

NSF/ANSI 42–2007a

Drinking water treatment units – Aesthetic effects

NSF International Standard/
American National Standard

NSF/ANSI 42–2007a



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American National Standard
for Drinking Water Treatment Units –

**Drinking water treatment units –
Aesthetic effects**

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Foreword²

The purpose of this Standard is to establish minimum requirements for materials, design, construction, and performance of drinking water treatment units that are designed to reduce specific aesthetic-related contaminants in public or private water supplies. This Standard specifies the minimum product literature and labeling information that a manufacturer must supply to authorized representatives and system owners. Lastly, the Standard provides minimum service-related obligations that the manufacturer must extend to system owners.

This edition of the Standard contains the following revisions:

Issue 60

The revision made in this issue recommends not testing for Class III along with Classes I and II during nominal particulate reduction testing, and testing Class III using only ISO coarse test dust, changing the flow reduction from 75% to 50%. The revision also clarifies the language in 7.4.8.1 for sampling.

Issue 61

The revision made in this issue lowers the maximum contaminant concentration (MCC) for lead for material extraction testing from 0.015 mg/L to 0.010 mg/L in Table 1.

Issue 62

The revision made in this issue clarifies the formulation review requirements and provides consistency between the Drinking Water Treatment Unit Standards and NSF/ANSI 60 and NSF/ANSI 61. These modifications included:

4 Materials

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4.1.1 Complete formulation information on any material not certified as specifically compliant with the sections of the U. S. Code of Federal Regulations, Title 21, listed in table 3, shall be reviewed to determine whether the material presents a health effects concern in contact with drinking water and to assess the material's potential for contributing contaminants to the drinking water. As a minimum level of information for those materials requiring submission of formulation information, the complete chemical identity and proportion by weight (in some cases approximate weights or proportions may suffice) and ingredient sources of supply shall be provided.

The following additional information is required when available:

- a list of the known or suspected impurities within the product or material and the maximum percent or parts by weight of each impurity;
- the water solubility, hydrolysis products, and extraction rates of chemicals within the product or material; and
- a list of toxicological studies relevant to the chemicals and impurities present in the product,

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