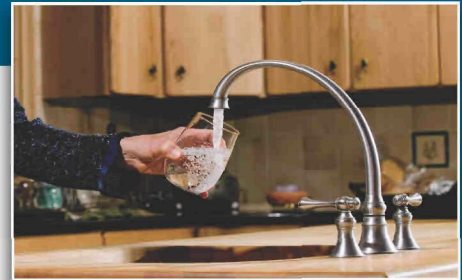


How to Identify Lead-Free Certification Marks for Drinking Water System & Plumbing Materials



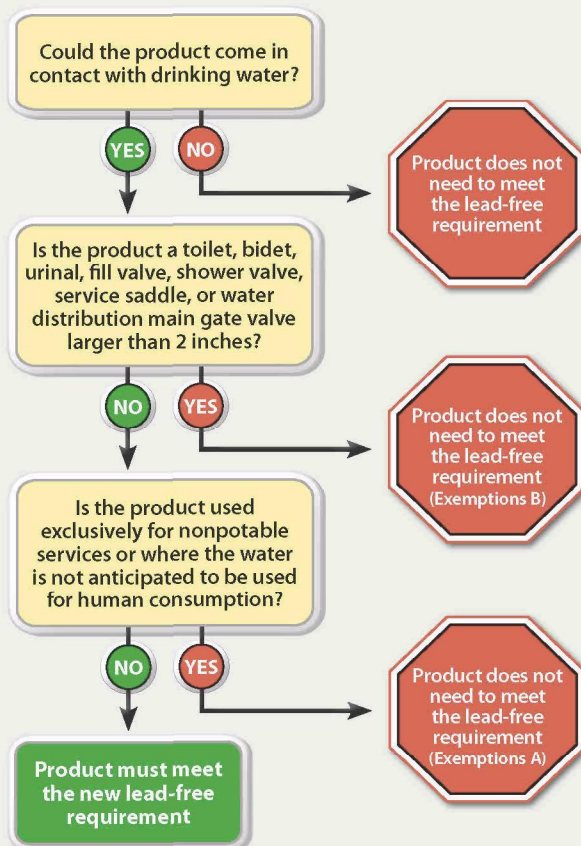
The term "**lead-free**" has been updated from not more than 8% lead content to mean "**not more than a weighted average of 0.25% lead when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures.**"

What is the new lead-free requirement?

In 2011, the Reduction of Lead in Drinking Water Act was signed into law. The Act has reduced the lead content allowed in drinking water system and plumbing materials by changing the definition of "**lead-free**" in Section 1417 of the Safe Drinking Water Act. Although the law doesn't go into effect until January 4, 2014, some entities have been preparing for the change.

How do I know which products must meet the new lead-free requirement?

Starting January 4, 2014, the prohibitions on use and introduction into commerce will apply to all pipe, pipe fittings, plumbing fittings, and fixtures (henceforth referred to as "products"), including stocked inventories that have not been installed. This includes coated or uncoated brass or bronze materials. By using the flowchart below as a guide, you can determine if a product must meet the new lead-free requirement:



Lead-Free Requirement Exemptions

- (A) The new requirement does not apply to pipes, pipe fittings, plumbing fittings, or fixtures, including backflow preventers, that are used exclusively for **nonpotable services**, such as manufacturing, industrial processing, irrigation, outdoor watering, or any other uses where the water is not anticipated to be used for human consumption.
- (B) The new requirement does not apply to toilets, bidets, urinals, fill valves, flushometer valves, tub fillers, shower valves, service saddles, or water distribution main gate valves 2 inches in diameter or larger.

Is lead-free certification required for products?

There is no mandatory federal requirement for product testing or third-party certification under the Safe Drinking Water Act; however, some entities may require certification.* Consumers can increase their level of confidence by purchasing products with a mark indicating that they have been certified by an accredited third-party certification body as meeting the new lead-free requirement.

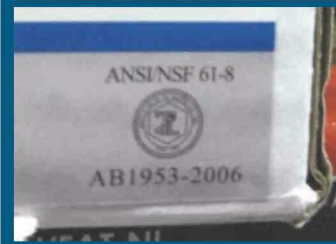
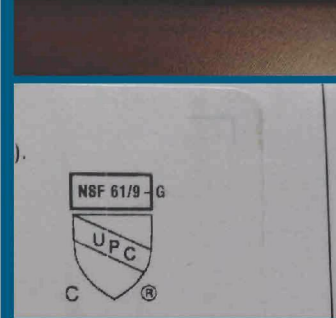
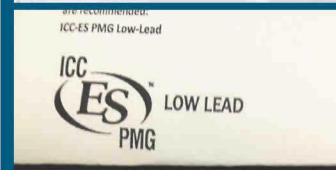
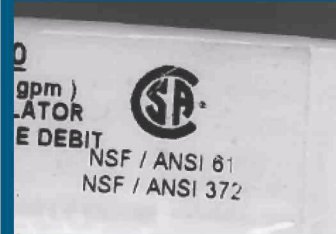
Products that have not been certified may still meet the new lead-free requirement. If you are unable to determine if a product is lead-free, contacting the manufacturer is the best way to confirm the lead content.

