

# carbonate hardness test kit

## For 50 mL samples:

Carbonate (ppm CaCO<sub>3</sub>) =  
Number of Tablets x 40 - 20

## For 100 mL samples:

Carbonate (ppm CaCO<sub>3</sub>) =  
Number of Tablets x 20 - 10

Number of tablets	50ml sample	100ml sample
1	20 ppm	10 ppm
2	60 ppm	30 ppm
3	100 ppm	50 ppm
4	140 ppm	70 ppm
5	180 ppm	90 ppm
6	220 ppm	110 ppm
7	260 ppm	130 ppm
8	300 ppm	150 ppm
9	340 ppm	170 ppm
10	380 ppm	190 ppm

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## This Test Kit is specifically designed for assessing the Carbonate and Bicarbonate Hardness in water.

Often referred to as Carbonate hardness, Temporary hardness, and KH. Utilising a tablet count approach. The test range is 0 - 500 ppm CaCO<sub>3</sub>. This measure indicates the level of carbonates and bicarbonates present within the collected water sample.



For safety information, please visit [www.watercare.co.uk](http://www.watercare.co.uk).

**KEEP OUT OF REACH OF CHILDREN**

**NOT SUITABLE FOR USE BY ANYONE UNDER 18 YEARS OF AGE**

### Kit Contents:

Calibrated sample bottle (125 mL)

Carbonate Hardness tablets (80 count in foil)

### Usage Instructions:

The testing ranges:

**20–500 ppm CaCO<sub>3</sub> = 50 mL sample and**

**10–250 ppm CaCO<sub>3</sub> = 100 mL sample.**

Select the appropriate sample volume (50 mL or 100 mL) according to the testing range you're aiming for. First, rinse the bottle with the water sample, then fill it to the designated volume mark.

Add one Carbonate Hardness tablet to the sample bottle, seal it with the stopper, and shake until the tablet is fully dissolved. Continue to add tablets one at a time until the colour of the solution changes from **YELLOW to RED**.

**Count the number of tablets required to achieve this colour change.** Use the below formulas to calculate the Carbonate Hardness (ppm CaCO<sub>3</sub>) alternatively, use the chart provided.

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Number of Tablets x 20 - 10

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