



**Summary of Substantive Changes
between the 2018, 2019 and the 2020 editions of
NSF/ANSI 58 “Reverse Osmosis Drinking Water Treatment Systems”**

Presented to the IAPMO Standards Review Committee on March 8, 2021

General: The changes to this standard may have an impact on currently listed products. The substantive changes are:

- Removed language that allows for 10% of samples to not meet the effluent requirement under the contaminant reduction protocols (see Sections 7.1.2, and 7.1.3)
- Revised requirements for lead reduction from 10 µg/L to 5 µg/L (see Table 7.10)

Section 7, Elective performance claims – Test methods: Removed language that allows for 10% of samples to not meet the effluent requirement under the contaminant reduction protocols as follows:

7.1.2 Inorganic chemical reduction claims

Claims for inorganic chemical reduction may be made for the specific contaminants shown in Table 7.2. To qualify for a specific contaminant reduction claim, the system shall reduce the level of the contaminant from the influent challenge level so that ~~the arithmetic mean of~~ all product water sample results ~~and 90% of the the individual product water samples is~~ are less than or equal to the maximum allowable product water concentration in Table 7.2 when tested in accordance with Section 7.1.2.

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7.1.3 Nitrate / nitrite reduction claims

Claims for nitrate / nitrite reduction shall be tested at a system pressure applicable to the intended end use in accordance with Section 7.1.3. To qualify for a nitrate / nitrite reduction claim, the system shall reduce the level of the contaminant from the influent challenge level so that all product water sample results ~~and 90% of the the individual product water samples is~~ are less than or equal to the maximum allowable product water concentration in Table 7.3.

Table 7.10, Lead reduction requirements and Table 8.1, Performance data sheet reduction claims: These tables were revised to change the current pass/fail criteria for lead reduction from 10 µg/L to 5 µg/L to reflect current proposals at the state, federal, and international levels.