

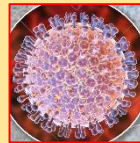
Jal≈Suraksha Chloroscope

(Chlorine testing kit)

Ecosuraksha has introduced a cost effective and easy to use field testing kit/Chloroscope for determination of free residual chlorine in clear or drinking water.

The presence of free residual chlorine in drinking water is correlated with the absence of disease-causing organisms, and thus it is a measure of the potability of water

Safe Water For Good Health



Why Residual Chlorine Monitoring?

- The presence of residual chlorine in water indicates that: a) a sufficient amount of chlorine was added initially to the water to inactivate the pathogenic bacteria and some viruses that cause diarrheal disease and viral infections .b) the water is protected from recontamination during storage
- Determination of chlorine is required to confirm that water is safe for drinking and recreational purpose from bacterial contamination. therefore, Residual Chlorine testing in chlorine treated water at supply end and at user end become essential
- Chlorine demand optimization and its quantity (dose) fixation for target water during water treatment process is necessary and a regular process

How does it works:

It works on visual colorimetric comparison principle
Fill plastic tube with water sample as per the instructions given in operational manual card. Add reagent, wait for colour development (about 15 seconds). Insert the tube in colour comparator box and compare the colour with standard colour chart to find the value of Residual Chlorine in milligram per litre in the sample. For one sample testing you need less than a minutes



Match the colour in Jal≈Suraksha Chloroscope to find residual chlorine concentration

Other advantages:

- No equipment is needed while testing
- No skill requires to use it, so any ordinary person can use it
- Normal room temperature is enough for the testing

Product packaging:

- One unit contains
- One colour comparator box with standard colour chart.
- One Chloroscope reagent bottle
- One plastic tube
- One instruction operation manual card
- One main plastic box

What is Jal≈Suraksha Chloroscope?:

Jal≈Suraksha Chloroscope is a onsite **Residual Chlorine content testing** device for post chlorine treated, water quality monitoring. It comes with a transparent plastic box (colour comparator) and a plastic tube. Plastic box has residual chlorine standard colours chart at its one side

Ability of Jal≈Suraksha Chloroscope:

- An easy onsite method for chlorination process efficiency monitoring in water. No laboratory is required for this testing
- Tells water quality fitness for drinking, due to bacterial contamination, after the addition of sodium hypochlorite (a chlorine disinfectant reagent) to containers that are used by families to store drinking water. As per IS: 10500:2012, there should be a minimum of 0.2 or 0.5 mg/L of free residual chlorine present (this ensures bacterial and viral infection safe water) at user end
- As per IS 3328:1993 (Reaffirmed 2003) for Swimming pools water, maximum total residual chlorine value should be 0.5mg/l (at inlet) and minimum 0.2 mg/l (at outlet)
- Affordable, quick and easy to use



Jal≈Suraksha
Chloroscope

Product specification/Features:

- Broad testing range (0, 0.2, 0.5, 1.0, 3.0, 5.0 ppm or mg/l)
- Good reproducibility even at lower concentration
- 100 - 150 water samples can be tested with one kit
- Light weight, around 150 g, Kit size 13.5 X 9.5cm
- Tests are semi-quantitative, based upon colour comparison chart
- Kit comes with an user friendly instruction manual sheet/card
- Even a person without scientific background, can use and operate it easily
- Ecosuraksha also provides reagents refill facility on demand
- Reagent Shelf/Life cycle:: Minimum one year

Applications scope:

- Public Health Departments, Water Testing Laboratories, Swimming pools, Hotels, Clubs, Industrial Labs etc. to check chlorine contents in drinking and recreational water
- Sanitary staff and Individuals engaged in drinking water disinfection using chlorine, can use this kit for quick check and treatment efficiency assessment of treated water

Quality assurance:

Product performance has been validated by NABL accredited laboratory

For Enquiries and information Contact

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Eco≈Suraksha