

CHLORIDE ION LENGTH-OF-STAIN DETECTOR TUBES

PERFORMANCE:

Measuring Range: 1 - 10 ppm
Sampling Time: 1-5 minutes approximately
Color Change: Pink - White
Detectable Limit: 1 ppm
Storage Condition: In a cool dark place, not exceeding 25°C (77°F)

Read carefully the "User Responsibility" section prior to using this product.

CORRECTION FOR AMBIENT CONDITIONS:

No temperature correction is necessary when the sample solution is 5°C (41°F) to 80°C (176°F).

INTERFERENCES:

Coexistence of Bromide ion, Iodide ion or Cyanide ion respectively with Chloride ion gives higher readings. Sulfide ion produces a brown stain and the coexistence with Chloride ion produces a brown stain in the bottom of the stained layer and gives higher readings. The pH values should be within 3.5 and 11.0

CHEMICAL REACTION IN THE DETECTOR TUBE:

$\text{NaCl} + \text{Ag}_2\text{CrO}_4 \rightarrow \text{AgCl}$

CAUTION:

Keep detector tubes out of the reach of children and tubes should be discarded in accordance with relevant regulations.

USER RESPONSIBILITY:

For accurate results, all components of this kit must be used in accordance with the instructions provided.

It is the sole responsibility of the user of this equipment to ensure that the equipment is operated, maintained and used in strict accordance with these instructions. Do not use titration tubes beyond their expiration date or that have a color different than referred to under **PERFORMANCE**. The manufacturer and manufacturer's distributor shall not be otherwise liable for any incorrect measurement or any damages, whether damages result from negligence or any other cause whatsoever.

CHLOR*TEST™ "A"

(Chloride Ion Test for Abrasives)



Field Test Instructions



Manufactured by CHLOR*RID International, Inc.

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CHLOR*TEST™ "A"

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Read complete instructions before removing
titrator tube from packet.

Do not touch arrow end of titrator tube with fingers.

Step 1: Overfill the small container with
abrasive and level-off with the
metal snapper.



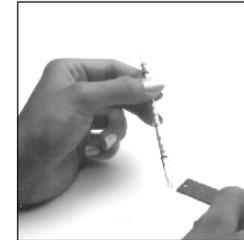
Step 2: Remove the lid from the container
with the CHLOR*EXTRACT™
solution. Pour the abrasive into the
solution. Replace the lid tightly.



Step 3: Shake the container vigorously for
two minutes. Allow the container
to set for approximately 5 minutes
or until there is about 1/2 inch of
clear solution at the top before
proceeding.



Step 4: Using caution not to touch the
arrow end of the glass titrator
tube, insert the tube all the way
into the metal snapper and break
off each end.



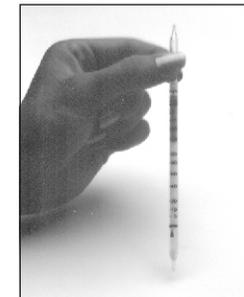
**CAUTION: Protect eyes and hands when
breaking ends off tube.**

Step 5: While holding the titrator tube,
insert the arrow end of the tube
into the clear solution in the
mixing container. **Do not** insert
the tube into the abrasive as this
will plug the hole.



Step 6: Wait approximately one and one-half minutes or until
the solution has wicked-up (capillary action) to the top
of the titrator tube. The cotton at the top of the tube will
change color to amber when fully saturated.

Step 7: Remove and read the number on
the tube at the interface of the
color change (pink is normal,
white is the chloride level). This
number is parts per million (ppm)
chloride (Cl⁻).



Recommended ppm chloride is not to exceed 7.

STANDARD WEIGHT CONVERSION

100 ppm = 0.01% by weight
Example: 100 ppm = 0.2 Lbs Cl /ton

Patent Pending.