

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

INTERFERENCES: High concentrations of phosphonate can create positive interferences. High concentrations of nitrites can cause negative interferences.

SAFETY TIPS:



Wear
Gloves



Use Eye
Protection



Read
SDS

TESTING TIPS:



Collect
Accurate
Sample



Hold
Bottles
Vertically



Ensure
Proper
Lighting

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



1 Rinse a vial 3 times with sample and select a sample size based on the desired drop equivalency. For smaller

sample sizes, use syringe to collect the sample and dilute to 10 mL with Molybdenum free water.

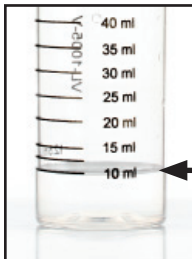
1 drop = 2 ppm 25 mL sample

1 drop = 5 ppm 10 mL sample

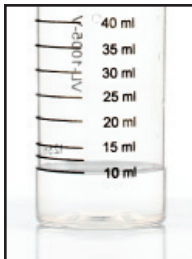
1 drop = 20 ppm 2.5 mL sample

1 drop = 50 ppm 1 mL sample

2 Use the 1 mL syringe to add 1 mL of Molybdenum Buffer (MO1525) and swirl to mix.

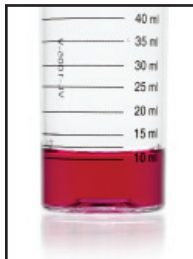


STEP 1



STEP 2

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

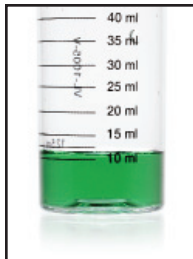


STEP 3

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 4