

INTRODUCTION

Water that is high in turbidity or color – such as seawater, wastewater, or ballast water - cannot be accurately tested for active chlorine using methods that require visual comparisons to color standards.

Regulatory authorities may require test methods that use spectrophotometers with standardized reagents that can compensate for color and turbidity, and provide accurate results for trace level determinations of residual chlorine in wastewater, ballast water, or other vessel discharges.

DESCRIPTION

The DREWCHECK CLN Meter Kit contains all of the components necessary to conduct free and total chlorine measurements in turbid or colored water samples. The kit is designed for shipboard use to accurately measure for low levels of chlorine (0.02 ppm to 2.00 ppm). It is particularly effective for measuring low levels of free residual chlorine in drinking water, and total residual chlorine in turbid or colored waters subject to discharge regulations.

The DREWCHECK CLN Meter is an advanced spectrophotometer that is able to compensate electronically for color or turbidity in a sample by quantitatively measuring optical interference – prior to adding test reagents - and subsequently adjusting the measured value in a treated sample. The advanced microprocessor stores up to 10 measurements.

FEATURES

- Spectrophotometric Method
- Vacuum sealed ampoules with premeasured reagents
- Measures Free and Total Chlorine
- Rugged, lightweight design
- Backlit display
- Few steps to complete tests
- Advanced microprocessor

DREWCHECK CLN Ampoules are vacuum sealed reagents, in optical-grade glass, that are protected from oxidation, moisture, and contamination. When immersed and opened within a sample, the vacuum sealed ampoules precisely draw the correct amount of sample inside, where it mixes with premeasured reagents, making tests fast, easy, and accurate.

REGULATORY COMPLIANCE

Final EPA Vessel General Permit 2013 & Standard Method 4500 CL G

When used as directed, the DREWCHECK CLN Meter Kit complies with the internationally accepted Standard Method 4500 CL G. The method is approved for free chlorine determination in drinking water by the US EPA, and is also specified in the US EPA Final Vessel General Permit 2013 for ballast water where the maximum limit for total residual oxidant (as chlorine) is 100 µg/L (0.10 ppm).

GENERAL INSTRUCTIONS

Safety Information: Read reagent SDSs before performing this test procedure.

Use instructions are included with each kit. Refer to the instructions manual for proper usage and equipment care.

BENEFITS

- Highly accurate even for colored and turbid samples
- US EPA Approved for ballast, wastewater, and potable water testing
- Not subject to visual acuity of the operator
- Fast, easy, and accurate tests; not subject to operator error or contamination
- Confirms adequate free available chlorine in drinking water
- Confirms discharges do not exceed limits for total chlorine residuals
- Durable and easy to use on board ships
- Easy to read regardless of lighting conditions
- Easy to learn and execute
- Stores last 10 measurements, compensates for optical interference



Contact your Drew Marine representative for more information

REORDER INFORMATION

DREWCHECK CLN Meter Kit (PCN 1AA9702) contains:

- Colorimeter
- 2 sample cells
- 4 x AAA alkaline batteries
- DREWCHECK CLN Chlorine Ampoules (1 box of 25)
- Total Chlorine Reagent (30ml)
- Beaker, 100 ml
- Instructions Description

ITEMS AVAILABLE SEPARATELY

Description	PCN
DREWCHECK CLN Chlorine Ampoules	0396029*
Beaker, 100 ml	0247016

* Includes 25 ampoules and 1 x 30 ml Total Chlorine Reagent.

IMPORTANT INFORMATION

Drew Marine maintains Safety Data Sheets on all of its products. Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees.

Our Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Drew Marine products.



Drew Marine®

400 Captain Neville Drive
Waterbury, CT 06705 USA
1-973-526-5700
Drew-Marine.com

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