

TEST KITS

POTABLE WATER TEST KIT

HANDHELD KIT FOR ACCURATE AND AFFORDABLE DRINKING WATER QUALITY ANALYSIS (CHEMICAL & MICROBIAL)



DESCRIPTION

POTABLE WATER TEST KIT combines testing for chemical parameters for reliable assessments of potable water quality. Regular testing of drinking water quality is required to ensure the safety of people onboard and to protect the vessel infrastructure. **POTABLE WATER TEST KIT** includes testing for chemical parameters (chlorine, pH and cyanuric acid) and can be supplied with additional tests for microbial load (HPC, Enterobacteria, Total Coliforms and Escherichia coli (E.Coli)), to optimise your treatment plan and ensure water safety for people onboard.

- **High accuracy electronic tester**, ideal for monitoring outdoor pools
- **Lightweight kit design**, with space for all accessories and reagents
- **Easy to operate** and quick to deliver results
- **Global standard DPD method** for trusted results

Have full confidence in your results and data compliance. **POTABLE WATER TEST KIT** contains everything needed to monitor the drinking water onboard in compliance to **WHO guidelines, ILO 178 (2009), MLC (Maritime Labour Convention, 2006)** and **IHR (International Health Regulations, 2005)** requirements. It uses expert colorimetric analysis to deliver quick and clear results, enabling operators to optimise water chemistry, such as adjusting chlorination levels.

POTABLE WATER TEST KIT uses an EPA approved DPD method (and includes standard and extended range chlorine, removing the need for choice or dilution by including both standard (0 – 6 mg/L).

POTABLE WATER TEST KIT is lightweight, packaged in a sturdy case and includes all necessary reagents and accessories. With space for additional items including spare test tubes and check standards, there is no need to carry additional equipment.

The chemical parameters metering instrument is completely waterproof and suitable for humid environments. Whilst it is always recommended to keep the instrument and kit clean and dry, **POTABLE WATER TEST KIT** has been optimised for use in humid environments, with an advanced instrument sealing system and waterproof reagent box which can be restocked with reagent refill packs.

APPLICATION

Determination of Chemical Parameters (free/total chlorine, pH and cyanuric acid) and Microbial Load (HPC, Enterobacteria, Total Coliforms and Escherichia coli (E.Coli)), if supplied upon request, of drinking water onboard, disinfection, fruit and vegetable sanitation, swimming pools and spas.

- ✓ Potable water quality onboard
- ✓ Compliance to requirements of the Regulations: WHO guidelines, ILO 178 (2009), MLC (2006) and IHR (2005)
- ✓ Swimming pool & spa quality
- ✓ Fruit, vegetable and salad washing
- ✓ Testing of disinfection
- ✓ EPA approved DPD method
- ✓ Photometric monitoring: easy and accurate even for untrained personnel
- ✓ Can be supplied with additional tests for most common Microbial Load parameters
- ✓ Immediate results
- ✓ No need for calibration
- ✓ No buffer solutions
- ✓ Refill packs readily available

PROBLEMS SOLVED

- ✓ Potable water suitability
- ✓ Conformance with regulations
- ✓ Fruit and vegetable sanitation
- ✓ Water quality of swimming pools and spas

APPLICATION AREAS

- ✓ Potable water tanks
- ✓ Kitchen facilities
- ✓ Swimming pools

PRODUCT CODE: WT 352

USE

Chemical Parameters metering instrument: Follow the step-by-step instructions included. Very easy to operate, with only a few keystrokes and immediate results delivery.

Microbial Load monitoring tests: All common parameters are monitored, i.e. HPC, Enterobacteria, Total Coliforms and Escherichia coli (E.Coli) depending on the test that can deliver both the presence or not of Microbial Load, as well as a semi-quantitative estimation of the Load, so that precise actions are taken.

Microbial Load requires incubation. This can be achieved if samples are left at room temperature (20-25°C) for 2-3 days. Expedited results can be obtained within 24 hrs using the light weight -just over 1kg- Mini-Incubator that is offered as a spare part. Comes in a two voltage versions -110 V or 220V- a multirack and a thermometer. Robust and easy to clean.

Sampling: One sample should be directly from the tank and one sample at the furthest point of the distribution system (e.g. the tap at the bridge deck). The tank sample gives information about the quality of the water supply on board, while the bridge sample gives information about the quality of the water for the consumer.

It is recommended that Microbial Load be monitored at representative taps (e.g. drinking fountains). Monitoring should take place at each major servicing, in addition to regular spot checks while in service.

Records of readings must be documented. Documentation should be maintained for 12 months and should be available.

CONTENTS**Chemical Parameters metering instrument:**

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|------------------------------------|---|------------------------------------|---|
| • Instrument: | ✓ | • Hard carry case: | ✓ |
| • Instructions: | ✓ | • Crush/stir rods: | |
| • Test tubes: | 3 | • Stirring rod: | ✓ |
| • Brush: | ✓ | • Micro batteries (AAA), set of 4: | ✓ |
| • Initial reagent pack, including: | ✓ | Free Chlorine DPD 1: 100 tests | |
| | | Total Chlorine DPD 3: 100 tests | |
| | | pH: 100 tests | |
| | | Cyanuric Acid: 100 tests | |

**OPTIONAL PARAMETERS****Microbial Load monitoring tests:**

- ReadyCult Coliforms / E.Coli 20 tests
- ReadyCult Enterococci: 20 tests

Replacements readily available for all above parameters.

- Mini-Incubator: Available at 26W/220V & 26W/110V. Includes 1 Incubator, 1 Multirack, 1 Thermometer
- Turbidimeter: According to ISO 7027. Monitoring ranges:
 - 0.00 - 50.00 FTU (Resolution 0.01 FTU)
 - 50 - 1000 FTU (Resolution 1 FTU)
- Legionella Test Kit: Microbial Load. Portable and easy to use.
- Thermometers: According to customer specification. All range available.

For detailed information on safety and health, please refer to Material Safety Data Sheet and/or Product Label.

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