The Suprunovskoye pegmatite deposit is located in the Kutima Valley, Kazachinsko-Leninsky district, Irkutsk area, northeastern Transbaikal region. The muscovite-beryl pegmatite body is hosted in a xenolith of mica schists within early Proterozoic amphibole-biotite granitic gneiss (Kievlenko, 2003).

We studied a fragment of a prismatic aquamarine crystal of 7 cm in diameter and 6 cm high. Light blue to dark grayish-blue crystal is strongly fractured and translucent in places. We investigated doubly polished plate of aquamarine and found two and one phase fluid inclusions parallel axis $c$ and trapped on solid phase are the most common. In addition, some varieties of solid inclusions were observed: elongated opaque black solids with octagon cross section, occasional greenish-black inclusions, and light orange and reddish rectangular solids.

According to Raman spectroscopy, solid phase on which two and one phase fluid inclusions were trapped is microcline (fig. 1). Liquid in the two phase inclusions consists of H$_2$O and CO$_2$ and gas bubble contains H$_2$O and CO$_2$. The one phase inclusions contains water or liquid CO$_2$. Black solids do not show Raman bands. Other solids required additional study.

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Reference