

ASPECTOS TOPOLÓGICOS Y SECUENCIA PARAGENÉTICA DE VANADATOS DEL DISTRITO MINERO EL GUAICO, CORDOBA, ARGENTINA

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Abstract

The stability and paragenetic sequence of vanadates from El Guaico district (Córdoba) have been studied on the basis of topological aspects of crystal structures. The Hawthorne's model for mineral phosphates has been used as reference. The vanadinite-descloizite-brackebuschite crystallization as well as the variations in the brackebuschite composition have been analyzed by means of XRD, vibrational spectroscopy and SEM-EDAX electron microscopy