

HI3824

Ammonia Test Kit

for Fresh Water

The HI3824 is a colorimetric chemical test kit that determines the ammonia concentration in fresh water within a 0.0 to 2.5 mg/L (ppm) range as NH₃-N. The HI3824 is supplied with all of the necessary reagents and equipment to perform the analysis. The test kit contains enough reagents for perform approximately 25 tests.

- **Complete setup**
 - All required materials are included with the test kit, such as the sample beaker, color comparison cube, and reagent dropper bottles.
- **High resolution**
 - Readings from 0.0 to 2.5 mg/L NH₃-N are determined to 0.5 mg/L resolution.
- **Replacement reagents available**
 - There is no need to buy a new kit when reagents are exhausted. The HI3824-025 can be ordered to replace the reagents supplied with the kit.

Significance of Use

Groundwater normally contains ammonia due to bacterial decay of plants and animals. However, concentrations of ammonia in rivers and drinking water reservoirs may indicate the presence of agricultural runoff or urban pollution. When the concentration of ammonia is high enough, it can alter the smell and taste of water. In industrial applications, high concentrations of ammonia can cause corrosion in pipes. Ammonia is also monitored in fresh water aquariums and fish farming applications because of its toxicity to fish.

HI3826

Ammonia Test Kit

for Seawater

The HI3826 is a colorimetric chemical test kit that determines the ammonia concentration in seawater within a 0.0 to 2.5 mg/L (ppm) range as NH₃-N. The HI3826 is supplied with all of the necessary reagents and equipment to perform the analysis. The test kit contains enough reagents for perform approximately 25 tests.

- **Complete setup**
 - All required materials are included with the test kit, such as the sample beaker, color comparison cube, and reagent dropper bottles.
- **High resolution**
 - Readings from 0.0 to 2.5 mg/L NH₃-N are determined to 0.5 mg/L resolution.
- **Replacement reagents available**
 - There is no need to buy a new kit when reagents are exhausted. The HI3826-025 can be ordered to replace the reagents supplied with the kit.

Significance of Use

Concentrations of ammonia in rivers, estuaries, and bays may indicate the presence of agricultural runoff or urban pollution. When the concentration of ammonia is high enough, it can prove toxic to aquatic life, affecting the survival, growth, and reproduction rates of various marine species. In industrial applications, high concentrations of ammonia can cause corrosion in pipes.

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Specifications	HI3824 Ammonia (as NH ₃ -N) in fresh water
Type	colorimetric
Range	0.0-2.5 mg/L (ppm)
Smallest Increment	0.5 mg/L (ppm)
Method	Nessler
Number of Tests	25 avg.
Ordering Information	HI3824 test kit comes with 20 mL plastic beaker, color comparison cube, 20 mL ammonia reagent 1 (for fresh water) and 20 mL Nessler reagent.
Reagent	HI3824-025 Ammonia (fresh water) (as NH ₃ -N), 25 tests avg

Specifications	HI3826 Ammonia (as NH ₃ -N) in saltwater
Type	colorimetric
Range	0.0-2.5 mg/L (ppm)
Smallest Increment	0.5 mg/L (ppm)
Method	Nessler
Number of Tests	25 avg.
Ordering Information	HI3826 test kit comes with 20 mL plastic beaker, color comparison cube, 20 mL ammonia reagent 1 (for seawater) and 20 mL Nessler reagent.
Reagent	HI3826-025 Ammonia (seawater) (as NH ₃ -N), 25 tests avg