

LaMotte Dissolved Oxygen Kit

Sulfuric acid causes severe burns. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. **Students must wear goggles when handling chemicals**

1. Rinse sample bottle with tap water
2. Fill bottle **completely** full with sample water, leave no bubble at the top when capped
3. Add **8** drops of **Manganous sulphate** and **8** drops of **Alk. Pot. Iodide Azide**. Cap quickly and mix.
4. Wait **5 minutes**.
5. Add **8** drops of **sulphuric acid**. Cap tightly and mix until all dark flecks disappear.
6. Fill coded bottle 0299 to the line from sample bottle and cap
7. Fill syringe to 0 with **Thiosulfate**
8. Insert syringe into the top of coded bottle 0299.
9. Carefully remove lid with syringe still inserted. Add **8** drops of **Starch indicator**. Sample will turn dark blue/black
10. Replace lid and again slowly add **thiosulfate** drop by drop swirling sample after each drop until sample suddenly becomes clear. (If syringe becomes empty before this change occurs, refill it and continue as before.)
11. When change occurs record number on the syringe at the plunger. (If syringe has been filled a second time, add **10** to the number)