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Certificate of Analysis

Product Code: **33817-NN**

Product Description: Nitrite/Nitrate Combo Test Strips

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

Precision Testing

- 10 strips from each lot are tested using standards prepared from ACS grade chemicals.
- Nitrite standard = 1 ppm Nitrate standard = 25 ppm
- 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

- Nitrite and Nitrate standards are prepared by serial dilution of stock solutions.
- Standards are prepared at
 - Nitrite values of 0.5, 1.0, 5.0, 10, and 25 ppm nitrite ion
 - Nitrate values of 10, 25, 50, 100, 250, and 500 ppm nitrate ion
- 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 +/- ½ 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.