

HALLAZGO DE ALUNITA, PIROFILITA Y DIASPORO EN EL YACIMIENTO DE  
CAOLIN DON SERGIO, COMARCA NORDPATAGÓNICA.

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**Abstract**

Don Sergio kaolin deposit was defined as solfataric volcanic, developed in the rhyolitic tuff and ignimbrites at Los Menucos Complex in the Northpatagonian Region. The ore mineralogy comprise kaolinite/dickite and secondary quartz, with calcite and titanite. The temperature of hidrothermal fluids responsable of the mineralization could have rise up to 250°C. The revision of mineral paragenesis corresponding to different alteration zones and their study in the stability fields of implicated minerals, permitted to recongnise mineralization temperatures that reach 300°C in zones with dickite, diaspore and alunite. Representative paragenesis of 350°C temperature were found in the zone close to the ascens-fluid conduct. Therefore, in ore mineralogy, fluid temperature and genesis, Don Sergio deposit is comparable to Equivocada deposit.