**Although other states have laws pertaining to the lead content in products, California is currently the only state that has a Bill (SB 1334) requiring certification. However, there may be local laws or entities in other states that require it.*

How to identify products that are certified as lead-free

Next Page →

Examples of packaging and material with certifiers' marks for the new requirement



3/4" ANGLE YOKE KEY VALVE - NO LEAD
5/8" x 3/4", 3/4" METER YOKE NOSE by
3/4" CTS PACK JOINT



Who are the certification providers?

Although it is not a federal requirement, one way to ensure that a product is lead-free is to verify that it has been certified. In the United States, the following American National Standards Institute (ANSI) accredited third-party certification bodies provide product certification to the new lead-free requirement for manufacturers of drinking water system and plumbing materials:

- CSA Group
- ICC Evaluation Service (ICC-ES), LLC
- International Association of Plumbing and Mechanical Officials Research & Testing (IAPMO R&T)
- Intertek Testing Services NA, Inc.
- NSF International (NSF)
- Truesdail Laboratories, Inc.
- Underwriters Laboratories (UL), LLC
- Water Quality Association (WQA)

How do I know if a product has been certified?

Each of the ANSI accredited third-party certification bodies has a registered trademark that they use to certify a multitude of products for various requirements. However, the trademark alone does not necessarily mean that the product has been certified to the new lead-free requirement. Some of the certification bodies have modified marks and some may require that identifier text accompany a mark.

What do the lead-free certification marks look like?

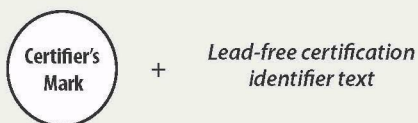
Because markings vary between certification bodies, finding a product that has been certified as lead-free to the new requirement can be a challenge—unless you know what to look for. The specific certification marks and identifier text for each certification body can be found in the comprehensive **Table on Page 3**, and can also be found for each certification body individually on **Pages A1–A8**.

Examples of the marks on packaging and engraved on a product can be seen in the photo strip to the right.

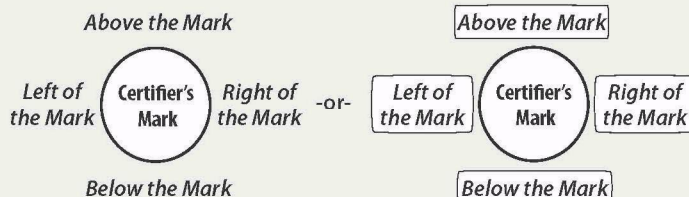
Where are the lead-free certification marks located?

Products will display the certification bodies' approved certification marks and any required identifier text. The following steps will help you to identify the variety of ways that both can be found on certified products:

1. The certifier's marks will typically be located on the front or back of the packaging or engraved on the product itself. If required, text for the lead-free certification identifier will also be included:



















2. Next to the certifier's mark, the lead-free certification identifier text can stand alone or can be enclosed in a box:



Certification Marks for ANSI Accredited Third-Party Certification Bodies

Starting January 4, 2014, the new lead-free requirement of the Reduction of Lead in Drinking Water Act will take effect. The prohibitions on use and introduction into commerce will apply to all pipe, pipe fittings, plumbing fittings, and fixtures (henceforth referred to as "products"), including stocked inventories that have not been installed. The table below provides the certification bodies' approved certification marks and required identifier text, as well as any additional remarks that indicate a product meets the new lead-free requirement.

"US" = United States; "USA" = United States of America; "C" = Canada; "CA" = Canada

