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Joint Committee on Drinking Water Additives – System Components

8/15/2025

Proposed revision to NSF/ANSI/CAN 61 – Drinking Water System Components – Temperature (61i199r1)

Revision 1 of NSF/ANSI/CAN 61, issue 199 is being forwarded to the Joint Committee for consideration. Please review the proposal and **submit your ballot by September 8, 2025** via the NSF Online Workspace.

Please review all ballot materials. When adding comments, please include the section number applicable to your comment and add all comments under one comment number whenever possible. If you need additional space, please use the attached blank comment template in the reference documents and upload online via the browse function.

Purpose

The proposed revision includes additions to Section 1.3 Normative References, the addition of definition 2.67 for organotin, and updated references within the standard.

Background

The DWA-SC Tin Extraction Task Group was formed to consider using an alternate test method to distinguish between inorganic and organic tin compounds. The task group has reviewed data analysis from multiple sources to propose the changes included in this ballot.

If you have any questions about the technical content of the ballot, you may contact me in care of:

France Lemieux, Chair
Joint Committee on Drinking Water Additives – System Components
c/o Amy Jump, Joint Committee Secretariat
T (313) 426-4918
E ajump@nsf.org@nsf.org

[Note – the recommended changes to the standard which include the current text of the relevant section(s) indicate deletions by use of ~~strikeout~~ and additions by grey highlighting. Rationale Statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI/CAN Standard for Drinking Water Additives –

Drinking Water System Components – Health Effects

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1.3 Normative references

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Agilent Application Note 5991-4434EN: *Determination of 17 Organotin Compounds in Beverages Using Triple Quadrupole GC-MS/MS System*

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Thermo Fisher Scientific Application Note 52099: *The Determination of Organotins in Water Using Triple Quadrupole GC-MS/MS*

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2 Definitions

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2.67 organotin: An Oranometallic chemical compound containing at least one tin-carbon bond.

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N-1.7 Analysis methods

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N-1.1.1 Metals analysis

Analyses for metals shall be performed, except as otherwise provided for herein, in accordance with currently accepted U.S. Environmental Protection Agency (U.S. EPA) Methods (see 40 C.F.R. Part 141[Error! Bookmark not defined.] and U.S. EPA 600/4-79-020,[Error! Bookmark not defined.] *Methods for Chemical Analysis of Water and Wastes*). When no U.S. EPA Method is provided, analyses shall be performed in accordance with *Standard Methods for the Examination of Water and Wastewater*[Error! Bookmark not defined.] (most current edition). If neither of these two documents addresses the required parameters and matrix, or if an alternate method is desired, method validation shall be completed prior to the application of the method (see Section ~~**Error! Reference source not found.**~~ 2.59).

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N-1.7.4.1 General requirements for analysis of organics

Analyses for organics shall be performed, except as otherwise provided for herein, in accordance with currently accepted U.S. EPA Methods (see 40 C.F.R. Part 141[Error! Bookmark not defined.] and U.S. EPA 600/4-79-020,[Error! Bookmark not defined.] *Methods for Chemical Analysis of Water and Wastes*). When no U.S. EPA Method is provided, analyses shall be performed in accordance with *Standard Methods for the Examination of Water and Wastewater*[Error! Bookmark not defined.] (most current edition). Organotin analysis shall be performed in accordance with either Thermo Fisher Scientific application note 52099 or Agilent application note 5991-4434EN. If ~~neither~~ none of these ~~two~~ documents addresses the required parameters and matrix, or if an alternate method is desired, method validation shall be completed prior to the application of the method (see Section ~~**Error! Reference source not found.**~~ 2.59).

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