



# ENVIKIT FOR SULFIDE

## ENVIKIT 07S



0.1; 0.2; 0.3; 0.5; 0.75; 1; 2; 5; 10 mg/l

- Thank you for choosing products of Binh Lan ENVIBIOCHEM. Please read instruction carefully before proceeding to ensure accurate results.
- Reagents contain concentrated acid. Immediately flush skin with plenty of water in case of contact.

## Instruction Manual

### A. Total Sulfide $\leq 1,0$ mg/l



1. Add 5 ml of sample to the test tube. Add 7 drops of Reagent 1 and 7 drops of Reagent 2. Cap, then invert the tubes several times. Water turns light pink or light yellow, then light green or blue if sulfide is present.



2. Wait 3 minutes. Add 7 drops of Reagent 3. White precipitate forms. Shake well until the precipitate completely dissolves.



3. Place the tube into the comparator. Remove the cap. Hold the comparator with tube top pointing light source and tube bottom reflected in the mirror on the color chart as shown in the figure

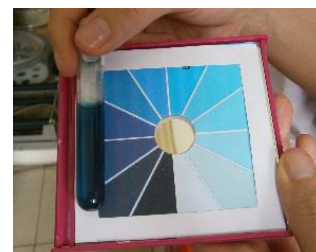


4. Find the best matched color. Record total sulfide level. Look at the Table 1 for the threshold of total sulfide for shrimp ponds. Look at Table 2 for the percentage of free  $H_2S$ .

**Free  $H_2S$  = Total sulfide  $\times$  % free  $H_2S$ : 100.**

### B. Total Sulfide above 1,0 mg/l

1. Reduce the water sample to 3 ml, and each reagent to 4 drops.
2. Follow the step 4 without the comparator.



<b>pH</b>	6,5	7,0	7,5	8,0	8,5	9,0
<b>15 °C</b>	0,06	0,1	0,2	0,6	1	5
<b>20 °C</b>	0,07	0,1	0,2	0,7	1	5
<b>25 °C</b>	0,07	0,1	0,3	0,8	2	5
<b>30 °C</b>	0,08	0,1	0,3	1,0	2	5

<b>pH</b>	6,5	7,0	7,5	8,0	8,5	9,0
<b>15 °C</b>	72	45	21	8	3	1
<b>20 °C</b>	69	41	18	7	3	1
<b>25 °C</b>	65	37	16	6	2	1
<b>30 °C</b>	62	34	14	5	2	1

## **BINH LAN ENVIBIOCHEM COMPANY Limited**

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