

**Production of barium titanate layer (Technion)****code:** CHM-1065

Barium titanate ( $\text{BaTiO}_3$ ) is one of the most important ceramic materials used in electronics. As an intrinsic ferroelectric material it can be utilized for various applications like multilayer capacitors, grain boundary capacitors, low-temperature sensors and thermistors. There is a growing need for efficient methods of producing barium titanate layers, particularly if they are thin and crack-free. This method allows for the preparation of thin, whole layers even in complex shapes without the use of extremely toxic solutions currently in use in other methods.

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