

## **Bizmut a jeho alteračné produkty: akcesorické minerály granitového pegmatitu berylového typu na lokalite Bratislava - Švábsky vrch (Malé Karpaty, Slovensko)**

**Native bismuth and its alteration products: accessory minerals of beryl type granitic pegmatite from Bratislava, Švábsky Hill (Malé Karpaty Mts., Slovakia)**

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### **Abstract**

Native bismuth forms rare aggregates (up to 1 mm across) in quartz core of the beryl-type granitic pegmatite from Bratislava, Švábsky Hill (Malé Karpaty Mts., Slovakia). The pegmatite dike (<1 m thickness) cuts parental Hercynian S-type granites of the Bratislava massif. The bismuth shows homogeneous, nearly end-member composition (only 0.2 wt.% Sb). It is partly replaced by bismite and bismutite along the rims. Native bismuth precipitated during final hydrothermal stage of the pegmatite crystallization at temperature 250 - 260 °C, whereas supergene bismite and bismutite are products of late oxidation and weathering processes, or low-temperature alteration of the bismuth.

**Key words:** *native bismuth, bismite, bismutite, chemical composition, granitic pegmatites, Bratislava, Malé Karpaty Mts., Slovakia*