

# AQUADUR® / AQUADUR® Sensitive test strips

AQUADUR® test strips are for the quick and easy determination of water hardness. The convenient dip & read procedure and the clear colour changes from green to red ensure reliable results within seconds.

The water hardness depends mainly on the amount of calcium and magnesium salts within the water. The total sum of these salts determines the actual water hardness. Water hardness is expressed in ppm (mg/L) CaCO<sub>3</sub>.

Generally, water is often simply classified as “soft” or “hard” water. By and large, the following values apply to these terms:

- below 50 ppm CaCO<sub>3</sub>– very soft water
- 50 – 120 ppm CaCO<sub>3</sub>– soft water
- 120 – 240 ppm CaCO<sub>3</sub> – medium hard water
- 240 – 360 ppm CaCO<sub>3</sub> – hard water
- above 360 ppm CaCO<sub>3</sub>– very hard water



## AQUADUR Conversion to PPM CaCO<sub>3</sub>

To convert the results to ppm the d (degree) result needs to be multiplied by 17.8. By and large, the following values apply to these terms:

"d"	x 17.8	PPM	Water Hardness Classification
0	d		below 50 ppm CaCO <sub>3</sub> – very soft water
5	d	89	50 – 120 ppm CaCO <sub>3</sub> – soft water
10	d	178	120 – 240 ppm CaCO <sub>3</sub> – medium hard water
15	d	267	240 – 360 ppm CaCO <sub>3</sub> – hard water
20	d	356	
25	d	445	above 360 ppm CaCO <sub>3</sub> – very hard water