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Certificate of Analysis

Product Code: [33817-P](#)

Product Description: Phosphate Test Strips 0-100ppm

Each lot of test strips is tested both for precision and accuracy.

This test strip detects orthophosphate ions and expresses the result as ppm phosphorous in increments of 0, 10, 25, 50, and 100ppm. The strip is composed of two stacked filter pads. To express the result as phosphate, multiply the result by 3.

Precision Testing

10 strips from each lot are tested using standards prepared from ACS grade chemicals.

Strips are evaluated on a pass/fail basis.

All 10 strips must pass (all develop color with little or no variation in response) for the lot to be acceptable.

Accuracy Testing

Phosphorous standards are prepared by serial dilution of stock solutions.

Standards are prepared at values of 10, 25, 50, and 100ppm

Each standard is prepared using ACS grade chemicals and deionized water.

Following the label instruction, test strips are tested using each standard with results determined by comparing the color developed by the strip against an approved color chart.

Test strips are accepted if the color developed for the standard being evaluated visually falls within $\pm 1/2$ color unit.

The test strips are guaranteed to perform to specification for a minimum of two years from the date of manufacture (lot) date provided the test strips are stored in the original container and kept in a cool, dry environment out of direct sunlight.