CHROMATE KIT

OCTA-SLIDE 2, 5-40 PPM

CODE 4430-01

QUANTITY	CONTENTS	CODE
30g	*Chromate Indicator Powder	*4431-G
1	Spoon, 0.25g, plastic	0695
1	Pipet, plain, glass	0342
2	Test Tubes, 2.5-5-10 mL, plastic, w/caps	0106
1	Sodium Chromate Octa-Slide 2 Bar, 5-40 ppm	4432-01
1	Octa-Slide 2 Viewer	1101

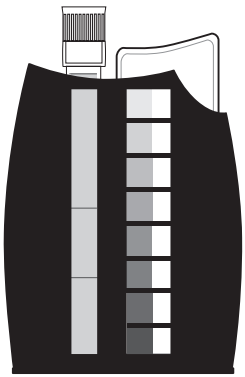
*WARNING: Reagents marked with an * are considered to be potential health hazards. To view or print a Safety Data Sheet (SDS) for these reagents go to www.lamotte.com. Search for the four digit reagent code number listed on the reagent label, in the contents list or in the test procedures. Omit any letter that follows or precedes the four digit code number. For example, if the code is 4450WT-H, search 4450. To obtain a printed copy, contact LaMotte by email, phone or fax.

Emergency information for all LaMotte reagents is available from Chem-Tel
(US, 1-800-255-3924) (International, call collect, 813-248-0585).

To order individual reagents or test kit components, use the specified code number.

Warning! This set contains chemicals that may be harmful if misused. Read cautions on individual containers carefully. Not to be used by children except under adult supervision.

USE OF THE OCTA-SLIDE 2 VIEWER



The Octa-Slide 2 Viewer should be held so non-direct light enters through the back of the Viewer. Insert the Octa-Slide 2 Bar into the Viewer. Insert the reacted sample into the top of the Viewer. Match the color of the reaction to the color standards.

PROCEDURE

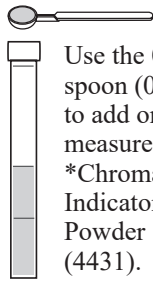
1

Use the pipet (0342) to add ten drops of sample water to a test tube (0106).

2

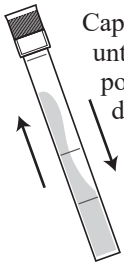
Dilute to 5 mL line with chromate-free water.

3



Use the 0.25g spoon (0695) to add one measure of *Chromate Indicator Powder (4431).

4

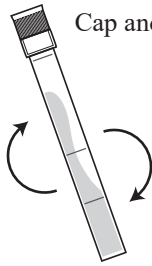


Cap and shake until the powder has dissolved.

5

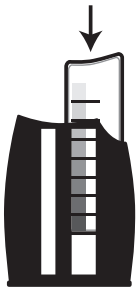
Wait 1 minute for full color development.

6



Cap and mix.

7

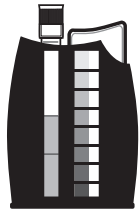


Insert Chromate Octa-Slide 2 Bar (4432-01) into the Octa-Slide 2 Viewer (1101).

8

Insert test tube into Octa-Slide 2 Viewer (1101).

9



Match sample color to a color standard. Record as ppm Sodium Chromate.

If the color of the test sample is less than the color of the lowest standard, repeat the test using a sample of the water without dilution and divide the value of the standards by ten. If the color of the test sample in the original test is deeper than the highest value, the test is run again with a more dilute sample. See Dilution Factor Table.

DILUTION FACTOR TABLE

Note that the values given on the Sodium Chromate Comparator represent readings where the test sample has been diluted one part of test sample to nine parts of chromate-free water. This test can also be performed with different dilution ratios to reach the desired range.

Undiluted Sample	Range 0.5 to 4.0 ppm
Ten Drops to 5.0 mL	Range 5 to 40 ppm
Five Drops to 5.0 mL	Range 10 to 80 ppm
One Drop to 5.0 mL	Range 50 to 400 ppm

CONVERSIONS

The values shown on the comparator are in terms of Sodium Chromate (Na_2CrO4). For converting the Sodium Chromate readings to other forms of chromate, use the following factors:

Potassium Dichromate	Comparator Reading x 0.9
Chromic Acid	Comparator Reading x 0.62
Hexavalent Chromium	Comparator Reading x 0.32

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PO Box 329 · Chestertown · Maryland · 21620 · USA
800-344-3100 · 410-778-3100 (Outside U.S.A.) · Fax: 410-778-6394
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