

Product Technical Fact Sheet

Product Code: PER-100

Product Description: Low level Peroxide Test Strips 0-100 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: 0-100 ppm

Accuracy: +/- ½ color chart unit

Increments: Color chart calibrated at 0, 1, 3, 10, 50, 100 ppm

Detection Limit: 0.5 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.

Instructions for Use:

1. Remove one test strip from the vial. Do not touch the test pad with your fingers.
2. Dip the test strip into the solution being tested for 1 second.
3. Remove and shake off any excess liquid.
4. Compare the test pad to the color chart after 10 seconds.

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.

Disclaimer: The peroxide test strips are not intended for use to diagnose, treat, or monitor any medical condition.