



## WATER TEST ANALYSIS CHART

Name & address of pool owner:

Phone (day):

(evening):

Pool size details:

Length:  (metres) X width:  (metres) X average depth:  (metres), containing:  (litres)

Type of sanitiser used: (tick box)

Bluewater Granular Pool Chlorine

Bluewater Stabilised Pool Chlorine

Bluewater Stabilised Pool Chlorine Tablets

Bluewater Liquid Pool Chlorine

Baquacil

### Water Balance and Its Importance

Water balance is the interaction of pH Buffer and Water Hardness. New Zealand water by nature is fairly clean, soft and has a consistent pH. It usually presents few problems in achieving correct water balance. It is essential the pool water is kept correctly balanced otherwise corrosion and scale formation can occur on pool fittings and piping. Imbalanced water also means sanitisers may not work properly, and the water will neither feel nor look pleasant. To achieve correct water balance, ask your stockist to test your pool water sample by taking them about 300mls of pool water in a clean container. It will be checked and you will be advised of what chemicals (if any) are required. This should be repeated at two monthly intervals. When you get your pool water tested the first time, take with you the exact measurements of the pool so that the correct volume can be calculated.

### Procedure to Balance Pool Water

1. Clean the pool. Physically scrub walls if necessary, backwash the filter and then vacuum the pool. Then run the filter for 24 hours.
2. **If the water pH in your test was below 7.8 got to Step 5.**  
If the water pH in your test was above 7.8 you'll need to add  kg of **Bluewater pH Decrease**. Pre-dissolve the **Bluewater pH Decrease** in a bucket of warm water before adding to the pool.
3. Run the filter for at least 3 further hours before adding any other chemicals.
4. Check the pool pH. It should be below 7.8
5. You'll need to add **Bluewater pH Buffer**. Add  kg of **Bluewater pH Buffer**. Pre-dissolve the **Bluewater pH Buffer** in a bucket of warm water before adding to the pool. If the quantity required is in excess of 5kg then add it in two lots, with the filter running for one to two hours between additions.
6. **Check the pH. If it is between 7.2 and 7.8 go to Step 8.**
7. After 24 hours filtering the pool, re-check the pH as it is likely to have risen. If the pH is above 7.8 it can be re-adjusted to between 7.2 and 7.8 with the addition of **Bluewater pH Decrease**. Do this addition in small incremental amounts to ensure that you do not overshoot the optimum pH. Pre-dissolve the **Bluewater pH Decrease** in a bucket of warm water before adding it to the pool.
8. The next step is to add **Bluewater Water Hardener**. Add  kg **Bluewater Water Hardener**. Pre-dissolve the **Bluewater Water Hardener** in a bucket of warm water before adding to the pool. If the quantity required is in excess of 5kg then it must be added gradually over several days. This chemical can cause the water in the bucket to get warm while being dissolved so it is important to add the water slowly while stirring to minimise the heat build up.
9. Your pool water is now balanced. You can commence your recommended treatment regime with either **Bluewater** or **Baquacil** sanitiser systems.

### Safety

- Never add water to pool chemicals. Always add chemicals to the water
- Never mix any chemicals directly with any other. The only place to mix chemicals is IN THE POOL
- When pre-mixing Bluewater Granular Pool Chlorine, leave the solution in the bucket overnight before adding to the pool. This is in order to settle out any unwanted residual material.

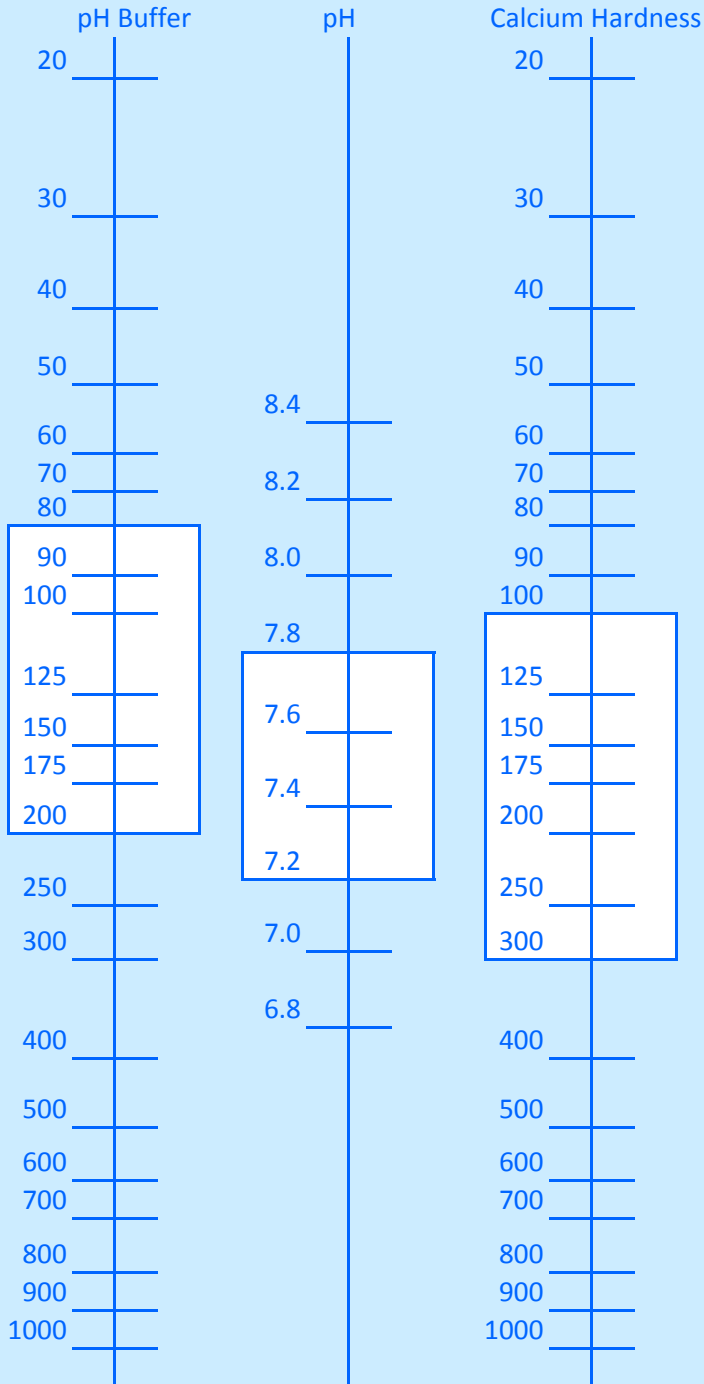
## The Taylor Watergram

A simple guide to water balance is the Taylor Watergram, which gives the relationship between pH Buffer, pH and the hardness and assumes that the TDS and temperature of the water are within the normal operating range.

Check the levels of pH, pH buffer and hardness in the water. Draw a line between pH Buffer and hardness to find the pH at which the pool water is balanced.

**The pH must be in the range 7.2 to 7.8, since outside this range may result in eye and skin irritation.**

**Pool Balance Watergram**



Buffer – \_\_\_\_\_

pH – \_\_\_\_\_

Hardness – \_\_\_\_\_

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Buffer – \_\_\_\_\_

pH – \_\_\_\_\_

Hardness – \_\_\_\_\_

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Buffer – \_\_\_\_\_

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Buffer – \_\_\_\_\_

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Buffer – \_\_\_\_\_

pH – \_\_\_\_\_

Hardness – \_\_\_\_\_

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Notes: