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PŮVODNÍ PRÁCE/ORIGINAL PAPER

## Mn-bearing sulfosalts from Roveňské pásmo Lode of Kutná Hora ore district, Czech Republic: benavidesite, Mn-rich jamesonite, Mn-rich Ag-excess fizélyite and Mn-rich senandorite

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## Abstact

A rare and interesting occurrence of Mn-bearing sulfosalts has been found in samples from medieval mine dumps of Roveňské pásmo Lode of Kutná Hora ore district, Czech Republic. The following suite of manganese-containing sulfosalts was identified: Mn-rich Ag-excess fizélyite, Mn-rich senandorite, benavidesite and Mn-rich jamesonite. Chemical analyses are presented and discussed. The empirical chemical formula of Mn-rich Ag-excess fizélyite is  $Ag_{6.10}$   $Cu_{0.06}(Pb_{12.69}Mn_{0.70}Fe_{0.26})_{z13.65}Sb_{20.98}S_{48}$ , that of Mn-bearing senandorite is  $(Ag_{0.94}Cu_{0.05})_{z0.99}(Pb_{0.99}Mn_{0.03})_{z1.02}Sb_{3.00}S_{5.98}$ . The mean chemical composition of benavidesite is  $Pb_{3.92}(Mn_{0.50}Fe_{0.45})_{z0.95}Sb_{6.18}S_{13.95}$  and that of Mn-rich jamesonite is  $Pb_{3.92}(Fe_{0.57}Mn_{0.37})_{z0.94}Sb_{6.13}S_{14.02}$ . An overview of Mn-containing sulfosalts is given.

Key words: Mn-bearing sulfosalts, benavidesite, Mn-rich jamesonite, Mn-rich Ag-excess fizélyite, Mn-rich senandorite, chemical composition, Kutná Hora ore district, Czech Republic

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