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Product quotation

## HANNA Water Hardness Testing Kit



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### HANNA Water Hardness Testing Kit

#### Product Description:

The HANNA HI3812 Water Hardness Testing Kit is a highly accurate chemical test kit designed for measuring total water hardness in a variety of water sources. This comprehensive kit allows for quick and reliable testing of both calcium and magnesium levels, giving an accurate total hardness result. Ideal for use in laboratories, water treatment plants, or at home, this test kit is an essential tool for ensuring optimal water quality. With an easy-to-use titration method, the HANNA HI3812 provides precise results, making it perfect for professionals and beginners alike.

#### Key Specifications:

**Model:** HANNA HI3812

**Type:** Water Hardness Testing Kit

**Method:** Titration using EDTA

**Measurement Range:** Calcium Hardness: 0 to 500 mg/L (ppm) CaCO<sub>3</sub>

**Magnesium Hardness:** Calculated by subtracting calcium hardness from total hardness

**Total Hardness:** 0 to 500 mg/L (ppm) CaCO<sub>3</sub>

**Accuracy:** ±5% of full scale

**Sample Volume:** 50 mL for each test

**Resolution:** 10 mg/L (ppm) increments

**Testing Method:** Manual titration with color change endpoint

### Kit Contents:

Reagents:

**1.HI3812A-0:** Total Hardness Reagent

**2.HI3812B-0:** Calcium Hardness Reagent

**3.EDTA Solution:** For titration of calcium and magnesium ions

Each reagent is pre-measured and ready to use

### Accessories:

**50 mL Beaker:** For water sample collection

**Plastic Pipette:** For precise addition of reagents

**Titration Syringe:** For accurate measurement of EDTA solution

**Color Indicators:** For visible change during titration

**Instruction Manual:** Step-by-step guide for easy testing

### Features of HANNA Water Hardness Testing Kit:

**Easy-to-Use:** Simple manual titration process with clear color change for endpoint detection.

**Portable Design:** Compact and lightweight kit, suitable for field testing or in-lab use.

**Fast and Reliable:** Provides accurate results within minutes, perfect for routine water quality testing.

**Durable and Reusable:** Designed for multiple tests with enough reagents for approximately 100 tests.

Applications:

**Domestic Use:** Ideal for homeowners testing water hardness in their drinking water or plumbing systems.

**Industrial Use:** Essential for water treatment plants, swimming pools, and boiler systems to ensure proper water hardness levels.

**Aquarium and Fish Farms:** Ensures optimal water conditions for aquatic life.

**Laboratories:** Suitable for scientific analysis of water hardness in research settings.

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**When it comes to selecting a water related product, Aquafit Technologies stands out as a top choice for several compelling reasons. Here's why our clients prefer us over others:**

**1. Economical Pricing:** We offer high-quality product at competitive prices, ensuring that you get the best value for your money without compromising on quality.

**2. Rapid Service:** Our dedicated team provides quick and efficient service, addressing any issues or queries promptly to ensure your purifier remains in optimal condition.

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**7. 24/7 Service Centers: Our service centers operate around the clock, offering support whenever you need it, including evenings and weekends.**

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