Molybdenum (Mo) Test Kit

1 drop = 2, 5, 20 or 50 ppm

TK3200-Z

white caps

KIT COMPONENTS:

MO1525-B	Molybdenum Buffer, 60 mL
MO1535-B	Molybdenum Indicator, 60 mL
MO1546-B	Molybdenum Titrating Solution, 60 mL
SY-2005-P	Syringe, 5 mL
SY-2001-P	Syringe, 1 mL
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.

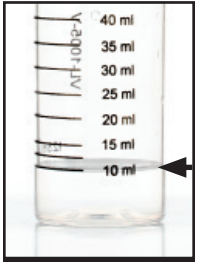
EndPoint ID® Test Procedure

Molybdenum (Mo) Test Kit — TK3200-Z

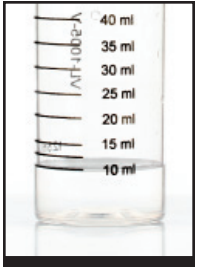
1 Rinse a vial 3 times with sample and select a sample size based on the desired drop equivalency. For smaller sample sizes, use the 5 mL syringe to collect the sample and dilute to 10 mL with Molybdenum free water.

1 drop = 2 ppm	25 mL sample
1 drop = 5 ppm	10 mL sample
1 drop = 20 ppm	2.5 mL sample
1 drop = 50 ppm	1 mL sample

2 Put the orifice reducer into **Molybdenum Buffer** (MO1525) and insert the 1 mL syringe through the orifice. Hold the bottle upside down and plunge a few times to remove air bubbles from the syringe. **Fill the syringe with 1 mL of Molybdenum Buffer** (MO1525). **Add 1 mL of Molybdenum Buffer** (MO1525) to the vial and swirl to mix.



STEP 1



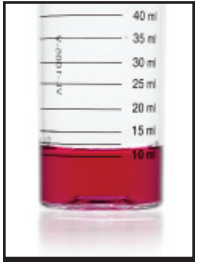
STEP 2

3 Add 10 drops of Molybdenum Indicator (MO1535) and swirl to mix. The solution will turn red if Molybdenum is present.

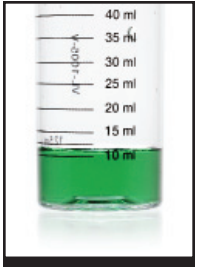
4 Add Molybdenum Titrating Solution (MO1546) one drop at a time while swirling. Count the number of drops until the sample turns from red to green and no further color change occurs.

Multiply the drops by the factor to obtain ppm as Molybdenum (Mo).

Multiply ppm Molybdenum by 1.7 to express results as ppm Molybdate (MoO_4)



STEP 3



STEP 4