

P Alkalinity and M alkalinity test methods

Replacement Tablets

Order Code

P Alkalinity tablets

555664 (2 x 250)

M Alkalinity tablets

555672 (2 x 250)

250ml Sample bottle

555557

P. ALKALINITY (ppm CaCO₃)

1. Take a 200 ml water sample in the stoppered bottle.
2. Add one P. Alkalinity tablet and shake or crush to disintegrate.
3. If Alkalinity is present the sample will turn blue.
4. Repeat the tablet addition, one at a time (giving time for the tablet to dissolve), until the blue colour turns to permanent yellow.
5. Count the number of tablets used and carry out the following calculation:

$$\text{P. Alkalinity, ppm CaCO}_3 = (\text{Number of Tablets} \times 20) - 10$$
 e.g. 12 Tablets = $(12 \times 20) - 10 = 230 \text{ ppm CaCO}_3$
6. Record the result obtained on the log sheet provided, against the date on which the test was taken.
7. Retain the sample for the M. Alkalinity test.

M. alkalinity (ppm CaCO₃)

1. To the P. Alkalinity sample add one m. Alkalinity tablet and shake or crush to disintegrate.
2. Repeat tablet addition, one at a time (giving time for the tablet to dissolve), until the sample turns to permanent red/pink.
3. Count the number tablets used and carry out the following calculation:

$$\text{M. Alkalinity, ppm CaCO}_3 = (\text{Number of P\&M tablets} \times 20) - 10$$
 e.g. If 12 P. and 5M. Alkalinity Tablets are used:

$$\text{M Alkalinity} = [(12 + 5) \times 20] - 10 = 330 \text{ ppm CaCO}_3$$
4. Record the result obtained on the log sheet provided, against the date on which the test was taken.