

# PeraGuard® Test Kit

Code: ETT003

## Ordering Information

Complete Kit Components	Code
Ferriin Indicator Solution	FE3144-A
Peroxide Titrant	ND7505-B
Syringe, 10cc, Luer-Lok	SY-2010-P
Vial, Sample, Plastic, 10 - 50 mL with lid	VL-1005-V

Refill Reagents	Code
Peroxide Titrant (60 mL)	ND7505-B
Peroxide Titrant (500 mL)	ND7505-P
Peroxide Titrant (1 L)	ND7505-Q
Ferriin Indicator (30 mL)	FE3144-A
Ferriin Indicator (500 mL)	FE3144-P
Ferriin Indicator (1 L)	FE3144-Q



SAFETY TIPS: Wear Gloves Use Eye Protection Read SDS

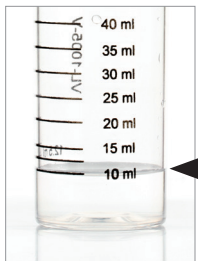
TESTING TIPS: Collect Accurate Sample Hold Bottles Vertically Ensure Proper Lighting

## PERAGUARD® Test Kit Instructions

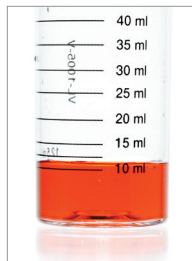
**INTERFERENCES:** This method is affected by any oxidizable substances in the sample such as organic matter, Sulfides, Hydrogen Sulfide, and mercaptans. If present, these substances will interfere by reacting with the titrant, yielding an erroneously high Hydrogen Peroxide concentration. Iron and Lead ions can cause precipitation. Cupric and Ferrous ions cause low results.

**ATTENTION:** As necessary, calibrate this kit against a known standard made with plant / make-up water. Be sure to collect a representative sample.

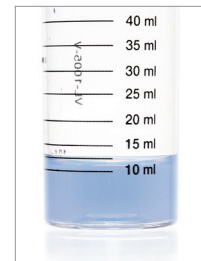
**1** Add 5g of PERAGUARD to 500mL of water. Mix for 10-30 minutes. Using the syringe, **place 2 mL of sample into the vial.** Add enough **water to fill to the 10 mL line.**



**2** Add 8 drops of Ferriin Indicator (FE3144) and swirl to mix. The sample should turn orange.



**3** Add Peroxide Titrant (ND7505) one drop at a time while swirling. Count the number of drops until the sample color changes from orange to blue – blue / green.



The pass range is 5-10 drops to reach endpoint.