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

Lead Free Requirement

The *Reduction of Lead in Drinking Water Act* went into effect on January 4, 2014. The Act has reduced the lead content allowed in water system and plumbing products by changing the definition of lead free in Section 1417 of the Safe Drinking Water Act (SDWA) from not more than 8% lead content, to not more than a weighted average of 0.25% lead with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and plumbing fixtures.

The SDWA prohibits the use of these products in the installation or repair of any public water system or facility providing water for human consumption if they do not meet the lead free requirement. It also makes it unlawful to introduce them into commerce. This includes stocked inventories and coated or uncoated brass or bronze products. There are some exemptions to the prohibitions— for more information on the exemptions, see "EPA's Summary of the Reduction of Lead in Drinking Water Act and Frequently Asked Questions" at *http://water.epa.gov/drink/info/lead/upload/epa815s13003.pdf*

Plumbing product with engraved certification mark

Is lead free certification required for products?

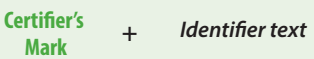
As of March 2015, there is no mandatory federal requirement for lead free product testing or third-party certification under the Safe Drinking Water Act (SDWA).* However, consumers can increase their level of confidence by purchasing products that have been certified as meeting the lead free requirement of the SDWA. If a product has not been certified, it may still meet the lead free requirement—in this case, contacting the manufacturer would be the best way to confirm the lead content.

**There may be additional state or local laws pertaining to the allowed lead content of pipes, pipe fittings, and plumbing fittings and fixtures, some of which require product certification or testing.*

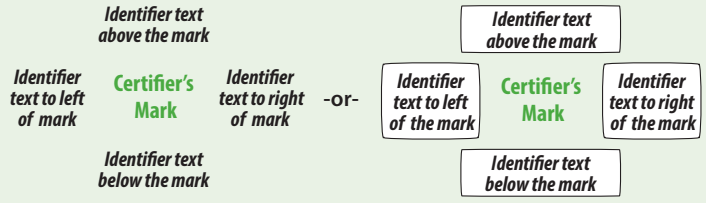
How do I know if a product has been certified as lead free?

In the United States, there are eight American National Standards Institute (ANSI) accredited third-party certification bodies that provide product certification to the SDWA lead free requirement for manufacturers of drinking water system and plumbing products (see Table on Page 2 for list of certification bodies). Each of these 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 lead free requirement.

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, lead free certification identifier text will be included next to the mark:

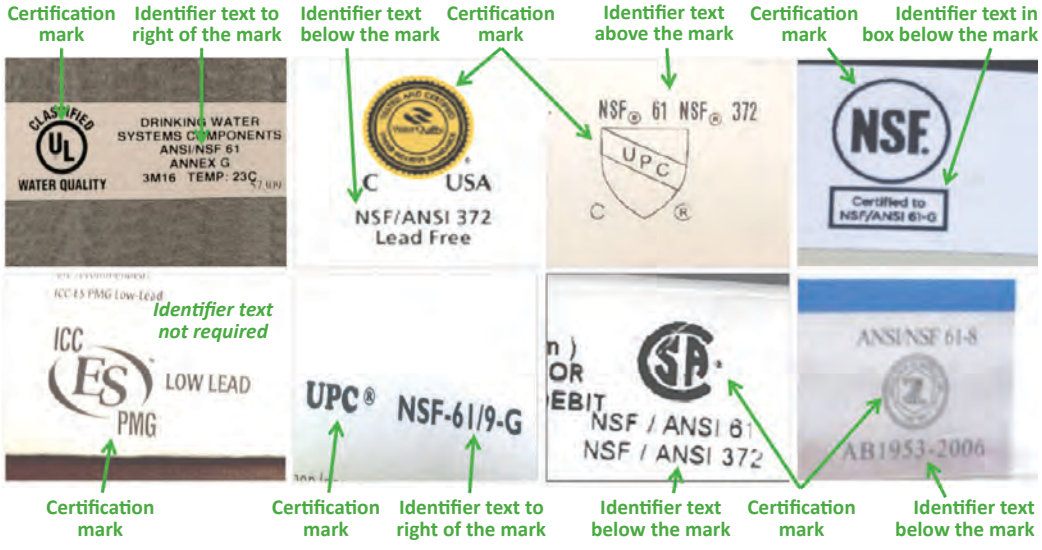


2. If required, the lead free certification identifier text will be in one location near the certifier mark as free text or text enclosed in a box:



What do the lead free certification marks look like?

