



NITRATE TEST KIT

MODEL NCR • CODE 3110

QUANTITY	CONTENTS	CODE
2 x 60 mL	*Mixed Acid Reagent	*V-6278-H
5g	*Nitrate Reducing Reagent	*V-6279-C
1	Dispenser Cap	0692
1	Spoon, 0.1g, plastic	0699
2	Test Tubes, 2.5 & 5.0 mL, glass, w/caps	0820
1	Bottle, Water Sample	0688
1	Nitrate-N Comparator, 0.25-10.0 ppm	3109

***WARNING:** Reagents marked with an * are considered to be potential health hazards. To view or print a Material Safety Data Sheet (MSDS) for these reagents go to www.lamotte.com. To obtain a printed copy, contact LaMotte by e-mail, phone or fax.

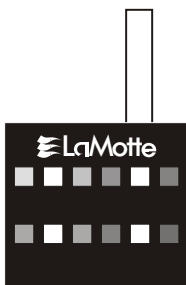
To order individual reagents or test kit components, use the specified code number.

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

NOTES:

- Nitrite interferes at all levels.
- For best results keep all reagents around 23°C.
- Place Dispenser Cap (0692) on *Mixed Acid Reagent (V-6278-H). Save this cap for refill reagents.

USE OF THE OCTET COMPARATOR



The Octet Comparator contains eight permanent color standards. A test sample is inserted into the openings in the top of the comparator. The sample can then be compared to four color standards at once, and the value read off the comparator. For optimum color comparison, the comparator should be positioned between the operator and a light source, so that the light enters through the special light-diffusing screen in the back of the comparator. Avoid viewing the comparator against direct sunlight or an irregularly lighted background.

PROCEDURE

1. Fill sample bottle (0688) with sample water.
2. Fill one test tube (0820) to the 2.5 mL line with water from the sample bottle.
3. Dilute to 5 mL line with *Mixed Acid Reagent (V-6278). Cap and mix. Wait 2 minutes.
4. Use the 0.1g spoon (0699) to add one level measure (avoid any excess) of *Nitrate Reducing Reagent (V-6279). Cap and invert gently 60 times in one minute. Wait 10 minutes.
5. Insert test tube into Nitrate-N Comparator (3109). Match sample color to a color standard. Record as ppm Nitrate as Nitrate Nitrogen ($\text{NO}_3\text{-N}$).

To convert to ppm Nitrate (NO_3), multiply by 4.4.

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