Certification Body	Certification Mark(s)	Remarks & Required Identifier Text
CSA Group	   	(1) Based on the intended product market, the marks may be accompanied by a "C" & "US" or just a "US". (2) Text indicating certification to at least one of the lead-free certification identifiers (listed in blue below table) must accompany the marks.
ICC Evaluation Services (ICC-ES), LLC		Text indicating certification to a lead-free certification identifier (listed in blue below table) may be included next to the mark, but is not required.
International Association of Plumbing and Mechanical Officials Research & Testing (IAPMO R&T)	  	(1) Based on the intended product market, the UPC shield and logo marks may be accompanied by a "C". (2) Text indicating certification to at least one of the lead-free certification identifiers (listed in blue below table) or the term "Low-Lead" must accompany the marks.
Intertek Testing Services NA, Inc.	 	(1) Marks can be black or reversed in white. (2) Based on the intended product market, the marks may be accompanied by a "C" or a "US" or both. (3) Text indicating certification to at least one of the lead-free certification identifiers (listed in blue below table) must accompany the marks.
NSF International (NSF)	 <p>NSF®-61-G NSF®-372 NSF® pw-G</p>	(1) Marks can be blue, white, or black. (2) Based on the intended product market, the marks may be accompanied by a "C" & "US" or just a "C". (3) Text indicating certification to an NSF/ANSI Standard (listed in blue below table) must accompany circular marks. (4) Standard 61 circular and text marks may alternately include "61/9-G".
Truesdail Laboratories, LLC		Text indicating certification to at least one of the lead-free certification identifiers (listed in blue below table) must accompany the mark.
Underwriters Laboratories (UL), LLC	  <p>UND. LAB. CLASSIFIED UND. LAB. CLFD</p>	(1) Based on the intended product market, the marks may be accompanied by a "C", "CA", "US", "C" & "US", or "CA" & "US". (2) Text indicating certification to an NSF/ANSI Standard (listed in blue below table) must accompany all the marks. (3) The File No. is a unique identification for a product used to search the UL online certification directory.
Water Quality Association (WQA)	  <p>NSF/ANSI 372 by WQA</p>	(1) The marks can be either gold or black and white. (2) Based on the intended product market, the Marks may be accompanied by a "C" & "USA" or just a "C". (3) Text indicating certification to an NSF/ANSI Standard (listed in blue below table) must accompany the marks.

Lead-Free Certification Identifiers (Varies between certification bodies. See the remarks column of table for clarification)

NSF/ANSI Standard 372 (NSF/ANSI 372 or NSF-372): Dictates that a product has been certified as meeting a weighted average lead content of $\leq 0.25\%$ when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures.

NSF/ANSI Standard 61, Annex G (NSF/ANSI 61 Annex G or NSF 61-G): Dictates that a product has been certified as meeting leachate requirements for all contaminants (metals and non-metals), as well as the new lead-free requirements of NSF 372 (Standard 61 text may alternately include "61/9-G").

California HB AB1953, Section 116875 (AB 1953 (2006) or CA HSC §116875 [AB 1953 (2006)]): Dictates that a product has been certified as meeting a weighted average lead content of $\leq 0.25\%$ when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures.

Government Resources

Federal Laws

Reduction of Lead in Drinking Water Act (PL 111-380): www.gpo.gov/fdsys/pkg/PLAW-111publ380/pdf/PLAW-111publ380.pdf

Safe Drinking Water Act: water.epa.gov/lawsregs/rulesregs/sdwa/index.cfm

State Laws

California AB1953: www.leginfo.ca.gov/pub/05-06/bill/asm/ab_1951-2000/ab_1953_bill_20060930_chaptered.html

California SB 1334: www.leginfo.ca.gov/pub/07-08/bill/sen/sb_1301-1350/sb_1334_bill_20080929_chaptered.html

Louisiana HB 471: legiscan.com/LA/text/HB471/id/343683

Maryland HB 372: 167.102.242.144/smb/mqaleg.maryland.gov/google_docs/2010rs/chapters_noln/Ch_407_hb0372e.pdf

Vermont Statute, Title 9 V.S.A. § 2470h: www.leg.state.vt.us/statutes/fullsection.cfm?Title=09&Chapter=063&Section=02470h

ANSI Accredited Third-Party Certification Bodies

CSA Group

Low Lead Requirements: www.csagroup.org/us/en/industries/plumbing/low-lead-requirements

Certification Marks: www.csagroup.org/us/en/about-csa-group/certification-marks-labels

Certified Product Listings: www.csagroup.org/us/en/services/testing-and-certification/certified-product-listing

ICC Evaluation Services (ICC-ES), LLC

Listing Mark: www.icc-es-pmq.org/Mark/

Listing Directory: www.icc-es-pmq.org/Listing_Directory/

International Association of Plumbing and Mechanical Officials Research & Testing (IAPMO R&T)

Marks of Conformity: www.iapmort.org/Pages/MarksofConformity.aspx

Product Listing Directory: pld.iapmo.org/default.asp

Intertek Testing Services NA, Inc.

