

**WEEKLY**

**WATER TEST**



STEP 1 - Record the following test results

	Day	Total	Initials	Comments
Alkalinity				
Calcium Hardness				
Temperature				
Ph				
Total Dissolved Solids				

Lanagelier Scale for Balanced Water Test.

Temperature	T. Factor	Calcium hardness	C. Factor	Total alkalinity	A. Factor
1°c	0.0	5 ppm	0.3	5 ppm	0.7
8°c	0.2	50 ppm	1.3	50 ppm	1.7
15°c	0.4	100 ppm	1.6	100 ppm	2.0
18°c	0.5	150 ppm	1.8	150 ppm	2.2
23°c	0.6	200 ppm	1.9	200 ppm	2.3
27°c	0.7	300 ppm	2.1	300 ppm	2.5
32°c	0.8	400 ppm	2.2	400 ppm	2.6
37°c	0.9	800 ppm	2.5	800 ppm	2.9
49°c	1.0	1000 ppm	2.6	1000 ppm	3.0

ppm = Parts per million

STEP 2 - Use the Lanagelier scale to find water balance:

<b>Factor Totals</b>	
T.Factor	
C.Factor	
A.Factor	
pH	
<b>Sub Total (X)</b>	
	-12.1
<b>Water Balance</b>	

$$T.Factor + C.Factor + A.Factor + Ph = X$$

$$X - 12.1 = \text{Water Balance Index}$$

Interpretation of results

Tick	Level	Meaning
	+ 0.5	Scale forming
	+ 0.2 to + 0.5	Acceptable Balance
	+ 0.2	Aim for +0.1
	- 0.1 to + 0.1	Ideal Balance
	- 0.1 to - 0.5	Acceptable Balance
	- 0.5	Corrosive & Erosive

Record the index on the table to find the water balance