Certification mark requirements for each of the certification bodies are detailed in the **Table on Page 2**, and can also be found for each certification body individually on **Pages A1–A8**. An example of an engraved certification mark is shown to the left; examples of marks and identifier text as found on product packaging are shown below.



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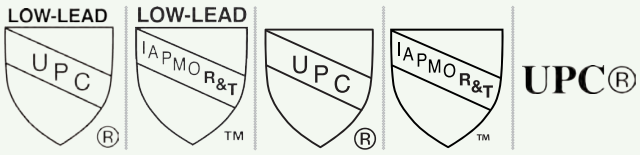
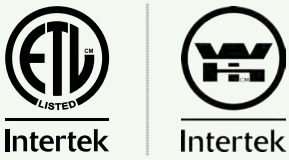
Certification Marks for

ANSI Accredited Third-Party Certification Bodies

The table below provides the ANSI Accredited third-party certification bodies' approved certification marks and required identifier text, as well as any additional remarks, that indicate a pipe, pipe fitting, plumbing fitting, or plumbing fixture meets the lead free requirement of Section 1417 of the Safe Drinking Water Act.

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

Certification Body	Certification Mark(s)	Required Identifier Text & Remarks
CSA Group		**Required Identifier Text:** Text indicating certification to at least one of the lead free certification identifiers (listed below the table) must accompany the marks. **Remarks:** Based on the intended product market, the marks may be accompanied by a "C" & "US" or just a "US".
IAPMO R&T, Inc.		**Required Identifier Text:** Text indicating certification to at least one of the lead free certification identifiers (listed below the table) or the term "Low-Lead" must accompany the marks. **Remarks:** Based on the intended product market, the marks may be accompanied by a "C".
ICC-ES		**Required Identifier Text:** Identifier text is not required. **Remarks:** Text indicating certification to a lead free certification identifier (listed below the table) may be included next to the mark, but is not required.
Intertek		**Required Identifier Text:** Text indicating certification to at least one of the lead free certification identifiers (listed below the table) must accompany the marks. **Remarks: (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.
NSF International		**Required Identifier Text:** Text indicating certification to an NSF/ANSI Standard (listed below the table) must accompany the circular certification marks. **Remarks: (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)** Standard 61 circular and text marks may alternately include **61/9-G**.
Truesdail		**Required Identifier Text:** Text indicating certification to at least one of the lead free certification identifiers (listed below the table) must accompany the mark. **Remarks:** Mark can be white or blue.
UL		**Required Identifier Text:** Text indicating certification to an NSF/ANSI Standard (listed below the table) must accompany all the marks. **Remarks: (1)** Based on the intended product market, the marks may be accompanied by a "C", "CA", "US", "C" & US", or "CA" & "US". **(2)** The File No. is a unique identification for a product used to search the UL online certification directory.
WQA		**Required Identifier Text:** Text indicating certification to an NSF/ANSI Standard (listed below the table) must accompany the circular marks. **Remarks: (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".

Lead Free Certification Identifier Text (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 ≤0.25% when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and plumbing 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 contaminants (metals and non-metals), as well as the 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 ≤0.25% when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and plumbing fixtures.

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Resources and Contacts

EPA's Lead in Drinking Water Website
http://water.epa.gov/drink/info/lead/index.cfm

EPA Resources

Current Federal Law

Section 1417 of the Safe Drinking Water Act: 42 U.S.C. Section 300g-6:
http://water.epa.gov/lawsregs/rulesregs/sdwa/index.cfm

Additional Resource

EPA's Summary of the Reduction of Lead In Drinking Water Act and Frequently Asked Questions:
http://water.epa.gov/drink/info/lead/upload/epa815s13003.pdf

ANSI Accredited Third-Party Certification Bodies

CSA Group

Low Lead Requirements: *http://www.csagroup.org/us/en/industries/plumbing/low-lead-requirements*
Certification Marks: *http://www.csagroup.org/us/en/about-csa-group/certification-marks-labels*
Certified Product Listings: *http://www.csagroup.org/us/en/services/testing-and-certification/certified-product-listing*

IAPMO R&T, Inc.