Mark Usage Guide: www.intertek.com/marks-usage

Product Directory: www.intertek.com/directories/

NSF International (NSF)

Low Lead Compliant Products and Markings: www.nsf.org/info/lowlead

FAQs about NSF/ANSI 61 and Lead, and NSF/ANSI 372: www.nsf.org/info/wdsfaq/

Product Listings: www.nsf.org/business/search_listings/

Truesdail Laboratories, LLC

Mark and Plumbing Listings: www.truesdail.com/specialty_testing/plumbing.html

Underwriters Laboratories (UL), LLC

Certification Marks and UL Badges: www.ul.com/global/eng/pages/corporate/aboutul/ulmarks/

Online Certifications Directory: database.ul.com/cqi-bin/XYV/template/LISEXT/1FRAME/index.html

Water Quality Association (WQA)

Use of the Gold Seal (Note - Click on download the Gold Seal Logo Policy): www.wqa.org/site/loagic.cfm?ID=1171

Certified Products Directory: www.wqa.org/goldseal/goldsealSearch.cfm

Additional Resource

Get the Lead Out Plumbing Consortium

Get the Lead OutSM Resources: www.gettheleadoutplumbing.com/Resources.asp

Contacts

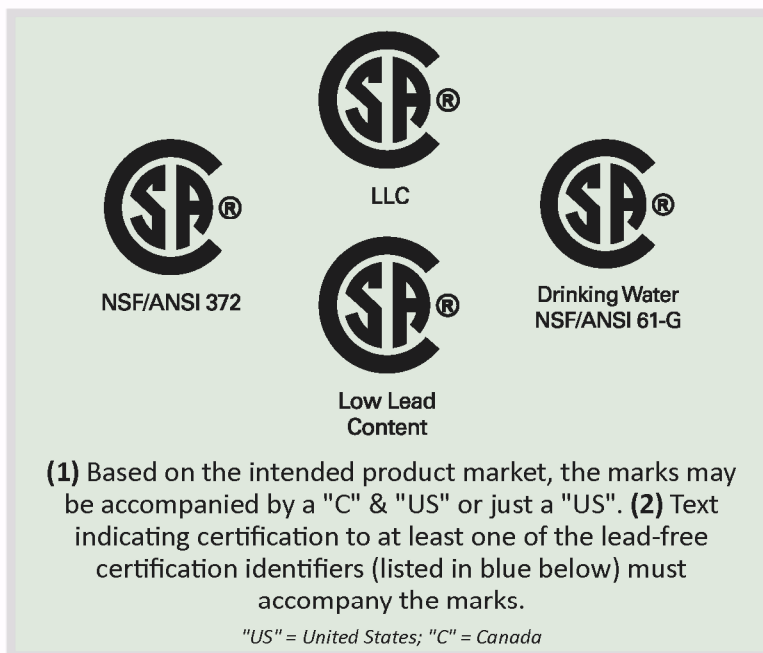
For Questions Regarding the Lead Content of a Product: Contact the product manufacturer

For Questions Regarding this Document: Contact Michelle Latham at latham.michelle@epa.gov

Certification Marks for CSA Group

Starting January 4, 2014, the new lead-free requirement of the Reduction of Lead in Drinking Water Act will take effect. The prohibitions on use and introduction into commerce will apply to all pipe, pipe fittings, plumbing fittings, and fixtures (henceforth referred to as "products"), including stocked inventories that have not been installed. The information on this page provides the certification marks and required identifier text for CSA Group, as well as any additional remarks indicating that a product meets the new lead-free requirement.

Certification Marks



Lead-Free Certification Identifiers

NSF/ANSI Standard 372 (NSF/ANSI 372 or NSF-372):

Dictates that a product has been certified as meeting a weighted average lead content of $\leq 0.25\%$ when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures.

NSF/ANSI Standard 61, Annex G (NSF/ANSI 61 Annex G or NSF 61-G):

Dictates that a product has been certified as meeting leachate requirements for all contaminants (metals and non-metals), as well as the new lead free requirements of NSF 372 (Standard 61 text may alternately include "61/9 G").

California AB1953, Section 116875 (e.g., AB 1953 (2006) or CA HSC §116875 [AB 1953 (2006)]):

Dictates that a product has been certified as meeting a weighted average lead content of $\leq 0.25\%$ when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures.

