

CERTIFICATION Informs

An Urgent Bulletin from CSA Group

Ref No: I18-118

Drinking Water Products No. 51

Existing Certification not affected

Date: October 4, 2018

Apply any time to have your products evaluated

Announcing: Publication of NSF/ANSI 42 - 2017 Drinking Water Treatment Units, NSF/ANSI 44 - 2017 Residential Cation Exchange Water Softeners, NSF/ANSI 53 - 2017 Drinking Water Treatment Units - Health Effects, NSF/ANSI 55 - 2017 Ultraviolet Microbiological Water Treatment Systems, NSF/ANSI 58 - 2017 Reverse Osmosis Drinking Water Treatment Systems, NSF/ANSI 61 - 2017 Drinking Water Treatment System Components - Health Effects, NSF/ANSI 62 - 2017 Drinking Water Distillation Systems

See Attachment 1 for affected Class Numbers.

Who is affected?

Manufacturers of drinking water treatment units, residential cation exchange water softeners, ultraviolet microbiological water treatment systems, reverse osmosis drinking water treatment systems, drinking water system components, and drinking water distillation systems.

What do you do?

1. This publication outlines certification revisions that do not affect your currently certified product designs.
2. Please contact CSA technical staff if you have questions or need information concerning this publication and how it applies to you.
3. If you would like to arrange for an evaluation of new products to the revisions, initiate a certification project by contacting our Client Services Centre at 1-866-797-4272. Please supply appropriate supporting documentation*. If

testing is needed, we will inform you of the samples required.

*which includes technical information, company name, address, factory locations and CSA file number or master contract number (if assigned), and any other relevant documentation.

Introduction:

CSA Group has determined that revisions included in the NSF/ANSI 42 – 2017, NSF/ANSI 44 – 2017, NSF/ANSI 53 -2017, NSF/ANSI 55 – 2017, NSF/ANSI 58 – 2017, NSF/ANSI 61 -2017 and NSF/ANSI 62 – 2017 does not affect the current lists of certified products.

CSA will use the standards mentioned in above paragraph for certifications to classes outlined in Attachment 1.

Major Revisions:

See attachment 2

For questions specific to your file or products contact your CSA Group technical staff associate.

Go to <http://www.csagroup.org/services/testing-and-certification/product-listing/> and enter your Master Contract # and the class numbers associated with this Informs to view your certified products.

For technical questions on this Informs

Contact Amit Lathia
by phone (216) 524-4990 x88148, fax 216-642-3081
or e-mail Amit.Lathia@csagroup.org



Visit us at www.csagroup.org where you can click on "Contact Us" for the online phone listing of our Offices and Partners.

ATTACHMENT 1

Affected Class Numbers

Class No:

- 6811 42, PLUMBING - Drinking Water Treatment Units - Aesthetic Effects - Certified to NSF/ANSI 42
- 6811 53, PLUMBING - Drinking Water Treatment Units - Health Effects-Certified to NSF/ANSI 53
- 6811 55, PLUMBING - DWTU - Ultraviolet Microbiological Water Treatment Systems - Certified to NSF/ANSI 55
- 6811 58, PLUMBING - DWTU - Reverse Osmosis Drinking Water Treatment Systems - Certified to NSF/ANSI 58
- 6811 61, PLUMBING FITTINGS AND ACCESSORIES - Evaluated to ANSI/NSF 61
- 6811 70, PLUMBING - DRINKING WATER TREATMENT SYSTEMS/UNITS COMPONENT- Evaluated to CSA B483, NSF/ANSI 42/44/53/55/58/61/62 or parts
- 6861 04, PIPES AND RELATED PRODUCTS - NSF/ANSI 61 SECTION 4 Certified to NSF/ANSI 61
- 6861 05, BARRIER MATERIALS - NSF/ANSI 61 SECTION 5 Certified to NSF/ANSI 61
- 6861 06, JOINING & SEALING MATERIALS - NSF/ANSI 61 SECTION 6 Certified to NSF/ANSI 61
- 6861 07, PROCESS MEDIA - NSF/ANSI 61 SECTION 7 Certified to NSF/ANSI 61
- 6861 09, MECHANICAL PLUMBING DEVICES-NSF/ANSI 61 Certified to NSF/ANSI 61 SECTION 9

