

## Spectrapak 310 - P. Alkalinity

Spectrapak 310 – 739474, P. Alkalinity – 555664



Take a 200 ml water sample in the stoppered bottle provided.

Add 1 P. Alkalinity tablet and shake to disintegrate. If P.-Alkalinity is present the sample will turn blue.

Repeat tablet addition, one at the time (giving time for the tablet to dissolve), until the blue colour changes to permanent yellow.

Calculation:

$\text{P. Alkalinity (CaCO}_3\text{)(ppm)} = (\text{number of tablets used} \times 20) - 10$

Example:

If 8 tablets are used.  $\text{P. Alkalinity} = (8 \times 20) - 10 = 150 \text{ ppm}$

**Record the result as ppm  $\text{CaCO}_3$  in Waterproof or your customised result logging system.**

## Spectrapak 310 - Chloride

Spectrapak 310 – 739474, Chloride – 739458



For boiler under 30 bar take a 50 ml water sample in the stoppered bottle provided.

Add 1 chloride tablet and shake to disintegrate, sample should turn yellow if chlorides are present

Repeat tablet addition, 1 at the time (giving time for the tablet to dissolve) until the yellow colour changes to permanent orange/red/brown.

Calculation:  
Chloride (ppm) = (number of Chloride tablets x 20) – 20

Example:  
If 4 tablets are used. Chloride = (4 x 20) - 20 = 60 ppm

NB! For higher expected chloride levels reduce the water sample size e.g. 25 ml sample; will give steps of 40 ppm per tablet used.  
For lower expected chloride levels increase the water sample size e.g. 100 ml sample; will give steps of 10 ppm per tablet used.  
For lower expected chloride levels increase the water sample size e.g. 200 ml sample; will give steps of 5 ppm per tablet used.

**Record the result as ppm Cl in Waterproof or your customised result logging system.**

## TABLET TEST METHOD

# Spectrapak 310 - pH - 7.5 to 14 and 6.5 to 10

Spectrapak 310 – 739474, pH pack (2 ranges) – 555706

7.5 – 14 for boiler water and 6.5 – 10 for condensate water



Take a 50 ml sample of water to be tested in the plastic sample container provided.

Using the white 0,6 grams scoop provided, add one measure of the pH reagent to the water sample, allow to dissolve – stir if required.

Select the correct range of pH test strip and dip it into the water sample for 1 minute.

Withdraw the strip from the sample and compare the colour obtained with the colour scale on the pH indicator strips container.

**Record the result in Waterproof or your customised result logging system.**