



Chloride (NaCl) Test

1. Measure 50 mls of sample into casserole.
2. Add five (5) drops of Potassium Chromate Indicator Solution #224. Sample will turn to yellow color.
3. Fill burette and add Silver Nitrate N/58.3 Solution #229 until a distinct rust-red color holds. Multiply the ml by 20. Result is ppm chlorides (as NaCl).

Note #1: When testing for chloride in the presence of "P" Alkalinity, add three (3) drops of Phenolphthalein "P" Indicator Solution #222. If red color develops add enough Alkalinity Titrant N/50 Solution #226 to restore original color. Then proceed as above. If no color develops, proceed as above.

Note #2: When testing having a high chloride content, add sixteen (16) drops of Potassium Chromate Indicator Solution #224 at the beginning of the test. This is necessary because of the large amount of white precipitate formed during the titration.

Note #3: When a low chloride content is encountered, a 100 ml sample should be used for more accurate results. Burette reading minus NaCl factor should be multiplied by 10. The "NaCl factor" is the volume, in milliliters, of Silver Nitrate N/58.3 Solution #229, used to reach the rust-red color on a sample of NaCl free distilled water.

Note #4: To convert ppm NaCl to ppm Cl multiply by 0.607