Molybdenum (Mo) Inhibitor Test Kit

1 drop = 0.2 ppm Mo

TK3280-Z
white caps

KIT COMPONENTS:

MO1590-E	Mo Test #1, 30g
MO1530-B	Mo Test #2, 60 mL
MO1465-B	Mo Test #3, 60 mL
SC-1021-P	Scoop, 0.1g
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: High concentrations of phosphonate can create positive interferences. High concentrations of nitrites can cause negative interferences.

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

Molybdenum (Mo) Inhibitor Test Kit

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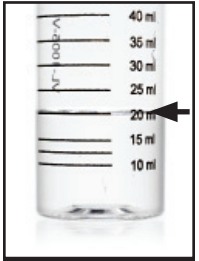
1 Rinse the vials 3 times with sample. **Add 20 mL of DI water to one vial.**

2 **Add 2 full scoops of MO Test #1** (MO1590) and swirl to mix and completely dissolve. The sample should turn yellow.

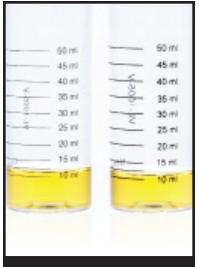
3 **Add 10 drops of Mo Test #2** (MO1530) and swirl to mix.

4 **Place 10 mL (exactly half) of the above solution** into the second clean vial. (You will now have two sample vials with the same amount of yellow solution.)

5
- **a.** **Add 20 mL of the water to be tested** into one of the above tubes and swirl to mix.
- **b.** **Add 20 mL of DI water** into the other tube and swirl to mix.



STEP 1



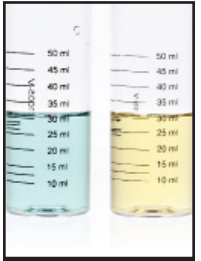
STEP 4

6 If Mo is present in the Step 5a solution the yellow color will start turning blue. ~*see Note*

7 Place both of the sample tubes on a white sheet of paper. **Add Mo Test #3** (MO1465) one drop at a time, while swirling, to the vial in Step 5b. Count the number of drops until the color from the vial in Step 5b matches the color of the vial from Step 5a. Match the colors by viewing down into the tubes.

\# drops x 0.2 = ppm Mo in the sample

Note:
At 0.2 ppm Mo a yellow-green color will begin to develop in the solution. If the solution turns blue the Mo is above 3 ppm. When above 3 ppm Mo the sample must be diluted with DI Water to bring the concentration below 3 ppm. Rerun the test with the diluted sample and multiply the results by the dilution factor.



STEP 6

STEP 7