Resources

Low Lead Requirements: www.csagroup.org/us/en/industries/plumbing/low-lead-requirements

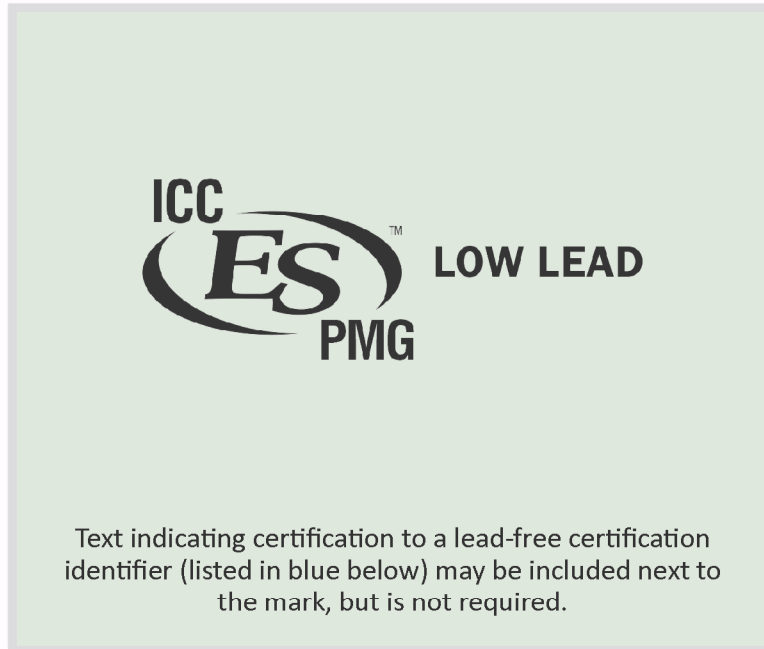
Certification Marks: www.csagroup.org/us/en/about-csa-group/certification-marks-labels

Certified Product Listings: www.csagroup.org/us/en/services/testing-and-certification/certified-product-listing

Certification Marks for ICC Evaluation Services (ICC-ES), LLC

Starting January 4, 2014, the new lead-free requirement of the Reduction of Lead in Drinking Water Act will take effect. The prohibitions on use and introduction into commerce will apply to all pipe, pipe fittings, plumbing fittings, and fixtures (henceforth referred to as "products"), including stocked inventories that have not been installed. The information on this page provides the certification marks and required identifier text for ICC-ES, as well as any additional remarks indicating that a product meets the new lead-free requirement.

Certification Mark



Lead-Free Certification Identifiers

NSF/ANSI Standard 372 (NSF/ANSI 372 or NSF-372):

Dictates that a product has been certified as meeting a weighted average lead content of $\leq 0.25\%$ when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures.

NSF/ANSI Standard 61, Annex G (NSF/ANSI 61 Annex G or NSF 61-G):

Dictates that a product has been certified as meeting leachate requirements for all contaminants (metals and non-metals), as well as the new lead-free requirements of NSF-372.

California HB AB1953, Section 116875 (e.g., AB 1953 (2006) or CA HSC §116875 [AB 1953 (2006)]):

Dictates that a product has been certified as meeting a weighted average lead content of $\leq 0.25\%$ when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures.

Resources

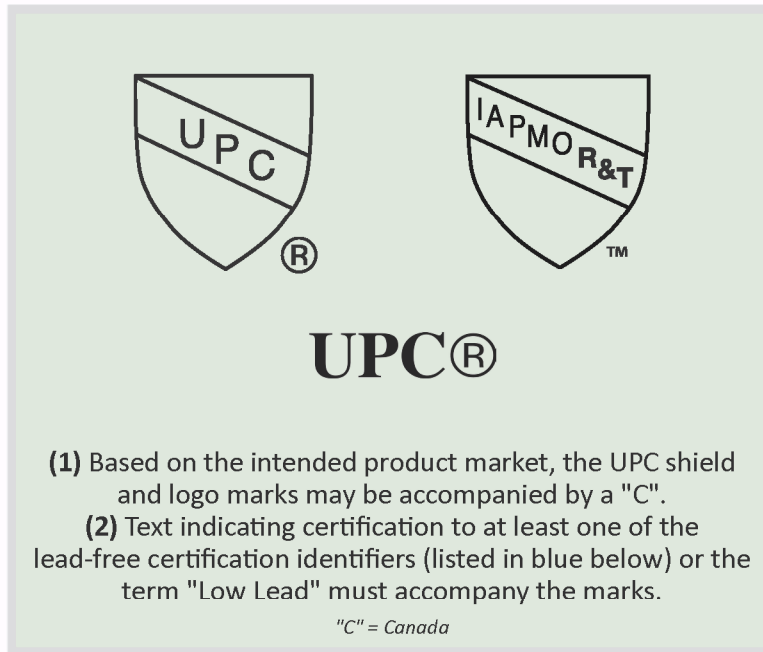
Listing Mark: www.icc-es-pmg.org/Mark/

Listing Directory: www.icc-es-pmg.org/Listing_Directory/

International Association of Plumbing and Mechanical Officials Research and Testing (IAPMO R&T)

Starting January 4, 2014, the new lead-free requirement of the Reduction of Lead in Drinking Water Act will take effect. The prohibitions on use and introduction into commerce will apply to all pipe, pipe fittings, plumbing fittings, and fixtures (henceforth referred to as "products"), including stocked inventories that have not been installed. The information on this page provides the certification marks and required identifier text for IAPMO R&T, as well as any additional remarks indicating that a product meets the new lead-free requirement.

