

CHLOR*TEST™

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PRODUCT

CHLOR*TEST™ is a new method to field test surfaces for chlorides. This new product has been developed for ease of use and to prevent outside cross contamination during field test procedures. This revolutionary new test method is so complete and easy to use that even the least experienced inspector can get accurate results. Test after rigorous test has proven **CHLOR*TEST™** more reliable than any other method of testing. The components are pre-measured to ensure accurate results in parts per million and micrograms per centimeter square. In addition, no temperature correction is needed for 41 °F to 176 °F. Field test inspectors around the world will use this innovative product with confidence on virtually any surface at any angle. It is designed to be used on vertical, horizontal or overhead surfaces. **CHLOR*TEST™** is recommended as the easiest, most accurate method for testing on such costly structures as ships, aircraft, offshore rigs, tanks, bridges and storage tanks. Test kit includes everything necessary for testing.



INNOVATIVE FEATURES

The **CHLOR*TEST™** uses a unique patented extract solution, **CHLOR*EXTRACT™** to retrieve surface chloride samples. Since chlorides are not readily water soluble, this special extract enhances retrieval rates, thereby increasing accuracy. **CHLOR*TEST™** is completely self-contained, and unlike other testing methods, does not require de-ionized water, cotton balls, tweezers, latex gloves, calculator, hypodermic needle and syringes. Measuring devices, working containers, conversion charts and reagent chemicals are also eliminated with **CHLOR*TEST™**.

CHLOR*TEST™
(Chloride ion test with Kitagawa Tube)

PROCEDURES

DO NOT TOUCH ARROW END OF GLASS TITRATOR TUBE WITH FINGERS.

STEP 1. Remove cap from **CHLOR*EXTRACT™** solution bottle and pour entire contents into **CHLOR*SLEEVE™**.

NOTICE: Obtain the applicable **LIMITED WARRANTY** at www.targetproducts.com/product-warranty
Or send a written request to Target Products Ltd., Five Concourse Parkway, Atlanta, GA 30328, USA.
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CHLOR*TEST™

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- STEP 2.** Peel off pressure sensitive tape backing (blue color) from test sleeve.
- STEP 3.** Evacuate most of the air from the test sleeve by squeezing between three fingers and thumb, without spilling extract.
- STEP 4.** With most of the air evacuated, firmly apply test sleeve to test surface without spilling extract.
- STEP 5.** Lift and hold upright the free end of the test sleeve to allow extract solution to come into contact with test surface. With the other hand massage, the solution through the test sleeve, against the test surface for two (2) minutes.
- STEP 6.** (Vertical and Overhead) Release test sleeve. Extract solution will return to lowered area in test sleeve. (Horizontal) Press and slide finger across sleeve to move solution to closed end of sleeve.
- STEP 7.** Punch out perforated hole in box lid.
- STEP 8.** Remove the test sleeve, with solution, from the test surface and insert sleeve with extract solution into the hole in the box lid.
- STEP 9.** Insert each end of glass titrator tube into the metal snapper and break-off both tips. **(CAUTION: PROTECT EYES) Do not touch arrow end of titrator tube with fingers.**
- STEP 10.** Insert titrator tube into the test sleeve with smaller numbers and arrow at bottom.
- STEP 11.** Wait approximately one and one half (1-1/2) minutes or until solution is wicked-up (capillary action) to the top of the titrator tube. Cotton at top of titrator tube will change color to yellow (oblique) when fully saturated.
- STEP 12.** Immediately remove and read the number on the titrator tube at the interface of the color change (pink is normal, white is the chloride level). This number is micrograms per centimeter square ($\mu\text{g}/\text{cm}^2$) and parts per million (ppm), the ratio is 1 to 1 for this test.
- STEP 13.** When chloride levels exceed specification requirements, use CHLOR*RID™ liquid soluble salt remover for decontamination.

When testing corroded surfaces, remove rust and dust. Test locations of paint blistering, pits and delamination of coating.

PACKAGING:

Target Products Ltd. distributes the test kit as follows:

9992260	Chlor*Test Kit / Carton	5 Tests per Kit
9992266	Chlor*Test Bulk Kit	50 Tests per Box

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