

Nitrate CHEMets[®]

0 - 3 ppm

Test Procedure

1. Fill the reaction tube to the 15 mL mark with the sample.
2. Empty the contents of one Cadmium Foil Pack into the reaction tube (fig 1). Cap the reaction tube and shake it vigorously for exactly **3 minutes**. Allow the sample to sit undisturbed for **2 minutes**.
3. Pour 10 mL of the sample into the sample cup (fig 2), being careful not to transfer any cadmium particles to the sample cup.
4. Place the CHEMet ampoule in the sample cup. Snap the tip by pressing the ampoule against the side of the cup. The ampoule will fill leaving a small bubble to facilitate mixing (fig 3).
5. Mix the contents of the ampoule by inverting it several times, allowing the bubble to travel from end to end each time. Wipe all liquid from the exterior of the ampoule. Wait **10 minutes** for color development.
6. Hold the high range comparator in a nearly horizontal position while standing directly beneath a bright source of light. Place the CHEMet ampoule between the color standards moving it from left to right along the comparator until the best color match is found (fig 4). If the color of the CHEMet ampoule is between two color standards, a concentration estimate can be made.

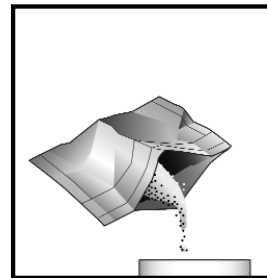


Figure 1

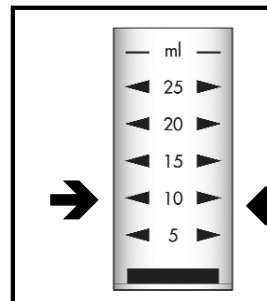


Figure 2

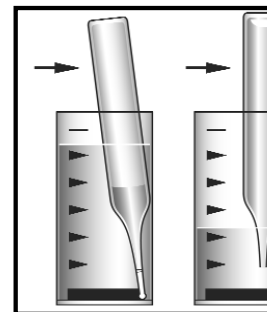


Figure 3

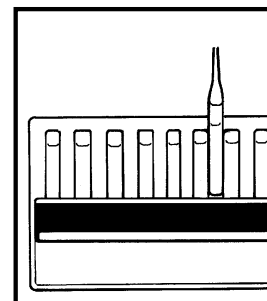


Figure 4

NOTE: To convert to ppm (mg/Liter) nitrate as NO₃, simply multiply test results by 4.4.