

Hydrazine 1.5

Range(s): 0-1.50 ppm N₂H₄

Procedure

Note: When testing multiple samples simultaneously, a separate sample cell with an unreacted sample of the water tested must be used to zero the colorimeter. Please note that varying the test procedure from the original can affect the precision of the test.

Note: Sample temperature should be 63°F-77°F (17°C-25°C).

Note: Analyze samples immediately. Do not preserve for later analysis.

1. Turn on the Colorimeter.
2. Select a test menu (ALL TESTS, RECENT TESTS, or FAVORITES) containing Hydrazine 1.5 using ◀▶.

3. Select Hydrazine 1.5 using ▲▼; then press ENTER ⊙.
4. Rinse and fill 25 mm sample cell to 10 mL mark with sample; then cap.
5. Insert sample cell into sample cell compartment. Align marks per User's Manual.
6. Select ZERO using ◀▶; then press ENTER ⊙. Zero will be displayed.
7. Remove sample cell from sample cell compartment; then remove cap.
8. Add 4 mL Hydrazine 1.5 - Reagent A and immediately proceed to the following steps.

9. Using the 0.15 g dipper spoon, add 1 level dipper Hydrazine 1.5 - Reagent B; then cap and shake for 10 seconds.
10. Insert sample cell into sample cell compartment. Align marks.
11. Select TIMER using ◀▶; then press ENTER ⊙.
12. Select START using ◀▶; then press ENTER ⊙. (A 2-minute [02:00] countdown will begin.) Immediately select AUTO using ◀▶; then press ENTER ⊙.
13. When the timer beeps, the instrument will read the sample and the result will be displayed.

Interferences

Highly colored or turbid samples may interfere.

Test Method

p-Dimethylaminobenzaldehyde

Under acidic conditions, hydrazine reacts with p-dimethylaminobenzaldehyde to produce a yellow complex that is proportional to the concentration of hydrazine in a sample.

Estimated Detection Limit

0.01 ppm N₂H₄

Precision

Using two lots of reagent and a standard solution of 0.750 ppm N₂H₄, an individual analyst obtained a standard deviation with the instrument of ± 0.02 ppm N₂H₄.

Application

Industrial Water

Ordering Info

Reagent Pack

K-8015 Hydrazine 1.5

Formulated for exclusive use with Taylor's TTI® Colorimeter.

Reagent Pack Components

R-8015A Hydrazine 1.5 - Reagent A

R-8015B Hydrazine 1.5 - Reagent B



31 Loveton Circle, Sparks, MD 21152 U.S.A.
800-TEST KIT (837-8548) • 410-472-4340
customerservice@taylortechnologies.com