Phosphonate Test Kit

1 drop = 0.9 ppm as HEDP / 25 mL

TK0170-Z

purple caps

KIT COMPONENTS:

TN5800-B	Phosphonate Titrant, 60 mL
SA1625-B	Sulfuric Acid 1.0N, 60 mL
ST2999-B	Sodium Thiosulfate 0.1N, 60 mL
XO4500-H	XO Indicator Powder, 10 g
BS1077-B	Fluoride Inhibitor, 60 mL
PH-1838-PK	pH Strips, pH 1.8-3.8
VL-1005-V	Vial, 10-50 mL

SAFETY TIPS:


Wear Gloves


Use Eye Protection

Read SDS

TESTING TIPS:


Collect Accurate Sample


Hold Bottles Vertically


Ensure Proper Lighting

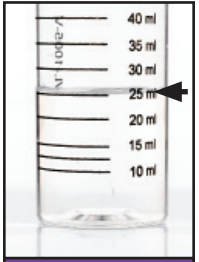
INTERFERENCES: As little as 0.5 ppm Fluoride and 1 ppm Orthophosphate will cause interference. Even low concentrations of Iron and Sulfate will cause interference.

ATTENTION: As necessary, calibrate this kit against a known standard made with plant / make-up water. Be sure to collect a representative sample.

EndPoint ID® Test Procedure

Phosphonate Test Kit TK0170-Z

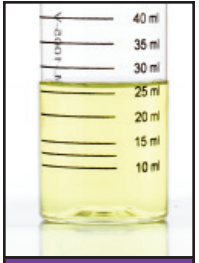
1 Rinse vial three times with sample to be tested. **Fill vial to 25 mL.**



STEP 1

2 **Add 1 drop of Sodium Thiosulfate 0.1N** (ST2999). Swirl to mix.

3 **Add 10 drops of Fluoride Inhibitor** (BS1077). Swirl to mix.

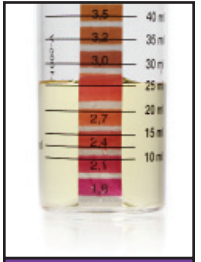


STEP 4

4 **Add 1 scoop of XO Indicator Powder** (XO4500) and swirl to mix. The sample should turn yellow.

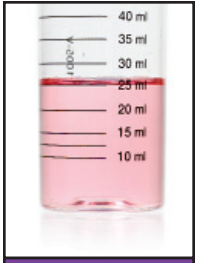
5 Adjust pH between 2.5 and 3.0. **Add 1 drop of Sulfuric Acid 1.0N** (SA1625) and swirl to mix. Check pH by dipping test paper into sample for 3 seconds. Remove and check pH value. If needed continue adding Sulfuric Acid 1.0N one drop at a time while swirling.

Check the pH after each drop until the sample reaches between 2.5 and 3.0. The sample color should be yellow.



STEP 5

6 **Add Phosphonate Titrant** (TN5800) one drop at a time while swirling. Count the number of drops until the color changes from yellow to pink.



STEP 6

1 drop = 0.9 ppm as HEDP