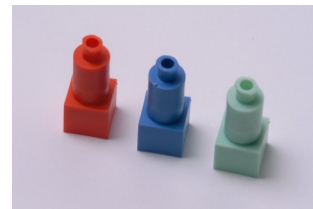


ANDalyze™ Heavy Metal Sensors

ANDalyze's proprietary Catalytic DNA sensors use a DNAzyme reaction that fluoresces in the presence of a target contaminant substance such as lead. The fluorescence of the reaction is measured to determine the concentration of the target heavy metal and is reported in parts per billion (ppb).

The sensors are designed to be used with the AND1000 Fluorimeter as shown in the second photo (See separate product specifications at www.andalyze.com).

Using the product to test for lead is a simple, quantitative test that allows for detection of lead at or below EPA standards for lead in drinking water. The test is performed by taking a 1 milliliter water sample, injecting it through the sensor, and into the AND1000 fluorimeter. This sample is then automatically analyzed and reports results in less than two minutes.



- **Fluorescence Based Sensing** - DNAzyme reaction produces quantitative fluorescence based results.
- **Sensor Kit** - Each disposable color-coded sensor is designed for a specific heavy metal test target. Kits provide sampling tubes, syringes and cuvettes. Contact ANDalyze for kits and accessory supplies.
- **Meets EPA standards** - Meets or exceeds EPA standards for detection of target heavy metals in water.
- **Quick** - Less than 2 minutes for test results
- **Easy to use** - Does not require any lab type operations. No sample pre-concentration required
- **Convenient** - All disposable components for each test are included in the kit
- **Accurate and Specific** - Highly specific over metals that maybe present in water, such as calcium, magnesium, copper, zinc, cadmium, mercury

Specifications

Lead100 Sensor

Lead100 sensor detection limit: 10 ppb

EPA MCL* for lead in drinking water: 15 ppb

Shelf life: 3-6 months

Uranium100 Sensor

Uranium100 sensor detection limit: 10 ppb

EPA MCL for uranium in drinking water: 30 ppb

Shelf life: 3-6 months

*EPA MCL = US Environmental Protection Agency
Maximum Contaminant Level

Note: All ANDalyze sensors contain no hazardous materials and should be stored in a cool dry place or refrigerated to preserve shelf life.

All specifications are subject to change without notice.

ANDalyze
Real-Time Water Testing Powered by DNA