

<https://doi.org/10.46861/bmp.31.217>

PŮVODNÍ PRÁCE/ORIGINAL PAPER

New data on sulfosalts from the hydrothermal siderite-type veins in the Spišsko-gemerské rudohorie Mts. (eastern Slovakia): 5. Minerals of the kobellite-tintinaite series from the Majerská dolina ore occurrence near Čučma

MARTIN ŠTEVKO^{1,2}* AND JIŘÍ SEJKORA²

¹Earth Science Institute, v.v.i., Slovak Academy of Sciences, Dúbravská cesta 9, 840 05 Bratislava, Slovak Republic; *e-mail: martin.stevko@savba.sk

²Department of Mineralogy and Petrology, National Museum, Cirkusová 1740, 193 00 Praha 9 - Horní Počernice, Czech Republic

ŠTEVKO M, SEJKORA J (2023) New data on sulfosalts from the hydrothermal siderite-type veins in the Spišsko-gemerské rudohorie Mts. (eastern Slovakia): 5. Minerals of the kobellite-tintinaite series from the Majerská dolina ore occurrence near Čučma. Bull Mineral Petrolog 31(2): 217-222 ISSN 2570-7337

Abstract

A new occurrence of minerals of the kobellite-tintinaite series was recently discovered at the Majerská dolina siderite-type hydrothermal ore occurrence near Čučma, Spišsko-gemerské rudohorie Mts., Rožňava Co., Košice Region, Slovakia. Minerals of the kobellite-tintinaite series occur in quartz gangue as acicular to prismatic crystals up to 5 mm long, associated together with arsenopyrite, pyrite and chalcopyrite. The calculated value of N for studied samples is ranging from 1.91 to 2.00 and the Sb/(Sb+Bi) atomic ratio in three studied samples varies between 0.41 and 0.52, hence corresponding mostly to Sb-rich kobellite, with a few analyses representing Bi-rich tintinaite.

Key words: kobellite, tintinaite, kobellite homologous series, sulfosalts, chemical composition, siderite veins, Majerská dolina, Čučma, Spišsko-gemerské rudohorie Mts., Slovak Republic

Received 15. 9. 2023; accepted 30. 11. 2023