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## Product Technical Fact Sheet

Product Code: CHL-05

Product Description: Residual Chlorine Test Strips 0-5 ppm

### Application:

The 0-5 ppm Residual Chlorine test strip is used to detect available (free) chlorine at level usually associated with potable water. The test strip can be used to monitor the level at a point of use source (tap). The strip can also be used by water treatment facilities to monitor available chlorine levels in water being discharged through a community system. An additional application involves using the strip in conjunction with field-based water purifying systems.

Test Range: 0-5 ppm

Test Increments: Color charts calibrated at 0, 0.5, 1.0, 3.0, and 5.0 ppm and 0, 0.3, 0.5, 1.0, 2.0, and 5.0 ppm are available

Accuracy: +/- ½ color chart unit

Detection Limit: 0.15 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, peroxide, etc.

Instructions for Use: Follow the label instructions for the color chart being used.

### Chemistry Behind the Test:

The test pad is treated with a formula consisting of buffers, surfactants, and red-ox indicators. The presence of free chlorine in a sample causes the red-ox indicator in the test pad to develop color. The intensity of the color developed is proportional to the amount of free chlorine present.

### Other Information:

The Active Chlorine test strips were developed to work with solutions prepared from concentrated solutions of sodium hypochlorite.

### Disclaimer:

The Residual Chlorine test strips are not intended for use to diagnose, treat, or monitor any medical condition.