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## Certificate of Analysis

Product Code: [33817-AMM](#)

Product Description: Ammonia Test Strips 0-100ppm

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

This test strip detects ammonia in increments of 0, 10, 25, 50, and 100ppm.

The Low Level Ammonia test strip is designed to work for the detection of ammonia (NH<sub>3</sub>/NH<sub>4</sub><sup>+</sup>) in water.

The strip is composed of two filter pads. The first filter pad acts as an absorbent and takes up the water sample. The first pad has been treated with alkaline materials. This alkaline environment converts any ammonia to the gaseous state.

The second filter pad is a hydrophobic material that has been treated in such a manner that only the gaseous ammonia is absorbed by the second filter pad. The second filter pad contains indicators capable of detecting the gaseous ammonia through a change in the pH of the filter pad

### 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

Ammonia 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 +/- 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.