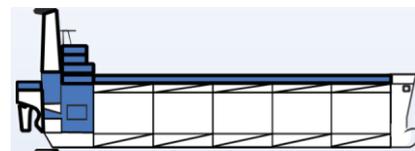


ALPHA HARDNESS TEST KIT

TEST KIT FOR DETERMINING HARDNESS
IN ALL WATER SOURCES ONBOARD



DESCRIPTION

ALPHA HARDNESS TEST KIT is a medium-range hardness kit for determining the total hardness in water, via a titrimetric method. Water hardness is a quantitative measure of calcium and magnesium ions in 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 water quality. According to WHO and water quality regulations of every country, drinking water must have a certain concentration of hardness (calcium carbonate). Furthermore, must be in specific range for the good condition of piping. Too low hardness should trigger evaluation of corrosive processes in the piping and existence of heavy metals due to corrosion. High hardness value causes scaling and clogging in water pipes.

APPLICATION

Determination of total hardness in water via a titrimetric method.

USE

Measuring Range: 40 to 500 ppm (mg/L) CaCO₃. Smallest Increment: 20 ppm.

Extremely simple to use. Only one step and instant readout

1. Fill the plastic vessel to the 50 ml mark with the water sample.
2. Add drops of the reagent until the colour changes to pink and then to blue (titration end point), while swirling the sample after each drop and counting the drops needed to reach the end point.
3. Use the provided Conversion Table to determine the hardness, just by having counted the drops.

CONTENTS

ALPHA HARDNESS TEST KIT is sufficient for 50 tests and contains:

- Step-by-step instructions
- 30 mL hardness MR reagent
- 50 mL calibrated vessel
- Conversion Table

Replacements readily available.



- ✓ Potable water suitability for consumption
- ✓ Detection of possible corrosion of piping
- ✓ Piping scaling and clogging prevention
- ✓ Suitable for all water sources onboard
- ✓ Cost effective
- ✓ Simple and easy to use.
- ✓ Easy conversion to any kind of hardness degrees, thanks to comprehensive table.
- ✓ Light and portable
- ✓ Replacements readily available

PROBLEMS SOLVED

- ✓ Potable water suitability
- ✓ Piping scaling and clogging

APPLICATION AREAS

- ✓ All water sources onboard

PRODUCT CODE: WT 353