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Joint Committee on Drinking Water Additives – System Components

June 5, 2025

**Proposed revision to NSF/ANSI/CAN 61 – Drinking Water System Components – Health Effects (61i197r1)**

Revision 1 of NSF/ANSI/CAN 61, issue 197 is being forwarded to the Joint Committee for consideration. Please review the proposal and **submit your ballot by June 26, 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 will add language to Section 3.1.6.1 for the testing of individual alternate components to be required supplemental to finished product testing and also clarifies that products with a filled weight may be evaluated using material samples.

## Background

When complex multi-component products are submitted for evaluation to the standard, there are often cases where, in addition to a test of the complete device, additional alternate materials require testing (e.g. alternate o-ring or gasket materials). In these cases, testing of the alternate material as a component would be more economical for the product manufacturer and easy to perform for testing laboratories, without sacrificing any degree of rigor in the test.

Under this proposed update, testing of the finished product would still be required for at least one sample, but subsequent, supplemental samples for the purposes of evaluating alternate individual materials would be allowed.

Additionally proposed is a clarification to the third bullet point in Section 3.1.6.1 to specify that products with a filled weight (i.e. the weight of the sample when filled with exposure water) exceeding 34 kg/75 lbs may be evaluated using material samples.

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

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[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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### 3.1.6 Samples

Samples shall consist of the entire finished product device, a portion(s) / component(s) of the finished product, or a specimen of the material(s). The manufacturer shall have the option to request that the samples represent a product line of varying sizes, as described in Section 3.1.5 and~~/or~~ the relevant section of the standard to which the product is being evaluated. When it is necessary to calculate normalization factor(s), the wetted exposed surface area of the sample shall be calculated and recorded prior to testing.

#### 3.1.6.1 Finished products

When a finished product (e.g., pipe, fitting, component, or device) is proposed for evaluation, a sample of the finished product shall be used for testing except in the following specific instances:

— concrete cylinders, cubes, or other concrete surrogate samples may be evaluated on behalf of concrete lined pipes and other concrete-based products;

— coatings, applied to the appropriate substrate, may be evaluated on behalf of products whose entire water contact surface is covered by the coating; or

— finished products shall be permitted to be evaluated using material samples if a finished product evaluation is impractical for one or more of the following reasons:

- an internal volume > 20 L (5.3 gal);
- a filled weight > 34 kg (75 lb); ~~or~~
- *in situ* manufacture of the finished product; or
- testing of individual alternate components is required supplemental to finished product testing.

Material samples shall be permitted to be evaluated on behalf of a finished product if no chemical or physical difference exists between the material sample and the material as represented in the finished product. All material samples shall be produced using the same manufacturing processes as the finished product.

3.1.6.2 Materials

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