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AQUADUR® / AQUADUR® Sensitive test strips

Quick and easy determination of water hardness



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. In the USA, water hardness is expressed in ppm (mg/l) CaCO_3 .

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_3 – very soft water
- 50 – 120 ppm CaCO_3 – soft water
- 120 – 240 ppm CaCO_3 – medium hard water
- 240 – 360 ppm CaCO_3 – hard water
- above 360 ppm CaCO_3 – very hard water

Water hardness plays an important role in everyday life and a wide variety of industries and applications. Hard water can even adversely affect taste and appearance of food.

Hard water inhibits the lathering of soap, so more detergent has to be used in hard water in order to achieve the same cleaning results as in soft water. Additionally, hard water may cause calcification and can thus damage machinery, appliances, pipes or heating units.

In many industries, water hardness is an important parameter in process control and has to be monitored constantly. Some examples of industries include the textile industry, dyeing factories, large scale laundries, water works and fish-farming and aquaculture

AQUADUR® water hardness test strips come in a wide variety of different gradations and packaging options for your individual needs. Single sealed test strips are for example available for promotion activities to inform customers about the necessity of water softeners.

Since we completely control the production process of our test strips in-house, we can cater to very specific or unique requests.

AQUADUR® water hardness test strips are the ideal choice to quickly, easily and reliably determine water hardness.

Highly sensitive determination of low-range water hardness



AQUADUR® Sensitive water hardness test strips include all the same benefits as the classic AQUADUR® test strips, but feature a special, very low measuring range.

The test strips are the perfect tool whenever very low amounts of water hardness have to be safely detected. The test strips are for example successfully used in dialysis centers to check feed water, so that the sensitive reverse osmosis units are not damaged by excess water hardness.

AQUADUR® Sensitive water hardness test strips are also CE marked according to the directive for medical products 93/42/EWG.

Technical data and ordering information

Gradation	Presentation	REF
<54 · >89 · >179 · >268 · >357 · >446 ppm	Box of 100 test strips 6 x 95 mm	91201
<54 · >71 · >125 · >250 · >375 ppm	Box of 100 test strips 6 x 95 mm	91220
<54 · >71 · >150 · >250 ppm	Box of 100 test strips 6 x 95 mm	91239
<54 · >89 · >179 · >268 · >357 · >446 ppm	1000 test strips, single sealed	91223
<54 · >71 · >125 · >250 · >375 ppm	1000 test strips, single sealed	91224
<54 · >71 · >150 · >250 ppm	1000 test strips, single sealed	91240
<54 · >89 · >179 · >268 · >357 · >446 ppm	5000 test strips, without colour scale	91221
<54 · >71 · >125 · >250 · >375 ppm	5000 test strips, without colour scale	91222
<54 · >89 · >179 · >268 · >357 · >446 ppm	Set of 3 individually sealed test strips, packs of 50	91240
AQUADUR® Sensitive		
0 · 5 · 11 · 20 ppm	Box of 100 test strips, 6 x 95 mm	91210