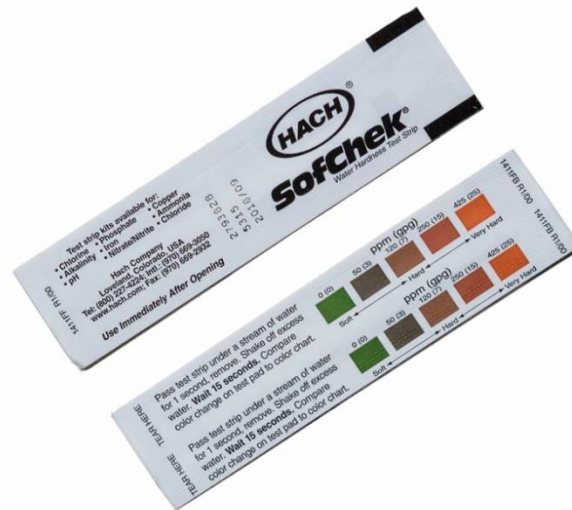


HACH Total Water Hardness Test Strips

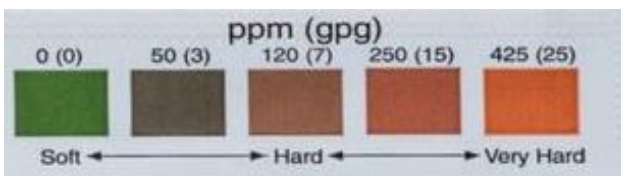


Overview:

Hard water is water that has high mineral content (as opposed to "soft water"). Calcium is the most common mineral associated with water hardness. While hardness is not generally a health hazard it can pose serious problems in industrial settings, where water hardness is monitored to avoid costly breakdowns in boilers, cooling towers, and other equipment. In domestic settings, hard water is often indicated by a lack of suds formation when soap is agitated in water, and by the formation of lime scale in kettles and water heaters. Wherever water hardness is a concern, water softening is commonly used to reduce hard water's adverse effects.

Description

Test strips are typically produced from plastic, with chemically impregnated pads on the end. These pads are designed to react with specific ions and produce a specific color change. Once a test strip is reacted and a color is developed, the strip is then compared to a printed color chart. The color chart is specifically designed to represent color reactions at various concentrations. Matching the strip to the closest color match produces a concentration reading.



Soft Water Reference:

- <50mg/L CaCO₃: Very soft water
- 50-120mg/L CaCO₃: Soft water
- 120-240mg/L CaCO₃: Medium hardness water
- 240-360mg/L CaCO₃: Hard water
- >360mg/L CaCO₃: Extra hard water (National standard now Limit 450mg/L)

Application Range:

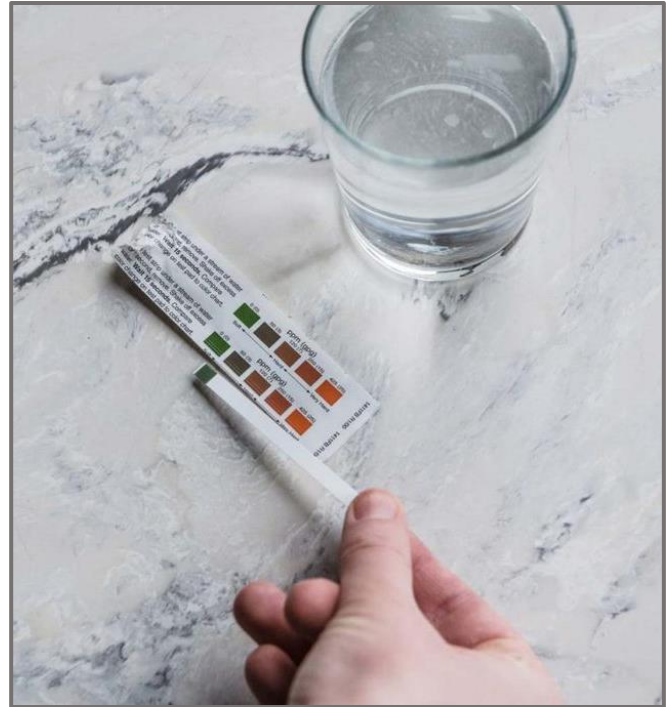
Rapid analysis of water hardness values in water, tap water, ground water, industrial water, food, circulating water, agriculture, etc. in printing and dyeing factories, also suitable for outdoor testing.

Usage Instructions:

- Press test strip under a stream of water for 1 second and then remove it.
- Shake off excess water.
- Wait 15 seconds.
- Compare color change on test pad to color chart

Precautions:

1. Be careful when removing the test paper. Do not touch the reaction end of the test strip to avoid contaminating the test strip.
2. The liquid to be tested should be colorless or light, otherwise the colored liquid needs to be decolorized to detect.



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