

DISSOLVED OXYGEN TEST

LaMotte Kit

SAMPLING METHOD:

1. Rinse sampling bottle (0688) and replace cap.
2. Submerge bottle. Remove cap.
3. Tap sides of bottle to release air bubbles.
4. While bottle is submerged, replace cap and retrieve from water.
5. If air bubbles are present, repeat sampling method.



SAMPLE PRESERVATION:

1. Add 8 drops of Manganous Sulfate Solution (4167)
2. Add 8 drops of Alkaline Potassium Iodide Azide (7166).
3. Cap and mix.
4. Allow precipitate to settle.
5. Add 8 drops of Sulfuric Acid 1:1 (6141WT)
6. Cap and mix until reagent and precipitate dissolve. **Sample is now "fixed"**.

TEST PROCEDURE

7. Fill titration tube (0299) to 20 mL line with fixed sample.
8. Fill titrator (0377) with Sodium Thiosulfate, 0.025N (4169).
9. Titrate until sample color is pale yellow. **DO NOT DISTURB TITRATOR.**
10. Add 8 drops of Starch Indicator Solution
11. Continue titration one drop at a time. Swirl between each addition until blue color disappears. (Solution clears)
12. Read the titrator scale for result in ppm Dissolved Oxygen.