

Relationship between mineral crystallization and impurities.

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Crystals formed by crystallization like from hot water has various sizes. The presence of impurities can be considered as a factor for changing these. However, it is not known how impurities affect to the crystallized minerals size.

In this study, we investigated how CaCl₂, which was considered as an impurity when NH₄H₂PO₄ crystallized, affected the crystallization.

The survey items were four points: “The crystals size” , “The approximate number of the generated crystals” , “microscopic image of the crystals” , and “The crystals growth process” .

Through this research, it was found that when impurities increase, crystals become smaller, and the surface and internal flaws increased.

Using this research, we also succeeded in creating some interiors.

Keywords: mineral, impurities, crystallization