Marks of Conformity: *http://www.iapmort.org/Pages/MarksofConformity.aspx*
Product Listing Directory: *http://pld.iapmo.org/default.asp*

ICC-ES

PMG Listing Mark: *http://www.icc-es-pmg.org/Mark/*
PMG Listing Directory: *http://www.icc-es-pmg.org/Listing_Directory/*

Intertek

Certifications & Marks: *http://www.intertek.com/product-certifications/marks/*
Listed Product Directory: *https://whdirectory.intertek.com/Pages/DLP_Search.aspx*

NSF International

Lead Content Compliance (includes marks): *http://www.nsf.org/info/lowlead*
Lead Content Certified Products Database: *http://info.nsf.org/Certified/Lead_Content/*

Truesdail

Mark and Product Listing: *http://www.truesdail.com/specialty_testing/plumbing.html*

UL

UL IQ for Certified Water Products: *http://iq.ul.com/water/*
Certification Marks and UL Badges: *http://ul.com/corporate/marks/*
Online Certifications Directory: *http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.html*

WQA

Use of the Gold Seal: *http://www.wqa.org/Portals/0/Product%20Certification/Gold_Seal_Usage_Policy.pdf*
Certified Products Directory: *http://www.wqa.org/Find-Products*

Questions?

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

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CSA Group Certification Marks

The box below provides the CSA Group's approved certification marks and required identifier text, as well as any additional remarks, that indicate a pipe, pipe fitting, plumbing fitting, or plumbing fixture meets the lead free requirement of Section 1417 of the Safe Drinking Water Act.

Certification Marks

Required Identifier Text: Text indicating certification to at least one of the lead free certification identifiers (listed below this box) must accompany the marks.

Remarks: Based on the intended product market, the marks may be accompanied by a "C" & "US" or just a "US".

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

Lead Free Certification Identifier Text

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 ≤0.25% when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and plumbing 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 ≤0.25% when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and plumbing fixtures.

Resources

Low Lead Requirements: *http://www.csagroup.org/us/en/industries/plumbing/low-lead-requirements*
Certification Marks: *http://www.csagroup.org/us/en/about-csa-group/certification-marks-labels*
Certified Product Listings: *http://www.csagroup.org/us/en/services/testing-and-certification/certified-product-listing*

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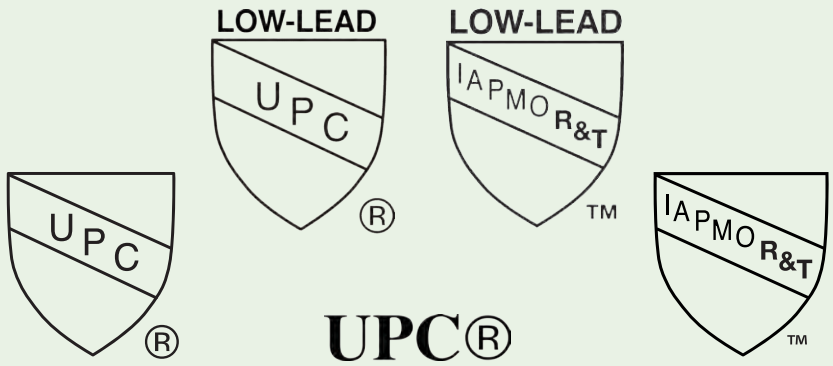
IAPMO R&T, Inc. Certification Marks

The box below provides IAPMO R&T's approved certification marks and required identifier text, as well as any additional remarks, that indicate a pipe, pipe fitting, plumbing fitting, or plumbing fixture meets the lead free requirement of Section 1417 of the Safe Drinking Water Act.

Certification Marks



Required Identifier Text: Text indicating certification to at least one of the lead free certification identifiers (listed below this box) or the term "Low Lead" must accompany the marks.

Remarks: Based on the intended product market, the marks may be accompanied by a "C". *("C" = Canada)*

Lead Free Certification Identifier Text

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 ≤0.25% when used with respect to the wetted surfaces. of pipes, pipe fittings, plumbing fittings, and plumbing 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 ≤0.25% when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and plumbing fixtures.

Resources
Marks of Conformity: *http://www.iapmort.org/Pages/MarksofConformity.aspx*
Product Listing Directory: *http://pld.iapmo.org/default.asp*

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ICC-ES Certification Marks

The box below provides ICC-ES's approved certification marks and required identifier text, as well as any additional remarks, that indicate a pipe, pipe fitting, plumbing fitting, or plumbing fixture meets the lead free requirement of Section 1417 of the Safe Drinking Water Act.

Certification Mark

Remarks: Text indicating certification to a lead free certification identifier (listed below this box) may be included next to the mark, but is not required.

