HI3840 Total Hardness Test Kit

The HI3840 is a titration-based chemical

test kit that determines the total hardness

concentration within the 0 to 150 mg/L

range. The HI3840 is supplied with all of

the necessary reagents and equipment to

perform the analysis. The test kit contains

enough reagents for perform approximately

· All required materials are included

Readings from 0 to 150 mg/L are

Replacement reagents available

Significance of Use

water pipes.

determined to 5 mg/L resolution.

There is no need to buy a new kit

when reagents are exhausted. The

the reagents supplied with the kit.

Water hardness has traditionally been

defined as the capacity of water to precipitate

soap. The ionic species in the water causing

the precipitation was later found to be

primarily calcium and magnesium. Thus,

water hardness is actually a quantitative

measure of these ions in the water. It is also

now known that certain other ion species,

such as iron, zinc, and manganese contribute

to the overall water hardness. The measure

and subsequent control of water hardness

is essential to prevent scaling and clogging in

HI3840-050 can be ordered to replace

with the test kit, such as the sample

beaker and reagent dropper bottle.

Low Range

50 tests.

Complete setup

• High resolution



HI3841 Total Hardness Test Kit



Medium Range The HI3841 is a titration-based chemical test kit that determines the total hardness concentration within the 40 to 500 mg/L range. The HI3841 is supplied with all of the necessary reagents and equipment to perform the analysis. The test kit contains enough reagents for perform approximately

Complete setup

50 tests.

- All required materials are included with the test kit, such as the sample beaker and reagent dropper bottle.
- High resolution • Readings from 40 to 500 mg/L are determined to 20 mg/L resolution.
- Replacement reagents available
 - There is no need to buy a new kit when reagents are exhausted. The HI3841-050 can be ordered to replace the reagents supplied with the kit.

Significance of Use

Water hardness has traditionally been defined as the capacity of water to precipitate soap. The ionic species in the water causing the precipitation was later found to be primarily calcium and magnesium. Thus, water hardness is actually a quantitative measure of these ions in the water. It is also now known that certain other ion species, such as iron, zinc, and manganese contribute to the overall water hardness. The measure and subsequent control of water hardness is essential to prevent scaling and clogging in water pipes.

HI3842 Total Hardness Test Kit High Range



The HI3842 is a titration-based chemical test kit that determines the total hardness concentration within the 400 to 3000 mg/L range. The HI3842 is supplied with all of the necessary reagents and equipment to perform the analysis. The test kit contains enough reagents for perform approximately 50 tests.

Complete setup

- · All required materials are included with the test kit, such as the sample beaker and reagent dropper bottle.
- High resolution
 - Readings from 400 to 3000 mg/L are determined to 100 mg/L resolution.
- Replacement reagents available
 - There is no need to buy a new kit when reagents are exhausted. The HI3842-050 can be ordered to replace the reagents supplied with the kit.

Significance of Use

Water hardness has traditionally been defined as the capacity of water to precipitate soap. The ionic species in the water causing the precipitation was later found to be primarily calcium and magnesium. Thus, water hardness is actually a quantitative measure of these ions in the water. It is also now known that certain other ion species, such as iron, zinc, and manganese contribute to the overall water hardness. The measure and subsequent control of water hardness is essential to prevent scaling and clogging in water pipes.

Specifications	HI3840 Total Hardness (*as CaCO ₃)
Туре	titration
Range	0-150 mg/L (ppm)
Smallest Increment	5 mg/L (ppm)
Method	EDTA
Number of Tests	50 avg.
Ordering Information	HI3840 test kit comes with 30 mL hardness LR reagent and 50 mL calibrated vessel.
Reagent	HI3840-050 total hardness LR (*as CaCO ₃), 50 tests avg.

HI3841 Total Hardness Specifications (*as CaCO₃)

Type titration Range 40-500 mg/L (ppm) Smallest Increment 20 mg/L (ppm) Method EDTA Number of Tests 50 avg. HI3841 test kit comes with Ordering 30 mL hardness MR reagent and Information 50 mL calibrated vessel. HI3841-050 total hardness MR Reagent (*as CaCO₃), 50 tests avg.

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Specifications	HI3842 Total Hardness (*as CaCO₃)
Туре	titration
Range	400-3000 mg/L (ppm)
Smallest Increment	100 mg/L (ppm)
Method	EDTA
Number of Tests	50 avg.
Ordering Information	HI3842 test kit comes with 30 mL hardness HR reagent and 50 mL calibrated vessel.
Reagent	HI3842-050 total hardness HR (*as $CaCO_3$), 50 tests avg.

Chemical Test Kits