

## Supergénna síra z antimonitového ložiska Chyžné-Herichová, Slovenská republika

Supergene native sulphur from the Chyžné-Herichová stibnite deposit, Slovak Republic

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### Abstract

Supergene sulphur was found in the abandoned mine adit of the Chyžné-Herichová hydrothermal antimony deposit. Mostly it forms yellow rounded crystals up to 1 mm, rarely have some crystals skeletal habit. Sulphur crystals growth on the weathered stibnite, kermesite, valentinite in association with amorphous secondary minerals of Sb in vugs of quartz-stibnite veins. Crystals of sulphur sometimes have a skeletal habit. The unit-cell parameters of sulphur are  $a = 1.4645(6)$ ,  $b = 12.8602(6)$ ,  $c = 24.4554(15)$  Å and  $V = 3291.1(2)$  Å<sup>3</sup>. Sulphur formed (sub)recently by the interaction of acid solutions which were produced by the weathering of pyrite or stibnite.

**Key words:** *supergene native sulphur, stibnite, supergene minerals, X-ray powder data, Slovak Republic*