

**GENERAL INFORMATION**

The Hydrogen Sulfide Detection Kit provides a rapid and inexpensive procedure for detection of hydrogen sulfide in mud.

**NOTE:** Soluble sulfide can be determined using mud filtrates.  
Total sulfides can be determined using mud.

This Colormetric method can be used to detect as little as 0.3 ppm H<sub>2</sub>S.

The kit contains all the hardware and reagents, including the color comparison chart, needed for hydrogen sulfide detection.

**CAUTION**

THIS QUICK TEST WILL DETERMINE IF ANY HYDROGEN SULFIDE IS PRESENT AND APPROXIMATE CONCENTRATION. IF ANY H<sub>2</sub>S IS FOUND, APPROPRIATE SAFETY PRECAUTIONS SHOULD BE TAKEN, AND THE CONCENTRATION MONITORED USING MORE ELABORATE CONTINUOUS MONITORING EQUIPMENT.

**PROCEDURE**

1. Add 2.5 ml of filtrate or mud to test bottle, then add 22.5 ml deionized or distilled water.
2. Insert a Hydrogen Sulfide Test Paper inside the cap of the test bottle.
3. Place a film of defoamer above the water line in the test bottle to eliminate excessive foaming.
4. Add one drop of sulfuric acid.
5. Add one fresh ALKA SELTZER<sup>®</sup> tablet to the sample and immediately screw the cap containing the test paper onto the bottle.

6. After the tablet has completely dissolved, remove the test paper and compare the color of the test paper with the color chart.
7. Multiply the concentration shown on the chart by 10 for the true concentration.

#### **CARE OF EQUIPMENT**

1. Wash and dry test bottle and cap.
2. Make sure the supply of Alka Seltzer is fresh.

#### **PARTS LIST**

| PART NO. | DESCRIPTION                           |
|----------|---------------------------------------|
| 209814   | ALKA SELTZER                          |
| 209818   | SURFLO W-300 DEFOAMER                 |
| 209872   | SULFURIC ACID 13%                     |
| 210140   | TEST BOTTLE W/CAP                     |
| 210141   | HYDROGEN SULFIDE TEST PAPERS, 100/PKG |
| 210142   | COLOR CHART HS-C TEST                 |
| 210143   | INSTRUCTIONS                          |

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