



Scientific Investigations on the Claims of the Magnetic Water Conditioners

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Abstract: A lot of study has gone into the principles and function of magnetic “Water Softeners” around the world. The results have been mixed, the tests run of the function of these devices by the device manufacturers usually turn out fine, while tests run by anybody else usually don’t. Although a variety of claims are made about magnetic water conditioners for softening water, through “Pre-precipitation”, changing the hardness in the water from “Sticky” crystals to “Non-sticky”, or somehow rendering the hardness ions inert. This article focuses specifically on the claimed benefits of magnetically treated water, by scientific investigation for five commercial water conditioners from different manufacturers and for different purposes, the manufacturer’s instructions are considered. The investigation is carried out based on measurable and analyzed parameters (pH, TDS, Hardness). After a lot of serious laboratory measurements and chemical analysis, it is concluded that; the magnetic water conditioners have no effect on the water pH, total dissolved salts, and hardness.

Keywords: *Magnetic Water Conditioners Softener pH TDS Hardness*

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