NITRATE NITROGEN TEST KIT

CODE 3615

QUANTITY	CONTENTS	CODE
250 mL	*Mixed Acid Reagent	*V-6278-K
10g	*Nitrate Reducing Reagent	*V-6279-D
1	Dispenser cap	0693
1	Spoon, 0.1g, plastic	0699
4	Test Tubes, 5 & 10 mL, glass, w/2 caps	0898
1	Water Sample Bottle	0688
1	Pipet, plastic, 0.5 mL	0353
1	Axial Reader	2071
1	Distilled Water Ampoule	2748
1	Nitrate-Nitrogen Comparator, 0-1.0 ppm	3614

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

To order a complete set of refill reagents, order as R-3615. To order individual reagents or test kit components, use the specified code number.

Read the Axial Reader Manual before proceeding.

NOTES:

- Distilled water is required for the High Range procedure.
- Place Dispenser Cap (0693) on *Mixed Acid Reagent (V-6278). Save Dispenser Cap for reagent refills.
- Best results are obtained when all solutions are kept close to 23°C.
- Nitrites can cause serious interference in this test and should be determined and compensated for if present. Order Nitrite Nitrogen test kit, Code 7674.

PROCEDURE

LOW RANGE (0-1.0 ppm Nitrate Nitrogen)

1. Fill the water sampling bottle (0688) with sample water.
2. Fill one test tube (0898) to the lower line (5 mL) with sample water.
3. Dilute to second line with *Mixed Acid Reagent (V-6278). Cap and mix.
4. Wait 2 minutes.
5. Use the 0.1 g spoon (0699) to add one level measure (avoid any excess) of *Nitrate Reducing Reagent (V-6279).
6. The mixing procedure is extremely important. Cap tube. Invert tube slowly and completely 30 times in 1 minute to insure complete mixing.
7. Wait 10 minutes.
8. Insert test tube into Axial Reader (2071). Fill two test tubes (0898) to the 10 mL line with sample water. Place in Axial Reader. Match sample color to a color standard. Record as ppm Nitrate-Nitrogen.

   NOTE: To convert to nitrate, multiply by 4.4. Record as ppm Nitrate.

HIGH RANGE (0-10.0 ppm Nitrate Nitrogen)

1. Use the 0.5 mL pipet (0353) to add 0.5 mL of the water sample to a test tube (0898).
2. Add Distilled Water to the lower line (5 mL).
3. Dilute to second line with *Mixed Acid Reagent (V-6278). Cap and mix.
4. Wait 2 minutes.
5. Use the 0.1 g spoon (0699) to add one level measure (avoid any excess) of *Nitrate Reducing Reagent (V-6279).
6. The mixing procedure is extremely important. Cap tube. Invert tube slowly and completely 30 times in 1 minute to insure complete mixing.
7. Wait 10 minutes.
8. Insert test tube into Axial Reader (2071). Fill two test tubes (0898) to the 10 mL line with sample water. Place in Axial Reader. Match sample color to a color standard. Multiply the reading by 10. Record as ppm Nitrate-Nitrogen.

   NOTE: To convert to nitrate, multiply by 4.4. Record as ppm Nitrate.

LaMOTTE COMPANY

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