Hydrazine CHEMets® Kit

K-5005/ R-5005: 0 - 0.5 ppm

Test Procedure

1. Fill the sample cup to the 25 mL mark with the sample to be tested (fig. 1).
2. Place the CHEMet ampoule, tip first, into the sample cup. Snap the tip. The ampoule will fill leaving a bubble for mixing (fig. 2).
3. To mix the ampoule, invert it several times, allowing the bubble to travel from end to end.
4. Dry the ampoule. Obtain a test result **10 minutes** after snapping the tip.
5. 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).

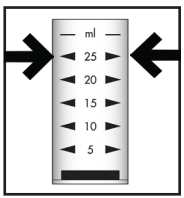

Figure 1

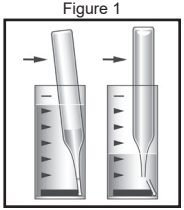
Figure 2


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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