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Product Technical Fact Sheet

Product Code: PHOS

Product Description: Phosphate Test Strips

Application:

The Phosphate test strip measures orthophosphate levels in water from 0-100 ppm, expressed as Phosphorous (not Phosphate). This test strip is useful for measuring phosphorous/phosphate levels in solutions such as detergents). It is not sensitive enough to use for typical drinking water applications.

Test Range: 0-100 ppm as Phosphorous

Test Increments: Color chart calibrated at increments of 0, 10, 25, 50, and 100 ppm (as Phosphorous)

Accuracy: +/- ½ color chart unit

Detection Limit: 5 ppm

Conversion of Result to Phosphate: Multiply result by 3

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:

- Arsenate and silicates above 20 ppm may cause a false positive
- Fluoride, chlorides, and nitrites above 50 ppm may depress the reaction
- Heavy metals may depress the result
- Significant quantities of oxidizing compounds may depress the result
- pH and temperature can also affect the result. The pH of the solution being tested should be in the range of 6-9. A temperature range of 18-30C is recommended.

Instructions for Use:

1. Remove one test strip from vial. Dip test strip into test solution for 1 second.
2. Remove strip and after 3 minutes compare test pad to color chart.

Chemistry Behind the Test:

The test pad is treated with a formula consisting of buffers, surfactants, reducing agents, and indicators. The test strip is based on the Molybdenum Blue test method.

Disclaimer:

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