



**HATENBOERWATER**

*Fresh in water since 1906.*

## Hadex® Checkit

### Drinking water test kit for Hadex®

### Drinking water disinfectant

#### Clean water ... Safe water?

The importance of water to life is self-evident. Water is the basis of our lives. However, water is also one of the major source of infection, and the cause of many forms of illness. Bacteria, algae and other micro-organisms can develop extremely quickly in water and just like food, water deteriorates.

Pure and drinkable water can not be taken for granted. Hadex® ensures that drinking water is safe.

Hadex® is a safe, effective and easily applied product, especially intended for disinfecting drinking water in tanks and pipelines. Hadex® keeps the water also in good condition.

There are three (3) basic dosages for drinking water treatment in most situations.

1. Normal dosage, 1 liter Hadex® on 50 m<sup>3</sup> (50.000 liters) of drinking water.
2. Extra dosage, 1 liter Hadex® on 25 m<sup>3</sup> (25.000 liters) of drinking water.
3. High dosage (shock treatment), 1 liter Hadex® on 5 m<sup>3</sup> (5.000 liters) of drinking water.

This high dosage (shock treatment) should also be used as an initial treatment for the disinfection of the tanks and pipelines after repairs or renewals. For the exact description of the different dosages we would like to direct you to the Hadex® dosing sheet.

#### Measuring

The Hadex® Checkit is a compact, handy colorimetric unit which is suitable to measure the amount of available Hadex® in your potable water. The test kit has a range of 0 – 2 mg/ltr.

#### Free and total chlorine

One of the active ingredients in Hadex® is Sodium Hypochlorite. When added the local circumstances like water quality, type of and quality of the water lines and the total water usages will determine the amount of Hadex® that will be formed into free and bounded chlorine.

The amount of free chlorine gives an indication of the yet available amount of Hadex® in your potable water. The minimum amount of active Hadex® in your potable water must be approx 0,1 – 0,5 mg/ltr on a tap point which has a high risk of biological contamination.

Total chlorine is the concentration of the total amount of chlorine (free and combined chlorine) in the water.



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## Test kit

Together with the comparator the test kit includes a Checkit Disc, two sample cells, stirring rod and tablet reagent for free chlorine (30 pcs),

## Directions for use

1. Place the Checkit Disc in the comparator with numeric values facing the operator.
2. Place the cell with the tablet in the right- compartment of the comparator and the cell with the untreated sample in the left-hand compartment.
3. Rotate the Checkit disc until the optimum colour match is achieved. The result is shown in the bottom right-hand result window.

## Options

### Testpak

The testpak is a simple and cost-effective means of extending the use of an existing Checkit comparator instrument to a new test parameter. Each testpak contains the required Checkit Disc, tablet reagents (normally 30 tests), two cells, stirring rod and detailed instructions for the desired method.

### Sample Cells

The Hadex® Checkit is supplied with 10 ml sample cells. These sample cells have a path length of 13,5 mm en supplied complete with a cap in a box of 10 pcs.

### Reagents

The reagents used in the Hadex® Checkit are of a rapid dissolving type. When a tablet is used you are always assured that a sufficient amount of reagents is available for a correct reading. Each tablet is packed separate and have a standard shelf live of 5 years and sometimes even 10 years.

### Spare parts

- 511312 DPD 1 Rapid (500 pc) free chlorine
- 511292 DPD 3 Rapid (500 pc) total chlorine
- 145500 Sample Cells 10 ml with cap (10 pc)



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