



Water balancing troubleshooting chart: - <http://www.poolmanual.com/manual/waterchart.html>

What is GH?

General Hardness is a measure of the sum total of minerals dissolved in the water. Water can be either 'soft' or 'hard' depending on the amount of dissolved minerals, (the more minerals the greater the hardness).

How do I do the test?

Ensure the test tube is clean. Take a 5 ml sample of pool water into the test tube to the first mark on the test tube (approx. halfway). Take the GH A reagent and add two drops. Mix and the water sample should turn dark pink. Add one drop of GH B and mix. Keep adding drops one by one (remember to count the drops!), mixing between drops, until the dark pink colour turns to blue.

The number of drops needed to bring about the colour change is equal to the GH value in °dH. Should the first drop of GH B reagent turn the sample blue then the GH value is below 1°dH.

1°dH = 17.8ppm.

Why do we need to test for this balance?

PROBLEMS RESULTING FROM LOW HARDNESS LEVELS:

If the Hardness of your pool is too low, these problems will occur:

- Dissolved metallic parts of your pool (walls, floor, hand rails, ladders, light fixtures, and equipment). This could even lead to discoloured water or stains on the pool walls and floor.
- Stained and etched concrete in concrete pools.
- Stained and etched plaster in gunite or shotcrete pools.
- Stained liner in vinyl-liner pools.
- Blistering or delamination of fibreglass in fibreglass pools.
- Minimizes the effectiveness of chlorine (or its alternative).
- Foam.
- Eye and skin irritation.

If these, or any other, problems result due to low Hardness, you must raise the Hardness level immediately, using Calcium Chloride (which is typically packaged and sold as "Hardness Increaser," "Hardness Up," or "Hardness Plus").

PROBLEMS RESULTING FROM HIGH HARDNESS LEVELS:

If the Hardness level of your pool is high, these problems will occur:

- Cloudy water.
- Scale formation on the pool walls, floor, plumbing and equipment.
- Short filter runs and overall poor filtration - primarily due to scale that is deposited inside the plumbing, which restricts water circulation.
- Minimizes the effectiveness of chlorine (or its alternative).
- Eye and skin irritation.

Require further help: -

Please refer to our "Water Maintenance Levels" link on the web sites below.

www.purepool.co.uk

www.purepoolincrete.com

www.cheshire.luxurypools.co.uk

www.crystalclearpool.co.uk

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