

DIOXIDE CHLORINE ANALYSIS



DESCRIPTION:

Kit indicating the correct amount of necessary chlorine dioxide to make water for domestic use drinkable. The colorimetric test will determine in an unequivocal way the necessary dose expressed in ppm (parts for million or mg/l) of active principle.

The maximum dose allowed in compliance with the European regulation concerning drinking water UNI-EN 12671/2004 is equal to 0.2 0.4 ppm.

TYPE OF ANALYSIS:	colorimetric
SENSIBILITY:	0,1 ppm Cl ₂
MEASURING RANGE:	0,1 - 0,2 - 0,3 - 0,4 - 0,5 - 0,75 - 1,0 - 1,5 ppm Cl ₂
NUMBER OF DETERMINATION:	150

CONTENTS OF THE KIT:

- 1 bottle 15cc Chlorine dioxide reagent A
- 1 bottle 15cc Chlorine dioxide reagent B
- 1 bottle 15cc Chlorine dioxide reagent C
- 1 10 cc tube with cap
- 1 chromatic scale
- instructions for use

INSTRUCTIONS FOR USE:

- Rinse the tubes thoroughly with the water to be analyzed
- Place the color scale on a well-lit flat surface (not in direct sunlight)
- Enter 5 ml of the water to be analyzed into one of the three tubes (blank test) and insert it into a hole in the comparator. Place the comparator on the chromatic scale so that the colored fields are under the blank test.
- Place 5 ml of test water into a test tube, 2 drops of Reagent A and shake.
- In the second tube introduce 2 drops of Reagent B and a drop of Reagent C.
- After 2 minutes, pour the contents of the first tube into the second one, thus prepared.
- Shake and place the tube immediately in the empty hole of the comparator.
- After a further two minutes, compare the colors from the top by pushing the comparator back and forth until you find the most appropriate color, then read directly the chlorine content expressed in ppm Cl₂. The concentration of ClO₂ (Chlorine Dioxide) can be calculated by multiplying by 1.9 the value expressed as Cl₂.

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FACOT CHEMICALS Srl - Via Crema 44, 26010 Capralba CR, Italy - Tel. +39 0373450642 - info@facot.it - www.facotchemicals.com



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