženo 19. 8. 2021; přijato 4. 11. 2021