

P Alkalinity



1. Measure 20ml of filtered boiler water from a graduated cylinder into a casserole. Add 5 drops of Reagent mPA1 to give a pink colour. If no pink colour develops record P - Alkalinity as zero.
2. Add Sulphuric Acid solution 0.02N, from a 10ml automatic burette, stirring continuously until the pink colour just disappears. Note the burette reading.
3. If more than 20ml of acid has been used, repeat the test using a smaller sample volume. Conversely, if less than 5ml of acid has been used, repeat the test using a larger sample volume.
4. Calculate the result as follows:
$$\text{P Alkalinity (ppm)} = 1000 \times \frac{\text{ml of Sulphuric Acid, 0.02N, used}}{\text{Volume of sample in ml}}$$
5. Record the result in log sheet and/or in Waterproof.