

Instruction Manual

HI 3851 Cyanuric Acid Test Kit



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Dear Customer,

Thank you for choosing a Hanna Product.

Please read the instructions carefully before using the chemical test kit. It will provide you with the necessary information for correct use of the kit.

Remove the chemical test kit from the packing material and examine it carefully to make sure that no damage has occurred during shipping. If there is any noticeable damage, notify your Dealer or the nearest Hanna office immediately.

Each kit is supplied with:

- HI 93722-0 Reagent, packets (100 pcs);
- 1 glass test tube (25 mL);
- 1 plastic vessel (50 mL);
- 1 plastic pipette (3 mL);
- 1 spoon.

Note: Any damaged or defective item must be returned in its original packing materials.

ISTR3851 10/99 PRINTED IN ITALY

SPECIFICATIONS

Range	10 to 100 mg/L (ppm) as Cyanuric Acid
Smallest Increment	5 mg/L from 10 to 30 mg/L 10 mg/L from 30 to 100 mg/L
Analysis Method	Turbidimetric
Sample Size	25 mL
Number of Tests	100
Case Dimensions	275x57x78 mm (10.8x2.2x3.1")
Shipping Weight	195 g (6.9 oz.)

SIGNIFICANCE AND USE

Cyanuric Acid (CYS) is widely applied in swimming pools to slow down the decomposition of chlorine. In outside pool areas, this process is accelerated by the effect of ultraviolet rays. With a correct dose, it can save up to 80% of normal chlorine consumption in pools during peak sunny months. Cyanuric acid is also used in chlorinated bleaches and selective herbicides.

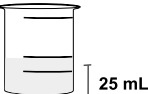
Note: mg/L is equivalent to ppm (parts per million).

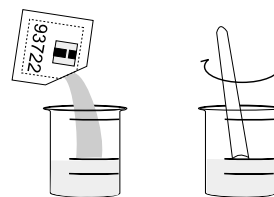
CHEMICAL REACTION


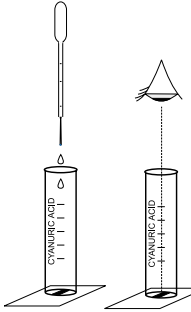
The reaction between cyanuric acid and the reagent causes a white suspension in the sample. The turbidity is proportional to the concentration of cyanuric acid.

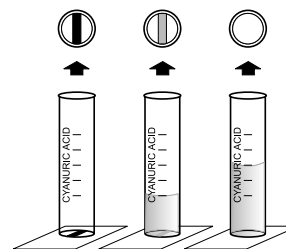
INSTRUCTIONS

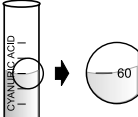
READ THE ENTIRE INSTRUCTIONS BEFORE USING THE KIT

- Fill the plastic vessel with 25 mL of the sample, up to the mark. 
- Add 1 packet of HI 93722-0 reagent and, using the spoon, mix gently to dissolve.



- Wait for 1 minute to allow reaction to occur. 
- Keep the test tube on a white surface and look from the top at the black line visible on the bottom of the tube. Use the plastic pipette to fill the vial drop by drop with the reacted sample until the black line has completely disappeared. 



- Read the concentration in mg/L (ppm) of Cyanuric Acid in correspondence of the level of the liquid in the test tube. 

Note: In the case the line on the bottom disappears with the liquid level under the 100 ppm mark, the cyanuric acid concentration is higher than 100 ppm; in the case the line disappears above the 10 ppm mark, the cyanuric acid concentration is lower than 10 ppm.

REFERENCES

Adaptation of the turbidimetric method.

HEALTH AND SAFETY

The chemicals contained in this kit may be hazardous if improperly handled. Read Health and Safety Data Sheet before performing this test.