Chloride (ppm Cl^-)

feedwater
the water treatment specialists

Reagents

Chloride Reagent Pack **RGPK006** - *includes:*

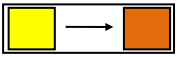
Chloride Indicator - **A006**
Chloride Titrant - **A007**

Method

1. Filter the sample if necessary and select an appropriate sample size based on the required PPM per drop of Chloride Indicator Solution as follows:

Sample size	PPM per drop
5ml	40ppm
10ml	20ppm
20ml	10ppm
40ml	5ppm
100ml	2ppm

2. If pH of sample is >9.5 it is necessary to neutralise pH prior to analysis (for boiler water add a couple of drops of phenolphthalein and Alkalinity Titrant drop wise until the pink colour disappears).
3. Add 5 drops of Chloride Indicator Solution to sample and swirl to mix.
4. Moisten and wipe the tip of the Chloride Titrant dropper to ensure it is clean and then add it one drop at a time to the sample (counting the number of drops) until the yellow colour changes to the first orange coloration.
5. Calculate the Alkalinity (M) using the following formula:



Chloride = Number of drops at Step (4) x PPM per drop for sample size

Example

For a 20ml sample

Number of drops of Chloride Titrant = 18

Chloride = 18 x 10ppm

= 180ppm (as Cl^-)