

## TEST INSTRUCTIONS

### TEST 4: TOTAL ALKALINITY (TA)

**Ideal Range** 80 - 120ppm

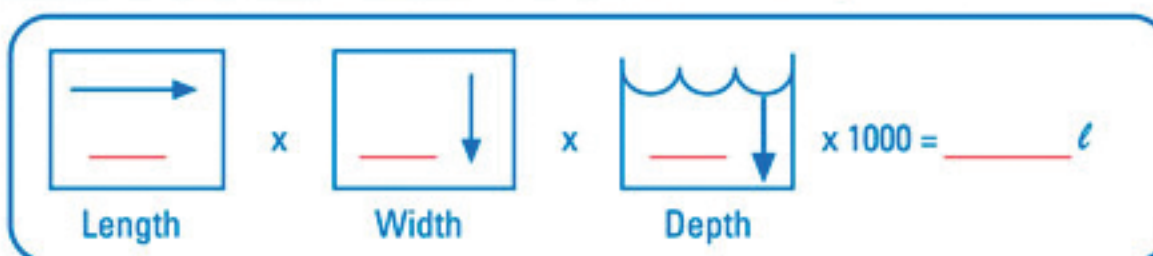
**Frequency of Test** Twice a season

- 1 Rinse out the Alkalinity test cell with pool water. Fill Alkalinity test cell to the line indicated, by scooping the water from at least 25cm below the water surface.
- 2 Add one drop of Solution 4 (chlorine neutralizer) and mix by swirling.
- 3 Add one drop of Solution 5 and swirl to mix. The solution should turn violet – if a yellow or clear colour is obtained, it means that the Total Alkalinity is 0ppm.
- 4 Add Solution 3 drop by drop, swirling and counting after each drop, until a permanent colour change to either pale yellow or clear is observed. Keep count of the number of drops added.
- 5 Multiply the number of drops of Solution 3 used in Step 4 by ten to determine the Total Alkalinity level e.g. 8 drops x 10 = 80ppm.
- 6 When the test is completed, the test cell and cap should be well rinsed.

## BASIC POOL CARE

<b>Maintain levels</b> To prevent damage to lining & fittings	pH 7.2 - 7.6 Total Alkalinity (TA) 80 - 120ppm Stabiliser < 50ppm Chlorine 1 - 3ppm Copper / Iron 0 High levels of stabiliser may result in insufficient free chlorine and harmful bacteria in your pool water.
<b>Filter</b>	Summer: 12 hours per night Winter: 6 - 8 hours per night Backwash every 2 weeks or when automatic pool cleaner becomes sluggish. Rinse after backwashing.
<b>Remove debris</b>	Clean pump and weir basket weekly. Brush pool walls and floor weekly.

## CALCULATE YOUR POOL'S VOLUME



## REMEMBER

Pool products treat 50 000 litres. Adjust your dosage according to your pool size. If you have a fibreglass lining, remember to pre-dissolve chemicals to prevent damage to pool lining.



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**4-in-1  
Test Kit  
Booklet**

*Replace test solutions every season for reliable results*

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## TEST INSTRUCTIONS

### TEST 1: FREE AVAILABLE CHLORINE

**Ideal Range** 1 - 3 ppm

**Frequency of Test** Weekly

- 1 Rinse out the chlorine test cell with pool water. Fill chlorine test cell to the line indicated, by scooping the water from at least 25 cm below the water surface.
- 2 Add 1 DPD No. 1 tablet and replace cap on test cell.
- 3 Shake gently to dissolve tablet and match the colour immediately with the standard chlorine colours on the right hand side of your test kit.
- 4 When the test is completed, the test cell and cap should be well rinsed.
- 5 Add HTH® Classic in recommended quantities as often as necessary to maintain a free available chlorine residual of 1 - 3ppm.

#### NOTE:

The colour matching must be done immediately the tablet is dissolved.

## TEST INSTRUCTIONS

### TEST 2: pH

**Ideal Range** 7.2 - 7.6

**Frequency of Test** Weekly

- 1 Rinse out the large pH test cell with pool water. Fill pH test cell to the line indicated, by scooping the water from at least 25cm below the water surface.
- 2 Add one drop of Solution 4 (chlorine neutralizer) and mix by swirling.
- 3 Add 5 drops of Solution 2 and replace cap. Swirl to mix.
- 4 Match colour with pH standard colours on the left hand side of the test kit.
- 5 If a pH reading above 7.6 is obtained, save pH sample for Acid Demand Test.
- 6 If pH < 7.2, add HTH® pH Up – follow label instructions.  
If pH > 7.6, add HTH® pH Down – follow label instructions.

## TEST INSTRUCTIONS

### TEST 3: ACID DEMAND

**NOTE:** This test is only to be done if a pH value of > 7.6 is obtained in the pH test.

- 1 This test requires using the same water sample used to perform the pH test.
- 2 Add Solution 3 drop by drop, swirling and comparing after each drop, until the desired pH of 7.2 is reached on the pH standard colours on the left. Keep count of the number of drops added. Do not count the drop which brings the colour equal to the light orange, 7.2.
- 3 Refer to the Acid Demand table below for the correct amount of acid to add to lower the pH level.
- 4 When the test is completed, the test cell and cap should be well rinsed.

ACID DEMAND TABLE Amount of swimming pool acid (ml) required												
Pool Capac. in litres	Drops of solution No. 3											
	1	2	3	4	5	6	7	8	9	10	11	12
20 000	125	250	375	500	625	750	875	1000	1125	1250	1375	1500
30 000	185	375	560	750	940	1125	1330	1500	1750	1875	2000	2250
40 000	250	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000
60 000	375	750	1125	1500	1875	2250	2625	3000	3375	3750	4125	4500
90 000	562	1125	1660	2250	2750	3375	4000	4500	5000	5660	6250	6750
120 000	750	1500	2250	3000	3750	4500	5250	6000	6750	7500	8250	9000

The above figures are in ml

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