



COMBI KIT
AE 107

Metal Working Fluid

AQUASOL

Any time ... Any where...

Analyzing Waters

Analyzing Waters

pH
AE : 306



AQUASOL
Analyzing Waters
Anytime... Anywhere...

Colour Comparison Method

Directions for Use :

- 1) Fill the test jar with the water sample upto 10 ml mark.
- 2) Add 10 drops of **pH 1** and mix well.
- 3) Compare the colour developed with the colour chart by placing the test jar near the colour. View the sample colour from the top of the jar while matching with the colour chart.
- 4) Read the pH.

* For controlled addition of drops, follow instruction on the dispenser

TOTAL HARDNESS

AE : 201



AQUASOL

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Range : 10–200, ppm Hardness as ppm CaCO₃

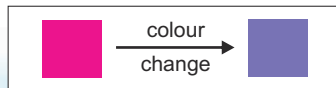
Directions for Use :

1. Take 25 ml of water sample to be tested in the test jar.
 2. Add one spoonful (provided herewith) of **TH 1S**.
 3. Mix contents well to dissolve.
 4. Add 10-12 drops* of **TH 2** and mix contents well.
 5. If colour turns blue, it indicates there is 'No Hardness' in the water.
 6. If colour turns red, it indicates there is 'Hardness'.
 7. Now drop wise* add **TH 3**♦, counting the number of drops while mixing, until the colour changes from red to blue.
- ♦ If the expected hardness of the test sample is more than 40 ppm, then use **TH 4** instead of **TH 3**.

Calculations :

$$\begin{aligned}\text{Total Hardness as ppm CaCO}_3 &= 2 \times (\text{No. of drops of TH 3}) \\ &= 5 \times (\text{No. of drops of TH 4})\end{aligned}$$

* For controlled addition of drops, follow instructions on the dispenser.



TOTAL HARDNESS

AE : 221



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Directions for Use : (25-500 ppm)

1. Take 10 ml of water sample to be tested in the test jar.
2. Add one spoonful (provided herewith) of **TH 1S**.
3. Mix contents well to dissolve.
4. Then add 10-12 drops of **TH 2**, and mix contents well.
5. Now drop wise* add **TH 5**, counting the number of drops while mixing, until the colour changes from red to blue.

Calculations :

Total Hardness as ppm CaCO_3 = 25 x (Number of drops of **TH 5**)

* For controlled addition of drops, follow instructions on the dispenser.

CHLORIDE

AE : 203



AQUASOL

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Range :10-200 & 50-1000 ppm Chloride

Directions for Use :

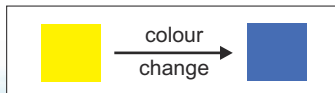
1. Take 10 ml. of water sample to be tested in the test jar.
2. Add one spoonful (provided herewith) of **CD 1**.
3. Mix well to dissolve.
4. Then add **CD 2** drop by drop till the sample turns yellow.
5. Now drop wise* add **CD 3**[#], counting the number of drops while mixing, until the colour changes from yellow to bluish violet.

If the expected chloride of the sample is more than 200 ppm, then use **CD 4** instead of **CD 3**.

Calculations :

$$\begin{aligned}\text{Chloride as ppm Cl} &= 10 \times (\text{Number of drops of } \mathbf{CD\ 3}) \\ &= 50 \times (\text{Number of drops of } \mathbf{CD\ 4})\end{aligned}$$

* For controlled addition of drops, follow instructions on the dispenser.





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RAKIRO BIOTECH SYSTEMS PVT LTD



An
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Company