Certification Marks



Lead-Free Certification Identifiers

NSF/ANSI Standard 372 (NSF/ANSI 372 or NSF-372):

Dictates that a product has been certified as meeting a weighted average lead content of $\leq 0.25\%$ when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures.

NSF/ANSI Standard 61, Annex G (NSF/ANSI 61 Annex G or NSF 61-G):

Dictates that a product has been certified as meeting leachate requirements for all contaminants (metals and non-metals), as well as the new lead-free requirements of NSF-372.

California AB1953, Section 116875 (e.g., AB 1953 (2006) or CA HSC §116875 [AB 1953 (2006)]):

Dictates that a product has been certified as meeting a weighted average lead content of $\leq 0.25\%$ when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures.

Resources

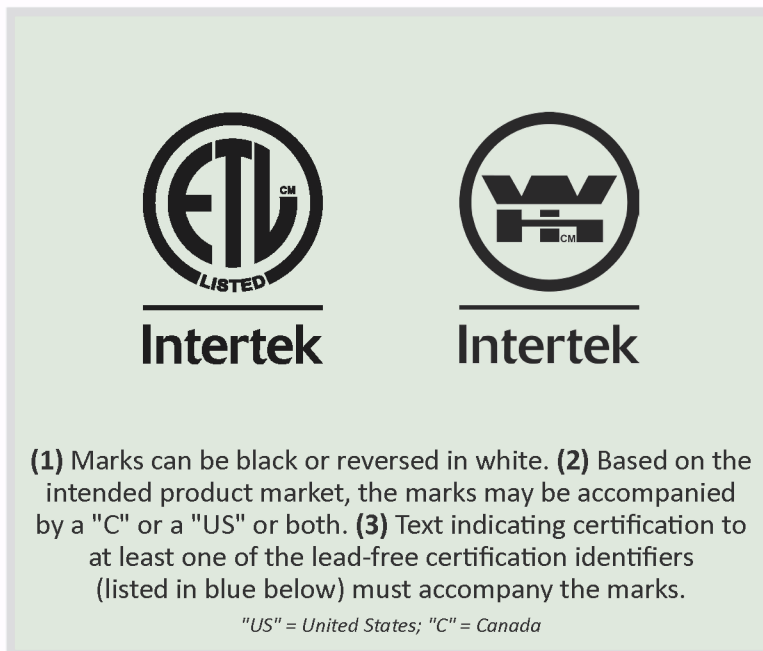
Marks of Conformity: www.iapmort.org/Pages/MarksofConformity.aspx

Product Listing Directory: pld.iapmo.org/default.asp

Certification Marks for Intertek Testing Services NA, Inc.

Starting January 4, 2014, the new lead-free requirement of the Reduction of Lead in Drinking Water Act will take effect. The prohibitions on use and introduction into commerce will apply to all pipe, pipe fittings, plumbing fittings, and fixtures (henceforth referred to as "products"), including stocked inventories that have not been installed. The information on this page provides the certification marks and required identifier text for Intertek Testing Services NA, Inc., as well as any additional remarks indicating that a product meets the new lead-free requirement.

Certification Marks



Lead-Free Certification Identifiers

NSF/ANSI Standard 372 (NSF/ANSI 372 or NSF-372):

Dictates that a product has been certified as meeting a weighted average lead content of $\leq 0.25\%$ when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures.

NSF/ANSI Standard 61, Annex G (NSF/ANSI 61 Annex G or NSF 61-G):

Dictates that a product has been certified as meeting leachate requirements for all contaminants (metals and non-metals), as well as the new lead-free requirements of NSF-372.

California HB AB1953, Section 116875 (e.g., AB 1953 (2006) or CA HSC §116875 [AB 1953 (2006)]):

Dictates that a product has been certified as meeting a weighted average lead content of $\leq 0.25\%$ when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures.

Resources

Mark Usage Guide: www.intertek.com/marks-usage

Product Directory: www.intertek.com/directories/

Certification Marks for NSF International (NSF)

Starting January 4, 2014, the new lead-free requirement of the Reduction of Lead in Drinking Water Act will take effect. The prohibitions on use and introduction into commerce will apply to all pipe, pipe fittings, plumbing fittings, and fixtures (henceforth referred to as "products"), including stocked inventories that have not been installed. The information on this page provides the certification marks and required identifier text for NSF, as well as any additional remarks indicating that a product meets the new lead-free requirement.

