

Chloride Drop Count Test Procedure

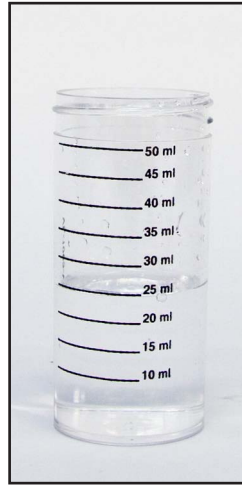
FOR BEST ACCURACY (1) ENSURE ACCURATE SAMPLE SIZE. (2) HOLD DROPPER BOTTLE VERTICALLY, NOT AT AN ANGLE.

1 Select sample size for drop equivalency:

1 drop = 10 ppm	25mL sample
1 drop = 25 ppm	10mL sample
1 drop = 50 ppm	5mL sample
1 drop = 100 ppm	2.5mL sample
1 drop = 500 ppm	0.5mL sample

2 Rinse vial 3 times with solution to be tested. Fill the vial with desired amount.

Use a 5mL syringe if necessary. Dilute to 10 mL mark if necessary.



3 If sulfites are present, add 6 drops of Hydrogen Peroxide 3% (HP1003) and swirl for 30 seconds.

4 Add 2 drops of Phenolphthalein Indicator (PH1605) and swirl to mix. If colorless, proceed to step 5. If red, add Sulfuric Acid (SA1555) drop-wise, while swirling, until the sample color changes from red to colorless.



5 Add 6 drops of Chromate Indicator (PC8025) and swirl to mix. The sample should turn yellow.



6 Add Chloride Titrant (SN3410) drop-wise, while swirling, until the sample color changes from yellow to red. Record the number of drops. The first color change is the endpoint.



7 Multiply the number of drops by your chosen equivalence factor. Record results as ppm chloride (Cl).

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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Test Procedure
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