



SODIUM NITRITE KIT

DIRECT READING TITRATOR, 0-1,000 ppm

CODE 3036-DR-02

QUANTITY	CONTENTS	CODE
15 mL	Ferrioin Indicator	6410-E
2 x 30 mL	*Nitrite DRT Reagent	*6411DR-G
1	Test Tube, 5-10-15 mL, glass, w/cap	0778
1	Direct Reading Titrator, 0-1000 Range	0384

*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).

Read the LaMotte Direct Reading Titrator Manual before proceeding. The Titrator is calibrated in parts per million sodium nitrite. Each minor division on the Titrator scale equals 20 ppm.

PROCEDURE

1



Fill the test tube (0778) to the 5 mL line with the sample water.

2

Add 8 drops of Ferroin Indicator (6410).



3



Cap and swirl to mix. Solution will turn orange.

4

Fill Direct Reading Titrator (0384) with *Nitrite DRT Reagent (6411DR).



5

Insert the Titrator into the center hole of the test tube cap.



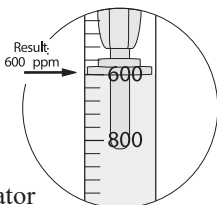
6



While gently swirling the tube, slowly press the plunger to titrate until orange color changes to a permanent light blue.

7

Read the test result where the large ring on the Titrator meets the Titrator barrel. Record as ppm Sodium Nitrite (NaNO_2).



Note:

If the plunger tip reaches the bottom line on the scale (1000 ppm) before the end point color change occurs, refill the Titrator and continue the titration.

When recording the test result, be sure to include the value of the original amount of reagent dispensed (1000ppm).

LaMOTTE COMPANY

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