Certification Marks



NSF-61-G

NSF-372

NSF pw-G

(1) Marks can be blue, white, or black. **(2)** Based on the intended product market, the marks may be accompanied by a "C" & "US" or just a "C". **(3)** Text indicating certification to an NSF/ANSI Standard (listed in blue below) must accompany circular marks. **(4)** Standard 61 circular and text marks may alternately include "61/9-G".

"US" = United States; "C" = Canada

Lead-Free Certification Identifiers

NSF/ANSI Standard 372 (NSF/ANSI 372 or NSF-372):

Dictates that a product has been certified as meeting a weighted average lead content of $\leq 0.25\%$ when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures.

NSF/ANSI Standard 61, Annex G (NSF/ANSI 61 Annex G or NSF 61-G):

Dictates that a product has been certified as meeting leachate requirements for all contaminants (metals and non-metals), as well as the new lead-free requirements of NSF-372.

Resources

Low Lead Compliant Products and Markings: www.nsf.org/info/lowlead

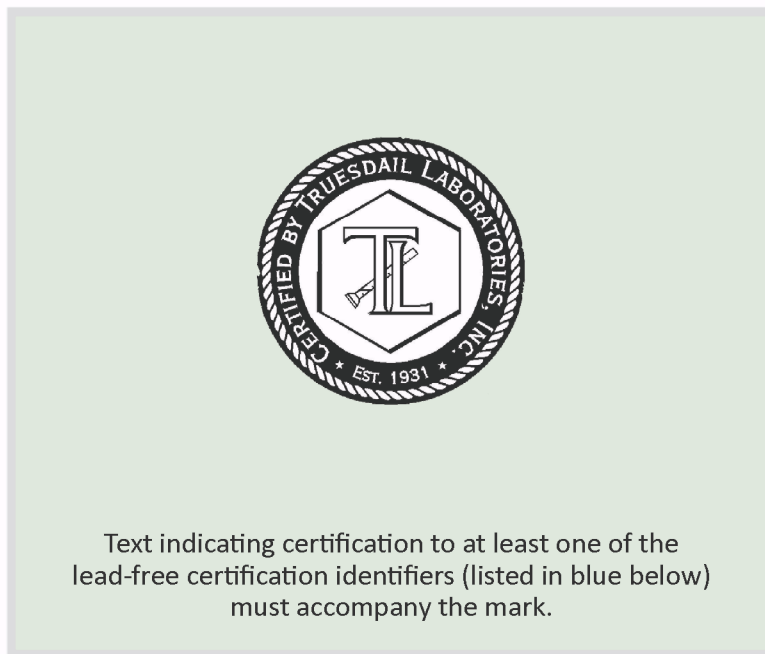
FAQs about NSF/ANSI 61 and Lead, and NSF/ANSI 372: www.nsf.org/info/wdsfaq/

Product Listings: www.nsf.org/business/search_listings/

Certification Marks for Truesdail Laboratories, Inc.

Starting January 4, 2014, the new lead-free requirement of the Reduction of Lead in Drinking Water Act will take effect. The prohibitions on use and introduction into commerce will apply to all pipe, pipe fittings, plumbing fittings, and fixtures (henceforth referred to as "products"), including stocked inventories that have not been installed. The information on this page provides the certification marks and required identifier text for Truesdail Laboratories, Inc., as well as any additional remarks indicating that a product meets the new lead-free requirement.

Certification Mark



Lead-Free Certification Identifiers

NSF/ANSI Standard 372 (NSF/ANSI 372 or NSF-372):

Dictates that a product has been certified as meeting a weighted average lead content of $\leq 0.25\%$ when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures.

NSF/ANSI Standard 61, Annex G (NSF/ANSI 61 Annex G or NSF 61-G):

Dictates that a product has been certified as meeting leachate requirements for all contaminants (metals and non-metals), as well as the new lead-free requirements of NSF-372.

California HB AB1953, Section 116875 (e.g., AB 1953 (2006) or CA HSC §116875 [AB 1953 (2006)]):

Dictates that a product has been certified as meeting a weighted average lead content of $\leq 0.25\%$ when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures.

