

Geology and economic considerations of JR-III pegmatite, Argentina

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The JR-III mine is a beryl type, rare element class pegmatite, located at 32°47'19'' S, 66°02'04''W in Sierra de San Luis, Argentina, a pericratonic mobile belt developed during upper Precambrian-lower Paleozoic. The basement is formed by schists of medium grade, intruded by a S-type granitoids suite with Ordovician radiometric ages. The pegmatite outcrop is 500 m long and 60 m wide average size, and occurs as a single lenslike body with sharp contacts. The internal zonation is concentric with border, wall, internal and a quartz core zones.

The economic interest is centralized in its ceramic mineralization, located in the internal and quartz core zones; by outcrops and developmental data has been determined the following resources: K-feldspar: 15,000 tn indicated and 21,000 tn inferred; quartz: 12,000 tn indicated and 17,000 tn inferred.