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PŮVODNÍ PRÁCE/ORIGINAL PAPER

## Pyrostilpnit z ložiska Stará Vožice - Ratibořské Hory (Česká republika)

### Pyrostilpnite from the Stará Vožice - Ratibořské Hory deposit (Czech Republic)

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#### Abstract

A rare silver mineral pyrostilpnite, monoclinic  $\text{Ag}_3\text{SbS}_3$ , was found on two museum specimens from the historical Ag-Pb-Zn ore deposit Ratibořské Hory-Stará Vožice near Tábor (southern Bohemia, Czech Republic). These samples come from the mineralogical collection of the National Museum in Prague. Pyrostilpnite forms tabular crystals or groups of small striated sharp crystals of red-orange to orange color up to 2.1 mm in size. Pyrostilpnite occurs in close association with pyrargyrite and dolomite. Pyrostilpnite is monoclinic, space group  $P2_1/c$  with the following unit-cell parameters refined from the PXRD studies:  $a$  6.857(5) Å,  $b$  15.851(6) Å,  $c$  6.236(7) Å,  $\beta$  117.2(5)° and  $V$  603.1(8) Å<sup>3</sup>. Its empirical formula on the base of 7 apfu is  $\text{Ag}_{2.99}\text{Sb}_{1.01}\text{S}_{2.99}$ .

**Key words:** pyrostilpnite, powder X-ray diffraction data, unit-cell parameters, chemical composition, Ag-Pb-Zn deposit, Stará Vožice, Ratibořské Hory, Czech Republic

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