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Description of the solid method of BaTiO₃ ceramics elaborations

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Abstract : Abstract— There are two major methods of the barium titanate ceramic BaTiO₃ elaboration, the solid and the liquid methods (Hydrothermal, sol-gel processing, and Coprecipitation) [1, 2, 3]. In this work, we present a theoretical study to describe the solid method of BaTiO₃ elaboration, it is the most method used in the industry, because it is very economical, inexpensive and easier to implement.

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