ATTACHMENT 2

Minor/Major Revisions

| Standard | Changes | Type | |
|---|---|--|-------------------------|
| | | Minor Change or does not Affect currently Certified Products | Major Technical Changes |
| NSF/ANSI 42 | Updated the usage pattern specified for non-plumbed pour-through-type batch treatment systems when no manufacturer's recommended use pattern is given | X | |
| | Harmonized the structural integrity requirements in Table 5 of NSF/ANSI 42, NSF/ANSI 44 and NSF/ANSI 53 | X | |
| | Added clarification regarding the maximum number of samples exposed in the Materials evaluation under section 4 | X | |
| | Added criteria for utilizing a treatment train approach for the evaluation of a system containing multiple, sequential treatment technologies | X | |
| | Prohibits the use of chloramine-T as a source compound for chloramine reduction | X | |
| | Added language to state that systems be conditioned using the test water with the specified contaminant for chemical reduction claims under section 7 | X | |
| | Sampling point instructions for squeeze bottles in Annex E were clarified | X | |
| | CAS numbers were added to Table 4.1 (previously Table 1) of the materials evaluation criteria | X | |
| | Table numbering was changed for several tables | X | |
| | Addresses sample collection for systems containing multiple potable water outlets under section 4.2.3 | X | |
| | An alternative use pattern was added to the methods for point of entry devices | X | |
| | An optional iron influent challenge of 10 mg/L was added | X | |
| | A method for exposure of fine media was incorporated | X | |
| | Normative references were updated | X | |
| Evaluation criteria columns from tables 4.1, 4.2, and 4.3 were removed and now reference the evaluation criteria in Annex D, Table D.1 in NSF/ANSI 61 | X | | |
| NSF/ANSI 44 | Addresses tentatively identified compounds (TICs) and unknown compounds that are found during extraction testing under section 4 and | X | |

| Standard | Changes | Type | |
|-------------|---|--|-------------------------|
| | | Minor Change or does not Affect currently Certified Products | Major Technical Changes |
| | clarifies the analytical method(s) to be used to evaluate these compounds with the addition of Annex B | | |
| | Harmonized the structural integrity requirements in Table 5 of NSF/ANSI 42, NSF/ANSI 44 and NSF/ANSI 53 | X | |
| | Added clarification regarding the maximum number of samples exposed in the Materials evaluation under section 4 | X | |
| | Added criteria for utilizing a treatment train approach for the evaluation of a system containing multiple, sequential treatment technologies | X | |
| | CAS numbers were added to Table 4.1 (previously Table 1) of the materials evaluation criteria | X | |
| | Six tables were renumbered | X | |
| | Normative references were updated | X | |
| | Evaluation criteria columns from tables 4.1, 4.2, and 4.3 were removed and now reference the evaluation criteria in Annex D, Table D.1 in NSF/ANSI 61 | X | |
| NSF/ANSI 53 | Updated the usage pattern specified for non-plumbed pour-through-type batch treatment systems when no manufacturer's recommended use pattern is given | X | |
| | Harmonized the structural integrity requirements in Table 5 in NSF/ANSI 42, NSF/ANSI 44 and NSF/ANSI 53 | X | |
| | Added clarification regarding the maximum number of samples exposed in the Materials evaluation under section 4 | X | |
| | Added criteria for utilizing a treatment train approach for the evaluation of a system containing multiple, sequential treatment technologies | X | |
| | Clarified the sampling requirements for the cyst reduction tests under NSF/ANSI 53 and 58 | X | |
| | Added language to state that systems be conditioned using the test water with the specified contaminant for chemical reduction claims under section 7 | X | |
| | CAS numbers were added to Table 4.1 (previously Table 1) of the materials evaluation criteria | X | |
| | Sampling point instructions for squeeze bottles in Annex E were clarified | X | |
| | Tables 1-20 were renumbered | X | |
| | Addresses sample collection for systems containing multiple potable water outlets under 4.2.3. | X | |
| | Normative references were updated | X | |
| | Evaluation criteria columns from tables 4.1, 4.2, and 4.3 were removed and now reference the evaluation criteria in Annex D, Table D.1 in NSF/ANSI 61 | X | |
| | Establishes performance requirements for drinking water treatment systems that are designed to reduce microcystins in public water supplies | X | |
| | Annex J outlines the steps required for preparing TOC solution using tannic acid | X | |
| | Annex K is an informative annex that provides further explanation of the scope and purpose of the microcystins reduction claim | X | |
| NSF/ANSI 55 | Addresses tentatively identified compounds (TICs) and unknown compounds that are found during extraction testing under section 4 and clarifies the analytical method(s) to be used to evaluate these compounds with the addition of Annex C | X | |
| | Language was added under 6.2.3.3 to assist in the calculation to determine the time it takes the volume of water to pass through the reactor and specify the acceptable time for the alarm to be triggered. The number of consecutive times that a sensor must be activated was revised from 100 to 10. Finally, new language was added under 6.1.9 to define the sensor response range | X | |
| | Added clarification regarding the maximum number of samples exposed in the Materials evaluation under section 4 | X | |
| | CAS numbers were added to Table 4.1 (previously Table 1) of the materials evaluation criteria | X | |