Lead Free Certification Identifier Text

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 ≤0.25% when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and plumbing 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 ≤0.25% when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and plumbing fixtures.

Resources
PMG Listing Mark: *http://www.icc-es-pmg.org/Mark/*
PMG Listing Directory: *http://www.icc-es-pmg.org/Listing_Directory/*

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Intertek Certification Marks

The box below provides Intertek's approved certification marks and required identifier text, as well as any additional remarks, that indicate a pipe, pipe fitting, plumbing fitting, or plumbing fixture meets the lead free requirement of Section 1417 of the Safe Drinking Water Act.

Certification Marks

Required Identifier Text: Text indicating certification to at least one of the lead free certification identifiers (listed below this box) must accompany the marks.

Remarks: (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. *("US" = United States; "C" = Canada)*

Lead Free Certification Identifier Text

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 ≤0.25% when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and plumbing 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 ≤0.25% when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and plumbing fixtures.

Resources
Certifications & Marks: *http://www.intertek.com/product-certifications/marks/*
Listed Product Directory: *https://whdirectory.intertek.com/Pages/DLP_Search.aspx*

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NSF International Certification Marks

The box below provides NSF's approved certification marks and required identifier text, as well as any additional remarks, that indicate a pipe, pipe fitting, plumbing fitting, or plumbing fixture meets the lead free requirement of Section 1417 of the Safe Drinking Water Act.

Certification Marks

NSF-61-372
NSF-61-G
NSF-372
NSF pw-G

Required Identifier Text: Text indicating certification to an NSF/ANSI Standard (listed below this box) must accompany the circular marks.

Remarks: (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)** Standard 61 circular and text marks may alternately include "**61/9-G**". *("US" = United States; "C" = Canada)*

Lead Free Certification Identifier Text

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 ≤0.25% when used with respect to the wetted surfaces of pipes, pipe fittings, and plumbing fittings, and plumbing 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").

Resources

Lead Content Compliance (includes marks): *http://www.nsf.org/info/lowlead*
Lead Content Certified Products Database: *http://info.nsf.org/Certified/Lead_Content/*

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Truesdail Certification Mark

The box below provides Truesdail's approved certification mark and required identifier text that indicates a pipe, pipe fitting, plumbing fitting, or plumbing fixture meets the lead free requirement of Section 1417 of the Safe Drinking Water Act.

Certification Mark

Required Identifier Text: Text indicating certification to at least one of the lead free certification identifiers (listed below this box) must accompany the mark.

Lead Free Certification Identifier Text

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 ≤0.25% when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and plumbing 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 ≤0.25% when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and plumbing fixtures.

Resource
Mark and Product Listing: *http://www.truesdail.com/specialty_testing/plumbing.html*

UL Certification Marks

The box below provides UL's approved certification marks and required identifier text, as well as any additional remarks, that indicate a pipe, pipe fitting, plumbing fitting, or plumbing fixture meets the lead free requirement of Section 1417 of the Safe Drinking Water Act.

Certification Marks

UND. LAB. CLASSIFIED

UND. LAB. CLFD

Required Identifier Text: Text indicating certification to an NSF/ANSI Standard (listed below this box) must accompany all the marks.

Remarks: (1) Based on the intended product market, the marks may be accompanied by a "C", "CA", "US", "C" & US", or "CA" & "US". **(2)** 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 Identifier Text

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 ≤0.25% when used with respect to the wetted surfaces of pipes, pipe fittings, and plumbing fittings, and plumbing 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").

Resources

UL IQ for Certified Water Products: *http://iq.ul.com/water/*
Certification Marks and UL Badges: *http://ul.com/corporate/marks/*
Online Certifications Directory: *http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.html*

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WQA Certification Marks

The box below provides WQA's approved certification marks and required identifier text, as well as any additional remarks, that indicate a pipe, pipe fitting, plumbing fitting, or plumbing fixture meets the lead free requirement of Section 1417 of the Safe Drinking Water Act.

Certification Marks

NSF/ANSI 372 by WQA

Required Identifier Text: Text indicating certification to an NSF/ANSI Standard (listed below this box) must accompany the marks.

Remarks: (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".
("USA" = United States of America; "C" = Canada)

Lead Free Certification Identifier Text

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 ≤0.25% when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and plumbing 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").

Resources
Use of the Gold Seal: *http://www.wqa.org/Portals/0/Product%20Certification/Gold_Seal_Usage_Policy.pdf*
Certified Products Directory: *http://www.wqa.org/Find-Products*