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## **Product Technical Fact Sheet**

Product Code: PPX05V100

Product Description: Low level Peroxide Test Strips 0-25 ppm

Application: The Low Level Peroxide test strip detects residual peroxide in water, for example, in drinking water, pools, and hot tubs where hydrogen peroxide was used as a disinfectant.

Test Range: 0-25 ppm

Test Increments: Color chart calibrated at 0, 0.5, 2, 5, 10, 25 ppm

Accuracy: +/- ½ color chart unit

Detection Limit: 0.25 ppm

Storage Recommendations: Store in original packaging in a cool (20-30C), dry, place out of direct sunlight.

Shelf-Life: Two years from date of manufacture when stored properly in original packaging.

Interferences: Test strip may react to other oxidizing materials, peracetic acid, chlorine, etc. Sodium Metabisulfite will interfere with the test strip. This test is highly sensitive to light, direct sunlight coming into contact with the pad during testing can interfere with results.

### Instructions for Use:

1. Dip the test strip into the test solution and immediately remove.
2. Shake test strip to remove excess liquid.
3. Immediately compare pad color to chart.

Note: Discard test strip after 60 seconds. Any color change beyond this point should be disregarded.

Chemistry Behind the Test: The test pad is treated with a formula consisting of buffers, surfactants, a red-ox Indicator, and an enzyme. The enzyme makes the strip very sensitive to peroxide. The presence of peroxide causes the red-ox to develop color. The intensity of the color developed is proportional to the amount of peroxide present.

Other Information: The peroxide test strips were developed to work with solutions prepared from concentrated solutions of hydrogen peroxide. Some formulations of hydrogen peroxide contain surfactants to create an "accelerated" peroxide solution. These "accelerated" solutions may work with the test strips but almost always require a custom color chart to be developed