

МИНЕРАЛЫ И ПАРАГЕНЕЗИСЫ МИНЕРАЛОВ

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ГОЯЦИТ ИЗ ДОЛОМИТОВЫХ КАРБОНАТИТОВ КОВДОРСКОГО МАССИВА

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GOYAZITE FROM DOLMITIC CARBONATITES OF THE KOVDOR MASSIF

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Goyazite (the first finding at Kola peninsula) has been discovered in cavities of dissolution within the metasomatically altered calcite-phlogopite-magnetite ores of Kovdor massif. It occurs there in close association with pyrite, marcasite, manasseite and chlorite. Two generations of the mineral were detected: the earlier one was represented by small spherulites and elongated prismatic crystals up to 1.5 mm in size, as well as by their drusy aggregates incrusting walls of cavities in dolomite carbonatites. The later generation is displayed by separate rosettes of thin-lamella crystals and thingrained porcelain-like aggregates. The paper includes data on chemical composition, IR spectrum of the mineral, its behaviour under heating and X-ray powder analysis data. The question of relationship between goyazite, crandallite, gorceixite and florencite-(Ce) is discussed also.