

PRELIMINARY MINERALOGICAL ASPECTS OF SOME ZEOLITES FROM THE MUREŞ VALLEY, ROMANIA

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The paper presents the first results of a study made on some zeolites from the basaltic rocks near Vălişoara village (Hunedoara County, Romania) located on the road between Deva and Brad (Southern Apuseni Mountains).

The main rocks in this area belong to the "Ophiolitic" Complex, which is a part of the Transylvanide Group. The "ophiolites" from Vălişoara area were placed by NICOLAE (1994) in the calcalkaline series. The main rocks are basalts (basaltic andesites) in pillow-lava facies, which were exposed to a hydrothermal alteration. The basaltic rocks contain nests

and fissures filled up with zeolites and other secondary minerals (chlorites, carbonates).

The zeolites identified by macroscopic and X-ray diffraction analysis are analcime, clinoptilolite (heulandite ?), stilbite and laumontite.

Reference

NICOLAE, I. (1994): In: ALCAPA II Field Guidebook "South Carpathians and Apuseni Mountains". Romanian Journal of Tectonics and Regional Geology, 75, Suppl. 2: 136–140.