

Malayait z Horního Nezdína u Ledče nad Sázavou (Česká republika)

Malayaite from Horní Nezdín near Leděč nad Sázavou (Czech Republic)

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Abstract

Malayaite, a monoclinic mineral $\text{CaSn}[\text{O}(\text{SiO}_4)]$ of the titanite group, was recently identified in skarns NE of Horní Nezdín village ca 5 km NE of the town of Leděč nad Sázavou (Czech Republic). This locality was geologically explored in search for tungsten in the 1980s. Malayaite associated with scheelite forms colorless to yellowish glassy max. 5 mm long flat grains and imperfectly developed tabular crystals mostly occurring in quartz accumulations in garnet-pyroxene skarn. The mineral exhibits a distinct greenish-yellow luminescence under short-wave UV light. The mineral is almost pure malayaite of which its chemical composition is close to the theoretical formula. XRD data also correspond to those reported in the literature.

Key words: skarn, malayaite, scheelite, Moldanubian, Horní Nezdín near Leděč nad Sázavou, Czech - Moravian Highland, Czech Republic