



**Summary of Substantive Changes  
between the 2020 and 2022 editions of  
NSF/ANSI/CAN 372 “Drinking Water System Components - Lead Content”**

**Presented to the IAPMO Standards Review Committee on May 16, 2022**

**General:** The changes to this standard should not have an impact on currently listed products. The substantive changes are:

- Clarified requirements for lead content screening (see Section 7.1)

Section 7, Analytical procedures for determining percent lead content of materials: Clarified requirements as follows:

**7.1 Lead content screening**

*Screening may be used to check the lead content in the following cases, but not limited to:*

- screening of components where no lead is expected (e.g., certain plastics, elastomers, coatings);*
- screening of components where lead is expected for comparison to material specification information; and*
- initial screening of components to identify and prioritize items for further testing.*

*X-ray fluorescence (XRF), arc / spark optical emission spectroscopy (OES), and scanning electron microscopy (SEM) / energy dispersive spectrometer (EDS) are acceptable methods for screening components, provided the instrument is calibrated to standard reference materials. Other applicable screening methods may be employed, provided that adequate performance can be demonstrated. The following should be taken into consideration with a screening method:*

- surfaces scanned should be clean, dry, and free of coating. Even slight overspray of coatings can significantly reduce lead content readings;*
- part finishes that remove surface lead, such as acid washes, will affect surface lead content readings and may affect the value of the screening analysis;*
- part size, shape, and condition of the surface can impact reading. Area analyzed should be no smaller than the instrument observation window. Shapes, such as curved surfaces, should be minimized; and*
- lower lead content parts may require longer read times and [may require](#) the average of several measurements (three or more) with different orientation to produce accurate results.*

*When considering the points above the screening method may not be suitable for determining lead content, in which case the lead content shall be determined in accordance with Section 7.2*