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Product Technical Fact Sheet

Product Code: HARD

Product Description: Water Hardness Test Strips

Application:

The Water Hardness test strip is used to measure the hardness of water samples (the amount of Calcium and Magnesium present). The results are expressed as grains per gallon Calcium Carbonate.

Test Range: 0-30 gpg or 0-500 ppm (1 gpg = 17.1 ppm)

Test Increments: Color chart calibrated at 0, 3, 7, 15, and 30 gpg

Accuracy: +/- ½ color chart unit

Detection Limit: 1.5 gpg

Storage Recommendations:

Store in original packaging in a cool (20-30C), dry, place out of direct sunlight.

Shelf-Life: Two years from date of manufacture when stored properly in original packaging.

Interferences: Iron and Copper can interfere.

Instructions for Use:

1. Remove one test strip from vial
2. Dip test strip into test solution for 1-2 seconds.
3. Remove strip and within 15 seconds compare test pad to color chart.

Chemistry Behind the Test:

The test pad is treated with a formula consisting of buffers, surfactants, chelating agents, and indicators. The intensity of the color developed is proportional to the amount of Calcium and Magnesium ions present.

Disclaimer:

The Hardness test strips are not intended for use to diagnose, treat, or monitor any medical condition.