



## GUIDELINES FOR GAS SAMPLING

### USER INSTRUCTIONS

**SPECIAL NOTE:** Before filling the sample bag, **READ ALL INSTRUCTIONS**. This gas sampling kit only contains one (1) sample bag.

When conducting the gas sampling, be sure to follow your company's Safety and Environmental Procedures.

#### GENERAL INFORMATION

The Tedlar® bag is a special, closed pore, single use sample container. Its opaque (black) color prevents degradation of the collected gas sample due to exposure to light. Further, the tight cell construction of the Tedlar® prevents impregnation of the bag due to migration of sample elements, such as hydrogen sulfide, thus preserving the sample's integrity. The Tedlar® bag is evacuated of all air; no purging is needed, and the sample may be placed directly into the bag.

#### PREPARATION FOR SAMPLING

- Step 1. The selected sample point should be located as close as possible to the flowing gas that is to be sampled.
- Step 2. Complete the supplied sampling form and the sample label on the gas sampling bag before filling the bag with gas.
- Step 3. Connect the supplied tubing adaptor and sample tubing to the sample point valve (Note: pipe fittings may be necessary to provide the ¼ inch tubing hook. These pipe fittings are not provided with the gas sampling bag kit.)
- Step 4. With ¼ inch (OD) tubing connected to the sample source valve and before connect the tubing to the gas sampling bag, crack open the sample source valve to allow a small flow of gas through the piping, sample source valve and sample tubing. (Note: only open the sample source valve enough to allow a low volume/low pressure flow of gas.)
- Step 5. Allow the gas to flow through the sample piping, sample source valve and sample tubing for four (4) to six (6) minutes to purge the air from the sample tubing.

#### SAMPLE COLLECTION

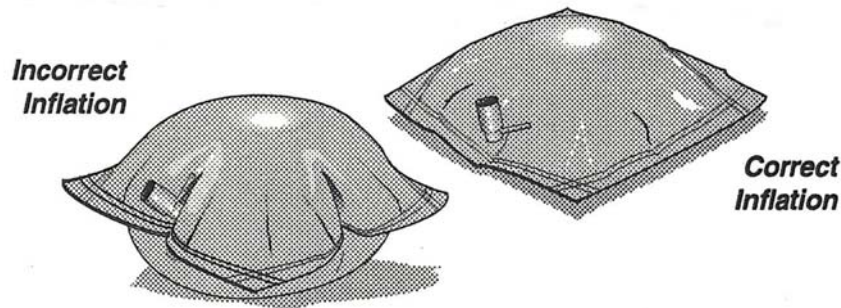
- Step 6. After the sample tubing has been purged of air and with the low volume/low pressure flow of gas continuing, connect the free end of the sample tubing to the sample bag shut-off valve.

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## SAMPLE COLLECTION (continued)

Step 7. With the sampling tubing connected to the sample bag shut-off valve, open the sample bag's shut-off valve by turning the valve counterclockwise one revolution. (Note: to open the valve, hold the base of the valve and turn the valve wheel at the mid point of the valve counterclockwise)

Step 8. Allow the gas to flow into the sample bag filling the bag to approximately 80% of its volume. Proper inflation is illustrated by the diagram below.



Step 9. With the sample bag filled to approximately 80% of its volume, and while the source gas is continuing to flow close the sample bag's shut-off valve by turning the valve clockwise until it is snug. (Note: to close the valve hold the base of the valve and turn the valve wheel at mid point of the valve clockwise)

Step 10. After closing the sample bag's shut-off valve, remove the sampling tubing from the sample bag and shut-off the flowing gas. Set the sample bag in the shipping box and then remove the ¼ inch (OD) sampling tubing and fitting and return the sample source valve to its original condition.

## SHIPPING

Step 11. Use the shipping box in which the empty sample bag was supplied as the holder for the filled sample bag. This box can be used to transport the collected gas sample to the point of testing.

Step 12. The filled sample bag should be kept cool and out of direct sunlight and heat. For best results, the collected sample should be analyzed within 24 to 48 hours.

## CAUTION

The sample bag shut-off valve, though extremely durable, is not intended to be used as a handle or hanging device. Doing so may damage the bag seal and/or the valve causing leakage and sample loss.

The filled sample bag **CAN NOT** be shipped by Air Cargo or US Mail. Shipping by ground transportation companies or hand delivered by the sampler is recommended. If shipped by common carrier, the carrier should be contacted for the proper packing and shipping instructions.

## SAMPLE BAG AND TUBING DISPOSAL

The gas sample bag is not to be reused. Empty the bag's contents to the air after all testing is completed. With the bag emptied, the bag and sample tubing can be discarded in the trash. No specialty handling or disposal requirements are applicable for their disposal.



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**FIELD COLLECTION REPORT  
GAS SAMPLE**

Company Name \_\_\_\_\_ SAMPLE COLLECTED FROM:

Sample Name \_\_\_\_\_  Well \_\_\_\_\_

Sample Number \_\_\_\_\_  Pipeline \_\_\_\_\_

Sample Date \_\_\_\_\_  Storage \_\_\_\_\_

Sample Time \_\_\_\_\_  Fuel Gas \_\_\_\_\_

Sampled By \_\_\_\_\_  Other \_\_\_\_\_

**SAMPLE INFORMATION:**

Sample Description \_\_\_\_\_

Sample Temperature \_\_\_\_\_ Sample Pressure \_\_\_\_\_

Sample Odor \_\_\_\_\_ Purge Time \_\_\_\_\_

Sample Source \_\_\_\_\_

**GAS ANALYSIS PROGRAM REQUESTED:**

Company to Specify: \_\_\_\_\_

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\_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_

LOCATION SKETCH

Sample Location: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Sampler Remarks \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**WEATHER:**

Air Temperature \_\_\_\_\_

Conditions \_\_\_\_\_

\_\_\_\_\_

**CONTACT INFORMATION:**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Telephone: \_\_\_\_\_ Fax \_\_\_\_\_

E-mail: \_\_\_\_\_