

*American Society of Sanitary Engineering*  
PRODUCT (SEAL) LISTING PROGRAM

**Testing and Evaluation of Lead Content in Plumbing Products**



This report shall be completed by an ASSE Listed Testing Laboratory. A list of these laboratories may be found on ASSE's website at [www.asse-plumbing.org](http://www.asse-plumbing.org).

The purpose of this report is to evaluate the lead content of a model or series of models.

Those manufacturers desiring a lead content certification at the time of original listing with ASSE shall have the laboratory forward this report along with a Laboratory Evaluation Report form to a product performance standard to ASSE.

Those manufacturers desiring a lead content certification for a current listed product shall have the laboratory forward this report to ASSE and shall request a modification review of their currently listed product as outlined in Section 10 of the ASSE Seal Control Board Procedures.

**LABORATORY FILE NUMBER:** \_\_\_\_\_

**MANUFACTURER:** \_\_\_\_\_

**CONTACT PERSON:** \_\_\_\_\_

**E-MAIL:** \_\_\_\_\_

**MODEL # EVALUATED:** \_\_\_\_\_

**MODEL SIZE:** \_\_\_\_\_

**ADDITIONAL MODELS REPORT APPLIES TO:** \_\_\_\_\_

**ADDITIONAL MODEL INFORMATION (i.e. orientation, series, end connections, shut-off valves):** \_\_\_\_\_

### 1.0 Weighted Average of Lead Content Calculation

Using the following formula, determine the weighted average of the lead content:

$$WLC = \sum_{c=1}^n (LC_c \times \frac{WSA_c}{WSA_T})$$

Where:

- WLC = Weighted average lead content of product
- LC<sub>c</sub> = Percentage lead content of component
- WSA<sub>c</sub> = Wetted surface area of component
- WSA<sub>T</sub> = Total wetted surface area of all components
- n = number of wetted components in product

Weighted average of lead content: \_\_\_\_\_

### 2.0 Analytical Procedures for Determining Percent of Lead Content of Materials

What method was employed to determine the lead content of materials? \_\_\_\_\_

Lead Content by Item\*:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

\* If more space is needed to complete this section, please complete on a separate paper and submit it attached to the report.

### 3.0 Additional Details in the Determination of Weighted Average Lead Content

Were any of the following methods used to reduce the weighted average lead content?

- |                                     |                              |                             |
|-------------------------------------|------------------------------|-----------------------------|
| A. Use of Liners                    | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| B. Use of Coatings                  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| C. Use of Lead Removal Technologies | <input type="checkbox"/> Yes | <input type="checkbox"/> No |



TESTING AGENCY: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

PHONE: \_\_\_\_\_

TEST ENGINEERS: \_\_\_\_\_

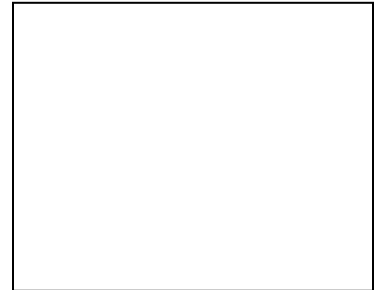
TOXICOLOGIST ON STAFF, IF APPLICABLE: \_\_\_\_\_

We certify that the evaluations are based on our best judgments and that the test data recorded is an accurate record of the performance of the device on test.

SIGNATURE OF THE OFFICIAL OF THE AGENCY: \_\_\_\_\_

TITLE OF THE OFFICIAL: \_\_\_\_\_

DATE: \_\_\_\_\_



**PE SEAL**

Signature of PE Supervising Evaluation:

\_\_\_\_\_

\*To insert images into document (PE seal and signatures)

Adobe Acrobat Pro users: At the top of the page, go to: Tools > Advanced Editing > TouchUp Object Tool. Once you have selected TouchUp Object Tool, right click within the document and select Place Image. Choose the image you want to place (PE seal or signature) and then select Open. Once the image is in the document, move and re-size the image accordingly. Save and send to ASSE.

Adobe Reader users: Adobe Reader does not allow users to place images into the document. You must print this completed document and then sign and stamp the PE seal by hand. You may then send the completed document to ASSE via fax or mail, or you can scan the completed document and send via e-mail.

Comments: \_\_\_\_\_