

Huntit z kamenolomu Bernartice u Dolních Kralovic (Česká republika)

Huntite from the quarry at Bernartice near Dolní Kralovice (Czech Republic)

PETR PAULIŠ¹⁾, FRANTIŠEK VESELOVSKÝ²⁾, TOMÁŠ KADLEC³⁾ A JIŘÍ FRANČ⁴⁾

¹⁾ Smíškova 564, 284 01 Kutná Hora

²⁾ Česká geologická služba, Klárov 3/131, 118 21 Praha 1

³⁾ EUROVIA Services, s.r.o., U Michelského lesa 370, 140 00 Praha 4

⁴⁾ Ústav fyzikální chemie J. Heyrovského AV ČR, v. v. i., Dolejškova 2155/3, 182 23 Praha 8

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Abstract

A serpentinite quarry at Bernartice near Dolní Kralovice is further locality where relatively rare Mg-carbonate huntite was identified. The mineral was found in a vein striking 35 - 45° and dipping 70° to the west that is 10 - 25 cm thick and penetrates the altered serpentinite. The vein is filled with whitish dolomite accompanied locally with accumulations of huntite. The mineral forms chalky white, soft, crumbly and powdery but also solid vein fillings with relics of gray-white dolomite from which it originated via its alteration. Huntite was identified by X-ray powder diffraction and its chemical composition corresponds to the formula $\text{Ca}_{1.011}\text{Mg}_{2.989}(\text{CO}_3)_4$. Its discovery represents its fourth occurrence in the Czech Republic.

Key words: huntite, dolomite, serpentinite quarry, Bernartice near Dolní Kralovice, Czech Republic