

# Sampling Drinking Water for Lead and Copper Analysis (First Draw)

Please read and understand this entire procedure prior to beginning any sampling.

[NOTE: The maximum holding time for an unpreserved sample between the time of sample collection and the time of preservation by the laboratory is 14 days.]

## SAMPLING PROCEDURE

### BEFORE YOU BEGIN

- (1) Select a faucet that is commonly used as a source for drinking water (kitchen or bathroom tap, for example). Sample from the cold water tap only.  
[NOTE: Do not collect from a location connected to any kind of treatment system (filter, reverse osmosis, etc.) unless the system is bypassed.]
- (2) Water must sit idle in the pipes leading to the faucet for between 6 and 24 hours before sampling. At a residence, it is ideal to not use any water within the structure for at least 6 hours before sampling. The best times to sample are early morning or after returning from work.
- (3) At least 6 hours before sampling, mark the faucet to ensure it will NOT BE USED AGAIN PRIOR TO SAMPLING. In addition, mark any other faucets that are close by and could draw from the same part of the water system. A sign saying "DO NOT USE" is suggested.

### SAMPLING STEPS

- (1) After at least 6 hours from when the tap was last used, prepare to sample.
- (2) Uncap the sample bottle, place the open bottle below the faucet, and gently open only the cold water tap.
- (3) Fill the sample bottle to the base of its neck [Figure 1]. DO NOT UNDERFILL. DO NOT OVERFILL or pour any water out of the bottle.
- (4) Turn off the water once the bottle is filled to the base of its neck and recap the sample bottle.

Fill bottle to the base of its neck, 1000 mL (1 L)

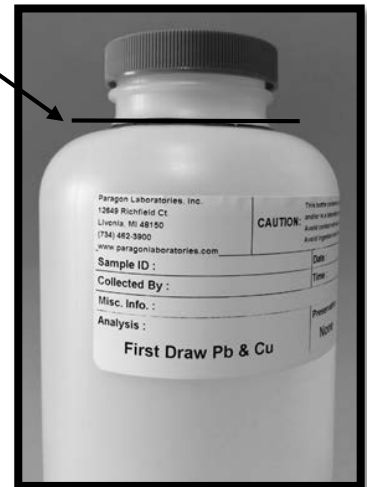


Figure 1

### FINAL STEPS

- (1) Record the sampling Date, Time, Sample ID, and name of the person the sample was Collected By on the bottle label [items A-D in Figure 2] and on the Chain-of-Custody (CoC) Record (FORM-N0013A).
- (2) When transporting or shipping samples back to Paragon, be sure the shipping container is secure and protected from leaking and damage.

Paragon Laboratories, Inc. 12649 Richfield Ct. Livonia, MI 48150 (734) 462-3900 www.paragonlaboratories.com		<b>CAUTION:</b> This bottle contains a preservative and/or is a laboratory test sample. Avoid contact with skin and eyes. Avoid ingestion and inhalation.	
Sample ID : (A)		Date : (C)	
Collected By : (B)		Time : (D)	
Misc. Info. :			
Analysis : First Draw Pb & Cu		Preservative : None	

Figure 2

## ACKNOWLEDGEMENT

I hereby acknowledge that I \_\_\_ have or \_\_\_ have not (check one) collected all submitted samples for Lead and Copper Analysis (First Draw) as summarized above. I understand that not collecting samples using the above procedure may jeopardize the validity of any results obtained.

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Date)

**Submit this document with the completed Chain-of-Custody Record that accompanies samples.**

**Attachment 1**  
**Reference Information for**  
**Sampling Drinking Water for Lead and Copper Analysis (First Draw)**

**Bottles & Supplies:**

PROVIDED ROUTINELY:

- (1) One 1-Liter Poly bottle (1 bottle/sample)