| Standard | Changes | Type | |
|-------------|--|--|-------------------------|
| | | Minor Change or does not Affect currently Certified Products | Major Technical Changes |
| | Tables 1-6 were renumbered | X | |
| | Normative references were updated | X | |
| | Evaluation criteria columns from tables 4.1, 4.2, and 4.3 were removed and now reference the evaluation criteria in Annex D, Table D.1 in NSF/ANSI 61 | X | |
| | Eliminate the use of <i>S. cerevisiae</i> as a challenge organism for Class B devices from the Standard after September 2017, a period of five years from the adoption of using T1 Coliphage as a challenge organism for Class B devices | X | |
| NSF/ANSI 58 | addresses tentatively identified compounds (TICs) and unknown compounds that are found during extraction testing under section 4 and clarifies the analytical method(s) to be used to evaluate these compounds under Annex C | X | |
| | Individual sample point limits for the chloroform surrogate test for VOC reduction was added under section 7. This issue also specifies methanol as the acceptable solvent for organic chemical and VOC reduction testing | X | |
| | Addresses premature clogging of filters during testing under section 7 and clarifies what is and is not allowed with regards to pre-filtering the challenge water of products if requested by the manufacturer. Annex D specifies acceptable procedures that may be used | X | |
| | added clarification regarding the maximum number of samples exposed in the Materials evaluation under Section 4 | X | |
| | added the option for a higher influent challenge concentration for nitrate | X | |
| | added criteria for utilizing a treatment train approach for the evaluation of a system containing multiple, sequential treatment technologies | X | |
| | replaced the term "warning device" with "performance indication device" to harmonize NSF/ANSI 53 and 58 and add a reference to NSF/ANSI 53 for the performance indication device requirements for VOC reduction claims based on the performance of an activated carbon post-filter | X | |
| | Clarified the sampling requirements for the cyst reduction tests under NSF/ANSI 53 and 58. | X | |
| | The nitrate claims under section 8 were revised to the actual test pressure used | X | |
| | CAS numbers were added to Table 4.1 (previously Table 1) of the materials evaluation criteria | X | |
| | added language to state that systems be conditioned using the test water with the specified contaminant for chemical reduction claims under section 7 | X | |
| | Renumbered tables 1-12 | X | |
| | Sampling procedures for the evaluations of the minimum performance and elective performance claims were revised to ensure consistency among labs | X | |
| | Normative references were updated | X | |
| | Evaluation criteria columns from tables 4.1, 4.2, and 4.3 were removed and now reference the evaluation criteria in Annex D, Table D.1 in NSF/ANSI 61 | X | |
| NSF/ANSI 61 | Exposure and normalization criteria specific to concrete aggregate was added under section 5 and concrete aggregate was added to the material-specific analyses requirements under Table 3.1 | X | |
| | Informative Annex H: Water quality criteria considerations for piping materials in contact with drinking water was added | X | |
| | Language regarding tank covers was incorporated in section 5.7.1.1 | X | |
| | This revision updated allowable volumes of test assemblies, as well as updated terminology on control samples | X | |
| | Lead content requirements were updated in section 3.6. | X | |
| | Updates were made to several pass/fail values in Annex D - Drinking Water Criteria | X | |

| Standard | Changes | Type | |
|-------------|---|--|-------------------------|
| | | Minor Change or does not Affect currently Certified Products | Major Technical Changes |
| NSF/ANSI 62 | Removed the definitions from this Standard and added language under section 2 to address undated normative references | X | |
| | Removed the electrical safety and operation requirement that was inadvertently left in NSF/ANSI 42, 44, 55 and 62 | X | |
| | Added clarification regarding the maximum number of samples exposed in the Materials evaluation under section 4 | X | |
| | Added criteria for utilizing a treatment train approach for the evaluation of a system containing multiple, sequential treatment technologies | X | |
| | The total maximum effluent requirement for chromium (hexavalent and trivalent) under Table 7.1 (previously Table 8) was revised to be consistent with the requirements of the other Drinking Water Treatment Unit standards | X | |
| | CAS numbers were added to Table 4.1 (previously Table 1) of the materials evaluation criteria | X | |
| | Added language to state that systems be conditioned using the test water with the specified contaminant for chemical reduction claims under section 7 | X | |
| | Renumbered table 1 - 12 | X | |
| | Normative references were updated | X | |
| | The component burst pressure test was removed from section 5 | X | |
| | Evaluation criteria columns from tables 4.1, 4.2, and 4.3 were removed and now reference the evaluation criteria in Annex D, Table D.1 in NSF/ANSI 61 | X | |