

# MINNCARE®

## Peracetic Acid Test Strips



Minncare 1% Test Strips



### Minncare Test Strips Offer:

- Fast test results
- Convenient ready-to-use test system
- No mixing or dilutions
- Simple, easy to use procedures



Minncare Residual Test Strips

# Quick results and easy-to-read indicators.

Minnicare® test strips provide quick results with easy-to-read indicators. Use the Minnicare® 1% TS test strips as a pass/fail measurement for adequate concentration of sterilant after dilution. Then, verify residual levels after rinse-out using Minnicare® Residual Test Strips.

Minnicare Peracetic Acid Test Strips represent the leading edge of test strip technology. Designed by the producers of Minnicare® Cold Sterilant, these test strips combine ease-of-use with precise results.

## Minnicare® 1% Test Strips

Minnicare® 1% Test Strips verify adequate concentration of a 1% Minnicare® solution during sanitization of your high purity water system. These convenient dip-and-read strips can be used at any test port in your system to provide an accurate pass/fail measurement of Minnicare® solution.

## Minnicare® Residual Test Strips

Minnicare® Residual Test Strips are easy-to-use and are conveniently packaged 100 test strips per container. Each strip has a "reaction zone" pad located at one end of the strip. When stored and used properly, the test strip pad can indicate residual Minnicare® levels as low as 1 part per million (ppm). The reaction zones are set to provide six different reading levels at 100, 30, 10, 3, 1 and 0 (zero) parts per million.

Both the Minnicare® 1% TS and the Minnicare Residual Test Strips may be used up to the date of expiration printed on the container even after opening. There is no need to separately record and verify container opening dates.

**To Order:**

**Call: (800) 255-1032**

## Ordering Information

Model	Description
78338-000 . . . .	Minnicare® Residual Test Strips (100 Strips)
89330-000 . . . .	Minnicare® 1% TS Peracetic Acid Test Strips (100 Strips)



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# FIBERCOR™

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## MINNCARE RESIDUAL TEST STRIPS

The following is the reaction equation that pertains to the residual test strips:



The Chromogen is Diaminoflorene.

MINNTECH CORPORATION  
INTERNAL MEMORANDUM

August 5, 1993

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TO: Jeff Nidetz

FM: Bob Johnson 

SJ: Minncare™ Residual Test Strips - PN 47011-002

Each lot of residual test strips is inspected per procedure IP47011-000 and reference procedure 20002-074.

We test a statistical sample at 0, 1, 3, 10, 30 and 100 mg/l (ppm) concentrations of the active ingredient. These strips are verified at a 5 second exposure time to the test strip color. They must indicate between the next smaller concentration on the scale and the actual concentration used. Lots which do not meet this criteria are rejected.

I have attached copies of the inspection procedures and the lot history record for your review.

History	Released	Revised
(Date, GCO No.)	1-4-85 GCO #2449 Rev. A	2-13-85 GCO #2463 Rev. B

Approvals: \* Engineering  
Quality Assurance  
Documentation  
Production \*Approvals on file in Documentation

I. Purpose

To define the functional testing requirements for the peroxide test strips.

II. Required Equipment and Supplies

1. Stop watch with 1 sec. or smaller resolution.
2. Solutions of 0, 1, 3, 10, 30, and 100 mg/1 (ppm) of hydrogen peroxide (USP or better) to DI water. (To be mixed at time of test by RSI chemistry lab.)

III. Procedure

1. Using stop watch for time reference, place 16 test strips, one at a time, into each one of the 6 solutions for one second. Remove test strip, wait 5 seconds, and compare to color chart on container labeled with "mg/1 (ppm) H<sub>2</sub>O<sub>2</sub>".
2. An unacceptable response shall be when the test strip color indicates a concentration less than or equal to the next smaller concentration from that being used or when the test strip color indicates a concentration greater than that being used. Unacceptable responses are to be documented in detail on inspection report.

RELEASED *MD*



**Q.C. RECEIVING INSPECTION  
Inspection Procedure**

By: Bill Cowette

Date: 7/06/90

On: Test Strip

Peroxide Test Strip  
Procedure # IP47011-000

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REV/IGO	A 2449	B 3268	C ----	D ----	E ----	F ----	G ----	H ----	I ----
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TEST NO	CHARACTERISTIC	SAMPLING PROCEDURE AND PLAN PER MIL STD 105D	TESTING METHOD	ACCEPT/REJECT CRITERIA
A.	Functional			
1.	Performance test of peroxide test strips.	Pull 16 containers of 100 ea. at random. Remove 6 strips from each of the 16 containers using replacement. Discard the remaining partial container of 4 test strips. Remember to adjust quantity because of destructive testing.	20002-074	No unacceptable responses per Testing Method allowed.
B.	Visual			
1.	Container color chart labeled with "mg/l (ppm) H <sub>2</sub> O <sub>2</sub> " and mfr.'s lot number to be the same on all containers.	Level I, 1.0 AQL	Visual	Characteristic (1st Column)
2.	Missing, loose and/or poorly bonded reagent pads on strip.	Level II, .40 AQL	Visual	Characteristic (1st Column)
3.	Reagent pad color should approximate the 0 ppm color chart color.	Level II, .40 AQL	Visual	Characteristic (1st Column)
4.	Cans that are dirty, empty, damaged, etc.	Level II, .40 AQL	Visual	Characteristic (1st Column)