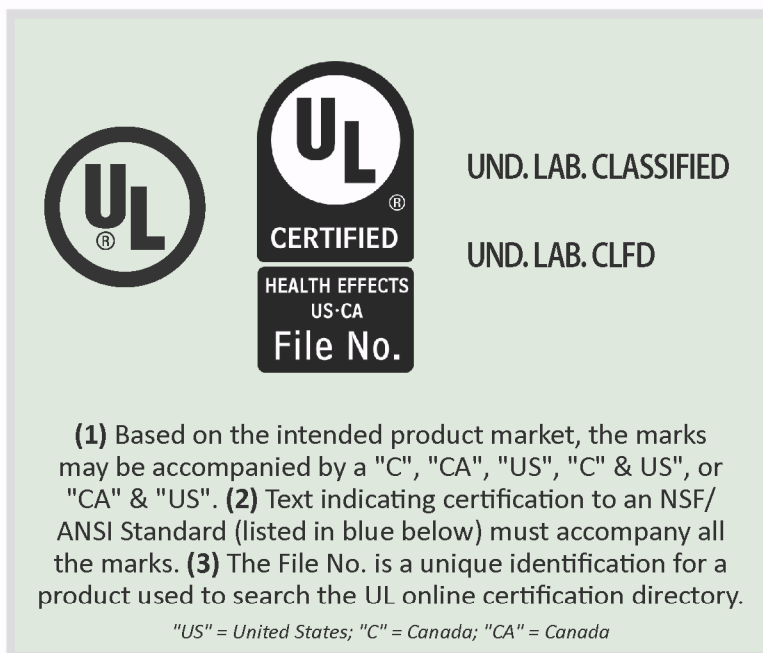
Resource

Mark and Plumbing Listings: www.truesdail.com/specialty_testing/plumbing.html

Certification Marks for **Underwriters Laboratories (UL), LLC**

Starting January 4, 2014, the new lead-free requirement of the Reduction of Lead in Drinking Water Act will take effect. The prohibitions on use and introduction into commerce will apply to all pipe, pipe fittings, plumbing fittings, and fixtures (henceforth referred to as "products"), including stocked inventories that have not been installed. The information on this page provides the certification marks and required identifier text for UL, as well as any additional remarks indicating that a product meets the new lead-free requirement.

Certification Marks



The image displays two UL certification marks. The first is a circular logo with 'UL' and a registered trademark symbol. The second is a rectangular logo with 'UL' in a circle, 'CERTIFIED' below it, and 'HEALTH EFFECTS US-CA' and 'File No.' in a black box at the bottom. To the right of these marks are two lines of text: 'UND. LAB. CLASSIFIED' and 'UND. LAB. CLFD'. Below the marks is a paragraph of text explaining the requirements for these marks, and a small note at the bottom defining the abbreviations 'US', 'C', and 'CA'.

UND. LAB. CLASSIFIED

UND. LAB. CLFD

(1) Based on the intended product market, the marks may be accompanied by a "C", "CA", "US", "C & US", or "CA" & "US". **(2)** Text indicating certification to an NSF/ANSI Standard (listed in blue below) must accompany all the marks. **(3)** The File No. is a unique identification for a product used to search the UL online certification directory.

"US" = United States; "C" = Canada; "CA" = Canada

Lead-Free Certification Identifiers

NSF/ANSI Standard 372 (NSF/ANSI 372 or NSF-372):

Dictates that a product has been certified as meeting a weighted average lead content of $\leq 0.25\%$ when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures.

NSF/ANSI Standard 61, Annex G (NSF/ANSI 61 Annex G or NSF 61-G):

Dictates that a product has been certified as meeting leachate requirements for all contaminants (metals and non-metals), as well as the new lead-free requirements of NSF-372.

Resources

Certification Marks and UL Badges: www.ul.com/global/eng/pages/corporate/aboutul/ulmarks/

Online Certifications Directory: database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.html

Certification Marks for Water Quality Association (WQA)

Starting January 4, 2014, the new lead-free requirement of the Reduction of Lead in Drinking Water Act will take effect. The prohibitions on use and introduction into commerce will apply to all pipe, pipe fittings, plumbing fittings, and fixtures (henceforth referred to as "products"), including stocked inventories that have not been installed. The information on this page provides the certification marks and required identifier text for WQA, as well as any additional remarks indicating that a product meets the new lead-free requirement.

Certification Marks



Lead-Free Certification Identifiers

NSF/ANSI Standard 372 (NSF/ANSI 372 or NSF-372):

Dictates that a product has been certified as meeting a weighted average lead content of $\leq 0.25\%$ when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures.

NSF/ANSI Standard 61, Annex G (NSF/ANSI 61 Annex G or NSF 61-G):

Dictates that a product has been certified as meeting leachate requirements for all contaminants (metals and non-metals), as well as the new lead-free requirements of NSF-372.

Resources

Use of the Gold Seal (Note - Click on download the Gold Seal Logo Policy): www.wqa.org/sitelogic.cfm?ID=1171

Certified Products Directory: www.wqa.org/goldseal/goldsealSearch.cfm