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## CERTIFICATION OF ANALYSIS

Product Code: [33815-P100](#)

Product Description: Peroxide Test Strips, 0-100 ppm

The peroxide test strips consist of a chemically treated cellulose test pad (5mm<sup>2</sup>) adhered to a vinyl plastic backing. The paper is treated with a chemical mixture consisting of an enzyme specific for peroxide, an indicator dye suitable for the range required, and various other chemicals – buffers, surfactants, etc.

Prior to release for sale, each lot of test strips is tested both for precision and accuracy. A verified color chart is used to evaluate the lot.

### Precision Testing

- 10 strips from each lot are tested simultaneously in a peroxide standard which has been verified using a secondary test kit method.
- Strips are evaluated on a pass/fail basis.
- All 10 strips must pass (little or no variation in color) for the lot to be acceptable.

### Accuracy Testing

- Peroxide standards are prepared by serial dilution of ACS grade 30% peroxide.
- Standards are prepared at values of 1, 3, 10, 50, and 100 ppm.
- Each standard is verified using a secondary test kit method.
- 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 +/- ½ color unit.

<u>Standard Value (ppm)</u>	<u>Acceptable Range (+/- ½ color unit)</u>
100	75-100+
30	30-75
10	7-30
3	2-7
1	0-2

The test strips are guaranteed to perform to specification for a minimum of 3 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.