Precision LABORATORIES

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Product Technical Fact Sheet

Product Code: AMM-6
Product Description: Ammonia Test Strips, 0-6 ppm (as Ammonia-Nitrogen)

Application:

The 0-6 ppm Ammonia Test Strips measure levels Ammonia (NH_3) and Ammonium ions (NH_4^+) in water-based samples. The results are expressed as ppm Ammonia-Nitrogen (NH_3-N). These strips are typically used in applications such as aquarium water testing, where high levels of ammonia are dangerous for aquatic species.

Test Range: 0-6 ppm
Test Increments: Color chart calibrated at 0, 0.5, 1.0, 3.0, and 6.0 ppm as Ammonia-Nitrogen (to express results as Ammonia multiply the result by 1.2.
Accuracy: +/- ½ color chart unit
Detection Limit: 0.25 ppm

Storage Recommendations and Shelf-Life:

Store in original packaging in a cool (20-30C), dry, place out of direct sunlight. Two years from date of manufacture when stored properly in original packaging.

Interferences: The strip design limits the interference from cyanide, iron, manganese, calcium ions.

Instructions for Use:

1. Remove one test strip from the container and replace the lid.
2. Dip the test strip into the water to be tested so that the pad is immersed.
3. Keep the pad submersed for 5 seconds.
4. Remove test strip and shake off excess water.
5. Compare strip to the color chart after 1 minute.

Chemistry Behind the Test:

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 ammonium ions to the gaseous state. The second filter pad is an hydrophobic material that has been treated in such a manner that only the gaseous ammonia present in the sample or generated by the alkaline treatment is absorbed by the second filter pad. The second filter pad contains an indicator(s) capable of detecting the gaseous ammonia through a change in the pH of the filter pad.

Disclaimer:

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