

Argentopyrit z ložiska Bohutín, Příbram (Česká republika)

Argentopyrite from the Bohutín deposit, Příbram (Czech Republic)

PAVEL ŠKÁCHA^{1)2)*}, JIŘÍ SEJKORA²⁾

¹⁾Mineralogicko-petrologické oddělení, Národní muzeum, Cirkusová 1740, 193 00 Praha 9 - Horní Počernice;
*e-mail: skacha-p@muzeum-pribram.cz

²⁾Hornické muzeum Příbram, nám. Hynka Kličky 293, Příbram VI, 261 01

ŠKÁCHA P, SEJKORA J (2017) Argentopyrit z ložiska Bohutín, Příbram (Česká republika). Bull Mineral Petrolog 25(2): 245-251 ISSN: 2570-7337

Abstract

Rare argentopyrite was found in the Bohutín deposit of the Březové Hory ore district (central Bohemia, Czech Republic). It was found on two archive specimens and forms up to 2 mm large globular aggregates consisting of very small prismatic crystals. Original colour is bronze-brown but it very fast tarnished black. Apart from main elements Ag, Fe and S, it contains minor Cu (up to 0.019 *apfu*) and Sb (up to 0.022 *apfu*). Its empirical formula (37 analyses) on the basis of 6 *apfu* corresponding to $(\text{Ag}_{0.99}\text{Cu}_{0.01}\text{Sb}_{1.00})\text{Fe}_{1.95}\text{S}_{3.04}$. Its refined PXRD unit-cell parameters for the monoclinic space group $P112_1/n$ are: a 6.693(1), b 11.459(2), c 6.454(1) Å, γ 90.24(1)°, V 494.9(1) Å³. Crystals of the phases of proustite - pyrargyrite solid solution up to 2 mm are the most abundant Ag-minerals on studied samples. Proustite forms cores of these mixed crystals, younger pyrargyrite forms their rims. Colour is light cherry red, lighter than the colour typical for pyrargyrite from Příbram. Galena, pyrite, sphalerite and stephanite are the other associated minerals.

Key words: *argentopyrite, proustite-pyrargyrite, silver sulphides, stephanite, Příbram, Czech Republic*

Obdrženo: 17. 11. 2017; přijato 12. 12. 2017