Hydrazine HR CHEMets® Kit

K-5020D/ R-5005: 0 - 12.5 ppm

Test Procedure

1. Using the syringe providsed, obtain **1 mL** of the sample to be tested, and then dispense it into the empty sample cup.
2. Dilute the contents of the sample cup to the **25 mL mark with distilled water** (fig. 1).
3. Place the CHEMet ampoule, tip first, into the sample cup. Snap the tip. The ampoule will fill leaving a bubble for mixing (fig. 2).
4. To mix the ampoule, invert it several times, allowing the bubble to travel from end to end.
5. Dry the ampoule. Obtain a test result **10 minutes** after snapping the tip.
6. Obtain a test result by placing the ampoule, flat end first, into the comparator. Hold the comparator up toward a source of light and view from the bottom. Rotate the comparator until the best color match is found (fig. 3).

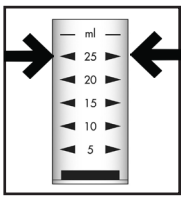

Figure 1

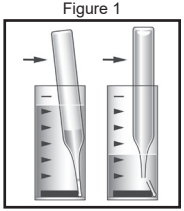
Figure 2


Figure 3

Test Method

The Hydrazine CHEMets®[1] test method employs the PDMAB chemistry.[2,3] In an acidic solution, hydrazine reacts with PDMAB (p-dimethyl-aminobenzaldehyde) to form a yellow colored complex in direct proportion to the hydrazine concentration.

1. CHEMets is a registered trademark of AquaPhoenix Scientific, LLC U.S. Patent No. 3,634,038
2. L. C. Thomas and G. J. Chamberlin, Colorimetric Chemical Analytical Methods. 8th ed., p. 195, Method I (1974)
3. ASTM D 1385 - 07, Hydrazine in Water

Safety Information

Read SDS before performing this test procedure. Wear safety glasses and protective gloves.

CHEMetrics®
By AquaPhoenix Scientific

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