

Organophosphonate Drop Count Test Procedure

1 drop = 0.7 ppm as active OP

FOR BEST ACCURACY (1) ENSURE ACCURATE SAMPLE SIZE. (2) HOLD DROPPER BOTTLE VERTICALLY, NOT AT AN ANGLE.

1 Rinse vial 3 times with the solution to be tested. Fill vial to 10 mL with sample.



2 Add 1 OP tablet (AD1582) crush and mix well by swirling. A green color will develop.

For high alkalinity samples, 2-3 tablets may be necessary to properly buffer the sample.



3 Add OP Titrant (AD1596) drop-wise, while swirling, until the sample color changes from green to purple. Record the number of drops.

A gray intermediate color may develop. Keep titrating to the purple endpoint.



4 Record results.*

$$\# \text{ of drops} \times 0.7 = \text{ppm as OP}$$

* For best accuracy, run a blank on the make up water and subtract the number of drops from the final test results.

Safety Tips

- Wear appropriate safety equipment.
- Read MSDS before use.

Tech Tips

- Be sure there is adequate lighting during testing.
- Rinse test vial 3 times with solution to be tested.
- Hold reagent bottles vertically for best results.
- Make sure you have an accurate sample.

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